



Faculty of Arts & Science

2019-2020 Calendar

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About the Calendar

How to Use the Calendar

The Academic Calendar is a Faculty of Arts & Science document that houses the most current information on the degrees, programs, and courses offered, as well as rules and regulations. The Academic Calendar is published once a year in late April, with updates from then on only for urgent unexpected changes or corrections.

Much of the information in the Calendar will be reflected elsewhere: for example, course descriptions can also be found on the [Faculty Timetable](#), and a breakdown of completion of programs of study – and the degree – can be found on [Degree Explorer](#).

The information in the Academic Calendar is broken up into sections, and programs and courses are organized in pages dedicated to the various programs of study or by the academic units that offer programs and courses. The Academic Calendar can be browsed using the [Course Search](#) and [Program Search](#) pages, or read as a kind of “book” by using the [Adobe PDF version](#).

Terminology

Throughout the sections of the Calendar that deal with rules and concepts, definitions will be offered to clarify what specific terms mean in the context of study here at the Faculty of Arts & Science.

Conventions

Certain conventions are useful in reading parts of the Calendar that deal with requirements, whether for courses (prerequisites, corequisites, recommended preparation) or programs.

- Commas (,) and semi-colons (;) indicate items in a list. Context indicates whether the list is of options a student can pick from, or whether it a list of courses where a student is expected to take all of them. If not stated specifically, assume the list indicates that a student must take all options.
- The plus sign (+) means “and” but may be used as a strong “and” to indicate courses that are paired to be a single option or requirement.
- A forward slash (/) means “or” and distinguishes multiple options to fulfil a specific requirement.
- Parentheses () or brackets [] identify courses that are grouped together to form a specific option or requirement.

Example 1: Cell and Systems Biology – First Year Requirements

- First Year: BIO120H1, BIO130H1; (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/ CHM151Y1; JMB170Y1/(MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1/(PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

This text explains that there is a series of course requirements needed for first year, but within these there are options. Going from the beginning, this means:

- BIO120H1 and BIO130H1 are both required.
- There is a Chemistry (CHM) requirement, which is filled either by:
 - CHM135H1 and CHM136H1; or
 - CHM138H1 and CHM139H1; or
 - CHM151Y1.
- There is also a Math or Physics requirement, filled either by:
 - JMB170Y1; or
 - MAT135H1 and MAT136H1; or
 - MAT137Y1; or
 - MAT157Y1; or
 - PHY131H1 and PHY132H1; or
 - PHY151H1 and PHY152H1.

When Questions Arise

These style conventions help the academic units offering programs try to list the options in a concise way. For any clarification, reach out to the Department or academic unit directly, a College Registrar’s Office, or the Faculty directly at ask.artsci@utoronto.ca.

About Courses

While it is almost self-explanatory, a course is an academic activity that lets a student obtain a result which is recorded on the academic history – and if passed, normally gives academic credit towards completing a degree and may help complete a program of study. There are “full” (Y) and “half” (H) courses each with a different credit weight.

Elements of a Course Description

Below are the fields in the course description template. Links to existing courses as examples are included to help show how the template works.

Course Code

This is the unique identifier of every course, used not only here in the Academic Calendar but used by the information systems like ACORN and Degree Explorer, ensuring that any action taken involving a course – from a student enrolling in it to an instructor submitting final marks – is done correctly.

The course code breaks down further into these sections:

Element	Examples	Explanation
Course Code	CIN105Y1, PPG301H1	
Course Designator	CIN, PPG	This three-letter designator identifies the program offering the course. In these examples, CIN and PPG refer to these two programs: Cinema Studies; and Public Policy & Governance.
Course Number	105, 301	Every course in a program has its own identifying digits. For-credit courses run from “100-level” (starting with a 1) all the way to “400-level” (starting with a 4), and as they go up, broadly the indicate more advanced or more focused study. The “level” does not restrict student access. For example, a third-year student could take 100- to 400-level courses, but a first-year student should be careful taking 200- or high-level courses.
Course Weight	Y (1.0), H (0.5)	This is only one of two letters, either a “Y” or an “H”: a “Y” indicates the course is a “full course” and is worth 1.0 credit; an “H” indicates a “half course” and is worth 0.5 credits.
Campus Indicator	1	This digit indicates the campus where the course is offered. In the Arts & Science Academic Calendar, normally a course has a “1” (one), indicating the downtown St. George Campus. Other indicators include a “0” (zero) meaning it is taught off-campus, a “3” (three) meaning it is taught at U of T Scarborough, or “5” (five) meaning it is taught at U of T Mississauga.

Course Title

Indicates the topic and theme of the course. Some courses may have a general title of a “topics course” in the Academic Calendar but the actual course content varies year by year; in such a case, seek out the department or program’s website, or the Timetable offerings, to learn more about what will be offered. Course titles, when they appear on the transcript, are abbreviated.

Types of Instruction (Lecture/Tutorial/Practical/Seminar Hours (L/T/P/S))

All courses comprise a certain number of hours dedicated to instruction, and there are four types. Often courses may have more than one.

- **Lectures** are standard in almost every course as the fundamental type of instruction, where the instructor will present course content to students. All instructors have individual styles and approaches to lectures. For example, some instructors may take questions differently or present slides/visual aids differently.
- **Practicals** involve students being able to learn and apply their learning hands-on, for example, laboratories (“labs”) for science courses. If a course has practicals then it always has either lectures or seminars (see below).
- **Tutorials** are smaller group meetings where students can discuss and ask questions about lecture material with either the instructor or (more often) a TA (tutorial assistant). Tutorials may also be used for some kinds of evaluation, like small quizzes or to be assessed on a student’s participation in the course. Like practicals, tutorials always are part of a course that has either lectures or seminars (see below).
- **Seminars** are a small-class experience, common for very advanced courses, where the in-class process is a combination of some lecturing mixed with structured class discussion and often student presentations.

In brackets after the title, the number of hours that students will spend in lecture (L), in tutorial (T), in practical sessions (P), or seminar (S) for the course are listed. These are most often a multiple of 12, as the term is 12 weeks in length.

Calendar Description

This paragraph highlights the course content and themes to be delivered in the course. Anything special about the course, from special aspects of the class experience (for example, language of study or field work), to the intended audience of the course (for example, a science course intended for non-science students as an elective), to any special ancillary fees (for example, lab material) are also listed here.

Prerequisites, Co-requisites, Recommended Preparation

These fields indicate other courses which a student either has to have completed before taking the course in question (prerequisites), sometimes with a minimum grade; courses a student should be taking at the same time as this course (co-requisites), though they can also have completed it before; or courses they are advised to take (recommended preparation). The academic units that offer a course can remove students who do not have needed prerequisites or corequisites at any time, though they usually try to do so near the beginning of the course to allow students to try and quickly add something else. Still, students are responsible for reviewing this information for their course planning.

Exclusions

Some courses overlap in content. This can be because the same kind of material may be offered in the context of different areas of study (like introductory statistics), or because there may be certain similar course material that is offered at different levels of difficulty, or because some courses have content that used to be offered in an older and now “retired” course. When reading a course description, if a student sees a course listed under “exclusions” that includes a course they already have credit for, they should not normally take this course. Departments or program offices can remove students who have course exclusions, and even if they choose not to, the new course will not count for degree credit and will be marked “Extra”.

Breadth Requirement

Almost all courses are categorized in terms of one of the five breadth requirement categories:

- 1 (Creative and Cultural Representations)
- 2 (Thought, Belief, Behaviour)
- 3 (Society and Its Institutions)
- 4 (Living Things and Their Environment)
- 5 (Physical and Mathematical Universes)

Half-courses offer 0.5 credits towards only one of the categories; full-courses offer either 0.5 credits in two different categories, or 1.0 credit in one.

Distribution Requirements (old)

Courses still list what is called the “distribution requirement” which normally categorizes a course as either Science, Social Science, Humanities, or a combination thereof. (In rare cases, there may be no category assigned.) This is only of interest to students who started their degree before September 2010.

About Programs of Study

All degrees awarded by the Faculty of Arts & Science require and are defined by the program(s) of study a student completes as a degree requirement. These programs identify the subject area(s) the student has pursued and completed. A program of study is a sequence of courses in certain areas, normally with some choice of options within the sequence.

Elements of a Program Description

Programs of study can be searched directly using the [Program Search](#). Programs of study usually fall under a page dedicated to the department or academic unit that sponsors the program, but sometimes on their own page if they are very distinct from the usual programs that unit offers. Usually the program information is divided up this way:

- **Description** (optional) – A small bit of text to indicate what is notable about this program and why a student might select it as part of their academic or professional plans.
- **Enrolment requirements** – This describes what requirements, if any, a student must meet to enter the program. A program can be entered only if a student has obtained 4.0 credits or is on track to doing so before the start of the next September.
- **Completion requirements** – This lays out – often year by year – the courses a student must complete to complete the program itself. This information is translated for use in [Degree Explorer](#) tool to help a student track their progress and plan future courses.
- **Notes** (optional) – If either the enrolment requirements or the completion requirements need some clarification, there may be special notes inserted in either area.

- **Course Groups** (program dependent) – Many programs, especially programs that can recognize a selection from a number courses from many other departments to fulfil program requirements, will list courses grouped by category.

Specialist, Major, and Minor Programs of Study

Programs offered by the Faculty that may be used to complete a degree can have the status of a Specialist, Major, or Minor.

- **Specialist** programs (from 10.0 to 14.0 credits to complete) offer the deepest and most extensive study of the subject matter in question, and almost always represents the key area of degree studies.
- **Major** programs (from 6.0 to 8.0 credits to complete) offer a comprehensive study of the subject matter, and may be the primary area of degree studies, complemented with another Major or some Minor programs.
- **Minor** programs (4.0 credits to complete) offer a fundamental study of the subject matter and complement degree studies where a Major or a Specialist is also being pursued.

For more information on what combination of programs of study ensure completion of a degree, and the allowable combinations of programs of study, refer to the [HBA/HBSc](#) or [BCom](#) Degree Requirements.

Streams

Both Specialist and Major programs of study may be categorized by different streams, and each stream represents a way to complete a specialist or major with a special emphasis within the area of study. Often the difference between a stream and other streams in the same area of study, or between a stream and the general Specialist or Major, shows itself in upper-year courses, while the courses usually taken in first or second year are similar across all the streams. Streams are presented in the Academic Calendar like a distinct program of study.

Focuses

When focuses exist in an area of study, they are normally taken in conjunction with a Specialist or Major, and they allow a student to select, among the course choices they have, a special cluster of course options that all contribute to deeper study of a particular theme, topic, or sub-discipline within the area of study. Focuses are normally not mandatory and are there to enhance how a student plans the completion of their programs, but if completed, a focus will show on a student's transcript.

Certificates

The University has three categories of "certificates", but the Arts & Science Academic Calendar only includes those that may be applied for and completed using undergraduate courses while pursuing a degree. The intent of certificates is to allow students to study a cluster of courses related in topic or which otherwise connect with one another in a way that normally uses both courses within their programs and outside their programs. It is important to note that while the word "certificate" is used, in this context it refers to a very small sequence of courses (fewer courses than a Minor) with an area of study; these certificates do not offer any kind of professional certification.

Language Citation

This is a special recognition available at the Faculty of Arts & Science that shows advanced study of a language. The Language Citation will consist of a notation on the transcript that reads: "Completed Requirements of Language Citation in [name of language]." This notation will appear in the Faculty of Arts & Science sessional segment of the student's academic record on the transcript listing the courses and marks for the session in which the Citation is assessed as complete. Note that Language Citation is not a program, and will not contribute toward the program(s) required to complete the degree.

The list below identifies the academic units that offer a Language Citation. For details, including the languages in which students may achieve a Citation, see the relevant entries in this Calendar.

- Indigenous Studies
- Classics
- East Asian Studies
- French
- Germanic Languages & Literatures
- Italian Studies
- Near & Middle Eastern Civilizations
- Portuguese
- Slavic Languages & Literatures
- Spanish

How the Calendar Changes

The Academic Calendar, at its core, is the official record of the curriculum of the Faculty as approved by the Faculty: all the courses, programs, and degrees offered, and policies and rules around academic life. This information serves other student websites and resources, including the [Timetable and Degree Explorer](#).

The Academic Calendar is published every twelve months, and includes any changes were approved in the previous twelve months. Changes can be small, like a change to a course title or description, but can also include new courses, changes to program requirements, and even new programs or retired programs. All approved changes will have gone through planning, consultation, and official approval before being published.

When does the information in the Academic Calendar come into effect?

As of April 2019, when a new Academic Calendar is published in April, all the information normally comes into effect in the September after publication. This means students can rely on any Academic Calendar's information lasting from September through to the end of the following August.

For example: the information in 2019–2020 Academic Calendar comes into effect September 2019. Students already following the 2018–2019 Academic Calendar continue to do so through the Summer of 2019 but can use the new Calendar to begin planning their courses for Fall/Winter (2019–20) course enrolment and for program enrolment in the Spring of 2020.

Specifically, when it comes to any new information regarding courses, programs of study, or degrees offered, this means:

- Any new courses or changes to courses in a new Calendar do not take effect until September, so courses in the Summer are from the previous Calendar and follow those rules. As an example: the changes to courses or new courses in the 2019–2020 Academic Calendar do not start until September 2019, in the 2019–2020 Fall/Winter session.
- Changes to programs of study – either to rules on how to enrol in the program or to complete the program – take effect the following Summer. So any changes in the 2019–2020 Academic Calendar apply to students who enroll in the Spring/Summer of 2020 (allowing the 2019–2020 Fall/Winter session to prepare and plan).
- Changes to degree requirements take effect for students entering the Faculty in September. So students who start their studies in September 2019 follow the rules for their degree requirements in the 2019–2020 Academic Calendar.

This applies not only to changes to the curriculum – to degrees, programs of study, and courses – but also to rules and policies.

Exceptions

There are three different situations where new information in a new Calendar may come into effect right away or as of the start of the Summer academic session (i.e., starting May).

- Changes to Ancillary Fees – Some courses may charge a special fee to students in the course to offset the cost of specific course materials (for example, lab coats for certain science courses with laboratory work). Fees operate on a different cycle and, if they are changed, this takes effect starting in summer courses. So be sure to note, when using any Academic Calendar, that ancillary fees listed can change in the Summer at the end of that Calendar's cycle.
- Special or urgent changes to courses/programs/degrees – if for any reason there is a change to course/programs that are urgently needed, or which are shown to only benefit students if they come into effect right away, these can take effect as of the Summer Session when the new Calendar is published. If this is true, the Academic Calendar will be annotated to make special note.
- Changes that affect prospective students in high school – Students planning to attend the University of Toronto and the Faculty of Arts & Science are expected to follow the Academic Calendar published ahead of their first classes in September. But if any change in the Academic Calendar could significantly impact the planning for students in their last year of high school/secondary school, such changes may be published but be delayed by a year (or more) in taking effect, to allow time for students to adjust their studies before coming to the University of Toronto and the Faculty of Arts & Science.

Governing Structure of the Faculty of Arts & Science

The Arts & Science Council

The Arts & Science Council is the governing body in the Faculty of Arts & Science. The Council is composed of elected members from the Faculty's undergraduate and graduate students, teaching staff, administrative and technical staff, and normally meets six times per year. It approves policy for the Faculty in the areas of admissions, curriculum development, evaluation and academic standing, and determines the Faculty's academic rules and regulations. Budgetary and administrative matters are not within the purview of Council; those responsibilities lie with the Dean of the Faculty.

The Council has several Standing Committees charged with specific responsibilities to formulate policy and to apply it in specific cases. Those committees are: Undergraduate Curriculum Committees, Graduate Curriculum Committee, Committee on Standing (petitions), Academic Appeals Board, and the Committee on Admissions. There is also an Agenda Committee which oversees the business conducted at each meeting of Council, and which can, in extreme cases, approve items when Council is unavailable and when urgency demands it.

Details on the Council and its sub-committees, along with the Constitution and By-Laws, rules for elections, meeting dates and agendas can be found on the [Faculty's Governance web site](#).

Elections to Council and its Committees

Elections to fill the positions on the Arts & Science Council and its committees are held in the Spring for the following year's Council and committees. The exception is the election of First-Year representatives, held early in the Fall Term; this time may also be used to fill any seats still empty after the previous Spring.

Notification of the nomination and election dates, as well as nomination forms, will be available on the [Faculty's Governance web site](#).

University and Faculty Leadership

Governing Council & the University of Toronto Senior Leadership

Governing Council of the University of Toronto, established in 1971, oversees the business of the University – its academic programs and planning, its business and finances, and the support for student community.

Governing Council, with this mandate, works closely with senior administrative leadership, including the University's Chancellor, the President, Vice-Presidents, the Provost and Vice-Provosts.

More about this leadership is available at the following web pages:

- [governingcouncil.utoronto.ca](#) – For information not only on Governing Council, but the various boards and committees that report to it. There is also a link to the University's policies.
- [president.utoronto.ca](#) – For more information about the current President, Meric Gertler, and his priorities in leading the University.
- [utoronto.ca/about-u-of-t](#) – This page introduces you to the senior leadership of the University, with links to small bios to learn about each member.
- [provost.utoronto.ca](#) – This page introduces the Vice-President and Provost and lists the many Vice-Provosts and their areas of work to support University life.

Arts & Science Council & Officers of the Faculty of Arts & Science

Faculty of Arts & Science Council, unlike Governing Council for the University, only oversees academic policy and curriculum in the Faculty of Arts & Science. The Dean of Arts & Science manages the business and financial side of Arts & Science, supported by Vice-Deans, Associate Deans and senior administration. The Dean's Office, along with the Office of the Faculty Registrar, and the senior administration of the seven Colleges work closely with student groups and individual students to support communities of learning and engagement.

More information is available at the following websites:

- [artsci.utoronto.ca/about/faculty-governance](#) – These pages tell you more about Arts & Science Council, its Standing Committees, and its past and current business.
- [artsci.utoronto.ca/leadership-team/dean-faculty-arts-science](#) – This page tells you more about the current Dean of Arts & Science.

Faculty Officers for July 1, 2018 – June 30, 2019, and July 1, 2019 – June 30, 2020. (Academic appointment terms begin July 1 of a given year.)

Position	July 1, 2018 to June 30, 2019	July 1, 2019 to June 30, 2020
Dean, Faculty of Arts & Science	Prof. David Cameron	Prof. Melanie Woodin
Vice-Dean, Graduate Education	Prof. Dwayne Benjamin	Prof. Dwayne Benjamin
Vice-Dean, Undergraduate & International	Prof. Pamela Klassen	Prof. Pamela Klassen
Vice-Dean, Academic Planning & Strategic Initiatives	Prof. Penelope (Poppy) Lockwood	Prof. Penelope (Poppy) Lockwood
Vice-Dean, Faculty & Academic Life	Prof. John Magee	TBD
Vice-Dean, Research & Infrastructure	Prof. Jay Pratt	Prof. Jay Pratt
Vice-Dean, Interdivisional Partnerships	(from Oct 1, 2018) Prof. Melanie Woodin	TBD
Associate Dean, Teaching & Learning	Prof. Alana Boland	Prof. Alana Boland
Associate Dean, Undergraduate Issues & Academic Planning	Prof. Melanie Woodin (to Sept 30, 2018)	Prof. Asher Cutter

The Learning Experience

Language of Instruction

The default language of instruction in any course is English. If any course is taught in another language – for example, advanced courses studying another language – then that is clearly stated in the course description.

Academic Sessions and Terms

There are two Academic Sessions at the Faculty of Arts & Science.

- The **Fall/Winter** Session runs from September to April and is divided into two terms: First (September to December) and Second (January to April).
 - Each term of the Fall/Winter comprised of 12 weeks for classes/lectures (thus, 24 weeks in total for the Session) and includes days for study break and for Faculty final exams (also called the Exam Period). Some courses, normally full (1.0 credit) courses, run the full 24 weeks from September to April; normally half-courses (0.5 credits) run in the Fall or Winter term. In some cases, courses may repeat and be offered in the Fall and the Winter.
 - Enrolment for an upcoming Fall/Winter normally begins in early July.
- The **Summer** Session runs from May to August (with a total of 12 weeks possible for course content) has two short terms, also "First" and "Second".
 - The first term runs from early May to mid-June, the other from early July to mid-August. Days are also allotted for exam preparation and for writing exams. Because of this compressed time period, many courses have double the normal lectures/tutorials in any week, and so the limit on the number of classes a student can take in the Summer is lower.
 - Enrolment for an upcoming Summer session normally begins in early March.

When a student enrolls in a course in any session, they are normally expected to be available from the start of classes all the way through to the end of the Session, which is the last day of the final exam period.

Course Offerings

The Academic Calendar is the complete document of all the degrees, programs of study, and courses offered by the Faculty of Arts & Science. But note that each academic unit reserves the right not to offer every course every academic year. Every effort, however, is made to ensure that core mandatory courses are offered reliably every year, and in many cases, more than once through an academic year.

See [How to Use the Calendar](#) to learn more about what the Academic Calendar can tell you about the experience and expectations in any course offering

Degree Requirements (H.B.A., H.B.Sc., BCom)

In this section:

- [Honours Bachelor of Arts \(HBA\)/Honours Bachelor of Science \(HBSc\) Requirements](#)
- [Bachelor of Commerce \(BCom\) Requirements](#)

HBA/HBSc Requirements

Degree Requirements: Honours Bachelor of Arts (HBA)/Honours Bachelor of Science (HBSc)

Number of Credits (Full Course Equivalents; FCE)	20.0. At least 10.0 FCE must be offered by the Faculty of Arts & Science.
Level of Credits	Maximum 6.0 at the 100-level At least 6.0 at the 300/400-level
Program Requirements	1 Specialist, or 2 Majors*, or 1 Major + 2 Minors* * must consist of 12.0 different FCE
Cumulative Grade Point Average (GPA)	1.85
Breadth Requirement	The Breadth Requirement can be completed in one of two ways: (a) at least 1.0 FCE in each of 4 of the 5 categories below, or (b) at least 1.0 FCE in each of any 3 of the 5 categories, and at least 0.5 FCE in each of the other 2 categories. 1 Creative and Cultural Representations 2. Thought, Belief, and Behaviour 3. Society and Its Institutions 4. Living Things and Their Environment 5. The Physical and Mathematical Universes

To qualify for an Honours Bachelor of Arts (HBA) or Honours Bachelor of Science (HBSc), a student must:

a) Obtain standing (i.e., complete with a mark of 50% or higher/P/CR) in at least 20.0 Full Course Equivalents (FCE) that meet the following criteria:

- No more than 6.0 FCE at the 100-level.
- At least 6.0 FCE at the 300+ level (no more than 1.0 FCE at the 300+ level in transfer credit may be counted towards these 6.0 FCE, with the exception of transfer credits attained through a University of Toronto exchange program; students participating in an approved exchange program may count all 300+ level transfer credits awarded from the exchange toward this requirement).
- At least 10.0 FCE from Faculty of Arts & Science courses. Note that transfer credits attained through a University of Toronto exchange program contribute to this 10.0 FCE minimum.
- No more than 15.0 FCE may have the same three-letter designator ("AST", "ENG", etc.). Courses beyond this limit will not be included in the 20.0 FCE required for the degree, but will be counted in all other respects.

b) Complete one of the following:

- One Specialist program (which includes at least one FCE at the 400-level), or
- Two Major programs, which must include at least 12.0 different FCE, or
- One Major and two Minor programs, which must include at least 12.0 different FCE

Whether a student receives an HBA or HBSc depends on the programs that are completed; see [Program Requirements](#).

c) Complete the Arts & Science [Breadth Requirement](#).

d) Obtain a Cumulative GPA of 1.85 or more by the time of graduation. Students who meet all the requirements for the HBA/HBSc except for the GPA requirement may elect to graduate with a Bachelor of Arts/Bachelor of Science degree provided that their final Cumulative GPA is between 1.5 and 1.84.

Program Requirements

Completion of one or more programs is only one part of the general degree requirements. Variations made in program details for individual students do not in any way affect degree requirements. Programs are groupings of courses in one or more disciplines.

Programs of Study are one of:

- **Specialist Program:** a sequence of between 10.0 and 14.0 Full Course Equivalents (FCE) in one or more disciplines (note that some interdisciplinary Specialist programs may require up to 16.0 FCE). Specialist programs must include at least 4.0 300+series FCE, at least 1.0 FCE of which must be at the 400-level.
- **Major Program:** a sequence of between 6.0 and 8.0 FCE in one or more disciplines. Major programs must include at least 2.0 300+series FCEs, at least 0.5 FCE of which must be at the 400-level.
- **Minor Program:** a sequence of 4.0 FCEs in one or more disciplines. Minor programs must include at least 1.0 FCE at the 300+level.

Please note:

Some courses included as program options may have prerequisites as requirements not listed in the program but which must be taken. Programs which list optional courses do not necessarily list their prerequisites. Students are responsible for fulfilling prerequisites; students enrolled in courses for which they do not have the published prerequisites may have their registration in those courses cancelled at any time without warning.

Students are required to:

- Enrol in at least one and no more than three programs (of which only two can be Majors or Specialists), in the session in which they pass the fourth Full Course Equivalent (FCE). See the [Arts & Science Program Toolkit](#) for details. Students admitted with transfer credit for 4.0 FCE or more must enrol in programs immediately upon admission.
- Meet any enrolment requirements for a program as stated in the Calendar.
- The programs(s) completed determine whether a student receives the Honours Bachelor of Science (HBSc) or the Honours Bachelor of Arts (HBA) degree upon graduation. Each program entry lists the type of degree it leads to. For example, in the English section, the English Specialist listing is followed by "Arts program"; in the Mathematics section, the Math Major is followed by "Science program", etc. A student completing one Specialist in an Arts area would receive the HBA; a student completing one Specialist in a Science area would receive the HBSc.

For program combinations that include more than one area (Arts and Science), the following applies:

- A student completing one Major in a Science area and one Major in an Arts area has a choice of either the HBSc or the HBA.
- In combinations of one Major and two Minors, the type of degree depends on the areas of the three programs. For example, if the Major is in a Science area and the two Minors are in Arts areas (or vice versa), the student has a choice of either the HBSc or the HBA. If the Major and one Minor are in Science areas and the other Minor is in an Arts area, the student would receive the HBSc. Similarly, if the Major and one Minor are in Arts areas and the other Minor is in a Science area, the student would receive the HBA.
- A student completing one Specialist in a Science area and an additional Major in an Arts area (or vice versa) has a choice of either the HBSc or the HBA.
- Students enrolled in either two Majors or one Major and two Minors must ensure they have a minimum of 12.0 different Full Course Equivalents (FCE) between the programs.

For example:

- For a student enrolled in the Physiology Major (8.0 FCE) and the Biology Major (8.0 FCE):
 - In order to meet the 12.0 different FCE requirement, they may have up to 4.0 overlapping FCE between their Majors ($8.0 + 8.0 = 16.0$; $16.0 - 12.0 = 4.0$).
 - These two programs contain 3.0 core FCE in common: (BIO120H1+BIO130H1), (CHM138H1+CHM139H1), and (BIO220H1+BIO230H1). Therefore, they may take up to 1.0 more overlapping FCE between the majors. In short, 8.0 for PSL + 8.0 for BIO = 16.0 FCE; 16.0 FCE - 12.0 different FCE = 4.0 FCE overlap allowed.
- For a student enrolled in the Economics Major (7.0 FCE) and the Statistics Major (6.5 FCE):
 - In order to meet the 12.0 different FCE requirement, they may have up to 1.5 overlapping FCE between their Majors ($7.0 + 6.5 = 13.5$; $13.5 - 12.0 = 1.5$).

- They take MAT135Y1 and STA257H1+STA261H1 (2.0 FCE total) towards both programs. Since they have exceeded the 1.5 FCE overlap limit by 0.5, they must take an additional 0.5 FCE towards one of the Majors so that they will have 12.0 different FCE between them.

Self-Designed Programs

In rare circumstances, a student may propose to design their own program, which must be substantially different from any program in this Calendar. Such cases are exceptional. Such a program, if formally adopted by the student's College on the basis of its academic rigour and coherence, and if approved by the Office of the Dean, will be accepted as fulfilling the degree requirement for certification in a program (transcripts indicate only "Completed Self-designed Program approved by 'X' College"). Since the approval process is necessarily a long one, students following this alternative must discuss this process with their College Registrar immediately after completion of the fourth course in the Faculty.

Breadth Requirement

The purpose of the Breadth Requirement is to ensure all students graduating with a degree from the Faculty of Arts & Science have chosen courses across a broad range of subject areas in the Faculty as part of their undergraduate education.

The five Breadth Requirement Categories are:

1. Creative and Cultural Representations
2. Thought, Belief, and Behaviour
3. Society and Its Institutions
4. Living Things and Their Environment
5. The Physical and Mathematical Universes

The Breadth Requirement can be completed in one of two ways:

- at least 1.0 full course equivalent (FCE) in each of 4 of the 5 categories below, or
- at least 1.0 full course equivalent (FCE) in each of any 3 of the 5 categories, and at least 0.5 FCE in each of the other 2 categories.

Most courses in the Faculty of Arts & Science are classified into five Breadth categories by subject content. A few courses do not have a Breadth Requirement assigned and therefore do not count toward this degree requirement. Students may count towards the Breadth Requirement any course which has a Breadth designation, and in which they have achieved standing (a grade of 50% or higher/P/CR), including courses completed toward program (Specialist, Major, Minor) requirements. Courses that have been designated Extra can contribute toward the Breadth Requirement.

A course's Breadth designation can be found following the course description in the Calendar for the year in which the course is taken; in the instance where a course does not have a Breadth category, the Breadth Requirement will not appear in the course description.

For example:

HIS103Y1 Statecraft and Strategy: An Introduction to the History of International Relations [48L/20T]

An analysis of the development of the international system, from 1648 to 1945, which highlights the role of war as an instrument of national policy, as a determinant of the system of states and as a threat to international society.

Exclusion: any 100-level HIS course, with the exception of AP, IB, CAPE, or GCE transfer credits.

Breadth Requirement: Society and its Institutions (3)

HIS103Y1 counts as 1.0 FCE in Category 3 (Society and Its Institutions).

ENG215H1 The Canadian Short Story [36L]

An introduction to the Canadian short story, this course emphasizes its rich variety of settings, subjects, and styles.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Breadth Requirements: Creative and Cultural Representations (1)

ENG215H1 counts as 0.5 FCE in Category 1 (Creative and Cultural Representations).

ANT100Y1 Introduction to Anthropology [48L/12T]

Society and culture from various anthropological perspectives: socio-cultural, biological, archaeological, and linguistic.

Breadth Requirements: Living Things and Their Environment (4)

Society and its Institutions (3)

ANT100Y1 counts as 0.5 FCE in Category 3 (Society and its Institutions) and 0.5 FCE in Category 4 (Living Things and Their Environment).

BCom Requirements

Degree Requirements: Bachelor of Commerce (BCom)

Number of Credits (Full Course Equivalents; FCE)	20.0. At least 10.0 FCE must be offered by the Faculty of Arts & Science.
Level of Credits	Maximum 6.0 at the 100-level At least 6.0 at the 300/400-level, including at least 1.0 at the 400-level
Program Requirements	Management, Finance & Economics, or Accounting Specialist (A minimum of 8.0 RSM/MGT courses, 8.0 other A&S courses)
Cumulative Grade Point Average (GPA)	1.85
Breadth Requirement	<p>The Breadth Requirement can be completed in one of two ways: (a) at least 1.0 FCE in each of 4 of the 5 categories below, or (b) at least 1.0 FCE in each of any 3 of the 5 categories, and at least 0.5 FCE in each of the other 2 categories.</p> <p>1 Creative and Cultural Representations 2. Thought, Belief, and Behaviour 3. Society and Its Institutions 4. Living Things and Their Environment 5. The Physical and Mathematical Universes</p>

To qualify for a Bachelor of Commerce (BCom) degree, a student must:

a) Obtain standing (i.e., complete with a mark of 50% or higher/P/ CR) in at least 20.0 Full Course Equivalents (FCE) that meet the following criteria:

- No more than 6.0 FCE at the 100-level.
- At least 6.0 FCE at the 300+ level, at least 1.0 FCE of which must be at the 400-level (no more than 1.0 FCE at the 300+ level in transfer credit may be counted towards these 6.0 FCE, with the exception of transfer credits attained through a University of Toronto exchange program; students participating in an approved exchange program may count all 300+ level transfer credits awarded from the exchange toward this requirement).
- At least 10.0 FCE in Faculty of Arts & Science courses. Note that transfer credits attained through a University of Toronto exchange program contribute to this 10.0 FCE minimum.
- No more than 15.0 FCE may have the same three-letter designator ("AST", "ENG", etc.). Courses beyond this limit will not be included in the 20.0 FCE required for the degree, but will be counted in all other respects.

b) Complete one of the following program requirements: Specialist in Accounting, Specialist in Finance and Economics, or Specialist in Management

c) Complete the Arts & Science Breadth Requirement;

d) Achieve a cumulative GPA of 1.85 or more by the time of graduation.

Program Requirements

Completion of one or more programs is only one part of the general degree requirements. Variations made in program details for individual students do not in any way affect degree requirements. Programs are groupings of courses in one or more disciplines.

Programs of Study are one of:

- **Specialist Program:** a sequence of between 10.0 and 14.0 Full Course Equivalents (FCE) in one or more disciplines (note that some interdisciplinary Specialist programs may require up to 16.0 FCE). Specialist programs must include at least 4.0 300+series FCE, at least 1.0 FCE of which must be at the 400-level.
- **Major Program:** a sequence of between 6.0 and 8.0 FCE in one or more disciplines. Major programs must include at least 2.0 300+series FCEs, at least 0.5 FCE of which must be at the 400-level.
- **Minor Program:** a sequence of 4.0 FCEs in one or more disciplines. Minor programs must include at least 1.0 FCE at the 300+level.

Please note: Some courses included as program options may have prerequisites as requirements not listed in the program but which must be taken. Programs which list optional courses do not necessarily list their prerequisites. Students are responsible for fulfilling prerequisites; students enrolled in courses for which they do not have the published prerequisites may have their registration in those courses cancelled at any time without warning.

Students are required to:

- Enrol in at least one and no more than three programs (of which only two can be Majors or Specialists), in the session in which they pass the fourth Full Course Equivalent (FCE). Bachelor of Commerce students complete either the Specialist in Accounting, Specialist in Finance and Economics, or Specialist in Management and can enroll in Major or Minor programs in other disciplines as well.
- Meet any enrolment requirements for a program as stated in the Calendar.

Self-Designed Programs

In rare circumstances, a student may propose to design their own program, which must be substantially different from any program in this Calendar. Such cases are exceptional. Such a program, if formally adopted by the student's College on the basis of its academic rigour and coherence, and if approved by the Office of the Dean, will be accepted as fulfilling the degree requirement for certification in a program (transcripts indicate only "Completed Self-designed Program approved by 'X' College"). Since the approval process is necessarily a long one, students following this alternative must discuss this process with their College Registrar immediately after completion of the fourth course in the Faculty.

Breadth Requirement

The purpose of the Breadth Requirement is to ensure all students graduating with a degree from the Faculty of Arts & Science have chosen courses across a broad range of subject areas in the Faculty as part of their undergraduate education.

The five Breadth Requirement Categories are:

1. Creative and Cultural Representations
2. Thought, Belief, and Behaviour
3. Society and Its Institutions
4. Living Things and Their Environment
5. The Physical and Mathematical Universes

The Breadth Requirement can be completed in one of two ways:

- at least 1.0 full course equivalent (FCE) in each of 4 of the 5 categories below, or
- at least 1.0 full course equivalent (FCE) in each of any 3 of the 5 categories, and at least 0.5 credits in each of the other 2 categories.

Most courses in the Faculty of Arts & Science are classified into five Breadth categories by subject content. A few courses do not have a Breadth Requirement assigned and therefore do not count toward this degree requirement. Students may count towards the Breadth Requirement any course which has a Breadth designation, and in which they have achieved standing (a grade of 50% or higher/P/CR), including courses completed toward program (Specialist, Major, Minor) requirements. Courses that have been designated Extra can contribute toward the Breadth Requirement.

A course's Breadth designation can be found following the course description in the Calendar for the year in which the course is taken; in the instance where a course does not have a Breadth category, the Breadth Requirement will not appear in the course description.

For example:

HIS103Y1 Statecraft and Strategy: An Introduction to the History of International Relations [48L/20T]

An analysis of the development of the international system, from 1648 to 1945, which highlights the role of war as an instrument of national policy, as a determinant of the system of states and as a threat to international society.

Exclusion: any 100-level HIS course, with the exception of AP, IB, CAPE, or GCE transfer credits.

Breadth Requirement: Society and its Institutions (3)

HIS103Y1 counts as 1.0 FCE in Category 3 (Society and Its Institutions).

ENG215H1 The Canadian Short Story [36L]

An introduction to the Canadian short story, this course emphasizes its rich variety of settings, subjects, and styles.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Breadth Requirements: Creative and Cultural Representations (1)

ENG215H1 counts as 0.5 FCE in Category 1 (Creative and Cultural Representations).

ANT100Y1 Introduction to Anthropology [48L/12T]

Society and culture from various anthropological perspectives: socio-cultural, biological, archaeological, and linguistic.

Breadth Requirements: Living Things and Their Environment (4)

Society and its Institutions (3)

ANT100Y1 counts as 0.5 FCE in Category 3 (Society and its Institutions) and 0.5 FCE in Category 4 (Living Things and Their Environment).

Rules and Regulations

Academic Record

Grading and Course Marks

Marks Review Procedure

The Faculty of Arts & Science implements the Grading Regulations, reviews course marks submitted by academic units, and posts the official marks. Official marks are communicated to students via ACORN.

Each academic unit has an appointed faculty member (e.g. a Chair, Program Director, Vice Principal) who is responsible for reviewing marks submitted by instructors. This appointed faculty member may ask for clarification of any anomalous results or distributions, or disparity between sections of the same courses. Both the appointed faculty member and the Dean have the right, in consultation with the instructor of the course, to adjust marks where there is an obvious and unexplained discrepancy between the marks submitted and the perceived standards of the Faculty. Final marks are official, and may be communicated to the students only after the review procedure has taken place. Marks, as an expression of the instructor's best judgment of each student's overall performance, will not be determined by any system of quotas.

Course Marks

Percentage	Letter Grade	Grade Point Value*	Grade Definition	
90-100	A+	4.0	Excellent	Strong evidence of original thinking; good organization; capacity to analyze and synthesize; superior grasp of subject matter with sound critical evaluations; evidence of extensive knowledge base.
85-89	A	4.0		
80-84	A-	3.7		
77-79	B+	3.3	Good	Evidence of grasp of subject matter; some evidence of critical capacity and analytic ability; reasonable understanding of relevant issues; evidence of familiarity with literature.
73-76	B	3.0		
70-72	B-	2.7		
67-69	C+	2.3	Adequate	Student who is profiting from their university experience; understanding of the subject matter; ability to develop solutions to simple problems in the material.
63-66	C	2.0		
60-62	C-	1.7		
57-59	D+	1.3	Marginal	Some evidence of familiarity with subject matter and some evidence that critical and analytic skills have been developed.
53-56	D	1.0		
50-52	D-	0.7		
0-49	F	0.0	Inadequate	Little evidence of even superficial understanding of subject matter; weakness in critical and analytic skills; with limited or irrelevant use of literature.

* The grade point values above apply to marks earned in individual courses; grade point averages are weighted sums of the grade points earned, and thus do not necessarily correspond exactly to the scale above.

In order to obtain final standing in a course, a student must receive at least a passing grade (50%)/P/CR in that course. A Grade of "F" is a failure. There are no supplemental examination privileges in the Faculty.

Transcript notations that may appear in lieu of a final mark and have no grade point value are:

AEG	Aegrotat Standing on the basis of term work and medical evidence
CR/NCR	<u>Credit/No Credit</u>
EXT or XTR or X	Extra
GWR	Grade Withheld pending Review
IPR	(Course) In Progress
LWD	<u>Late Withdrawal After the Drop Date</u>
NGA	No grade available
P/FL	Pass/Failure. In cases where the FL grade is used in calculating grade point averages, the symbol "FL %" is used and a grade point value of 0.0 is assigned
SDF	Standing Deferred; granted only by <u>petition</u>
WDR	Late Withdrawal without academic penalty after the relevant deadline; granted only by <u>petition</u>

Grade Point Average

The Grade Point Average (GPA) is the weighted sum (a full course is weighted as 1.0, a half-course as 0.5) of the grade points earned, divided by the number of courses in which grade points were earned. GPAs are calculated for degree students, non-degree students, and visiting students. For non-degree students who have completed a degree in the Faculty, the cumulative GPA includes all courses taken both as a degree student and as a non-degree student.

Four types of grade point averages are calculated:

- **Sessional GPA (SGPA):** The SGPA is calculated up to three times per year, based on marks obtained during each of the Fall term (September-December), the Winter term (January-April), and the Summer Session (May-August).
- **Annual GPA (AGPA):** The AGPA is calculated once, based on courses completed during the Fall/Winter Session as a whole.
- **Cumulative GPA (CGPA):** The CGPA is calculated on the same schedule as the SGPA and takes into consideration all the marks for all individual courses completed by the student to that point.
- **The Concurrent Teacher Education Program (CTEP) GPA:** takes into account all Bachelor of Education courses and is only calculated for CTEP students.

Courses that are not included in the GPA calculation are:

- courses noted with AEG standing
- transfer credits
- courses designated Extra
- courses taken as CR/NCR
- courses evaluated on a Pass/Fail basis in which a grade of Pass (P) is achieved

If a grade of Fail (FL) is achieved in a course evaluated on a Pass/Fail basis, a grade point value of 0.0 may be assigned in which case the course is included in the GPA.

Assessment of Academic Standing

There are four kinds of academic standing:

- In Good Standing
- On Probation
- On Suspension
- Refused Further Registration

Academic standing is assessed for the first time at the end of the Session in which a student achieves final standing in at least 0.5 Full Course Equivalents (FCE) in the Faculty of Arts & Science, excluding:

- courses noted with AEG standing
- transfer credits
- courses designated Extra

- courses taken as CR/NCR
- courses evaluated on a Pass/Fail basis in which a grade of Pass (P) is achieved

If a grade of Fail (FL) is achieved in a course evaluated on a Pass/Fail basis, a grade point value of 0.0 may be assigned in which case the course is included in the GPA and therefore contributes to the assessment of academic standing.

Academic standing is assessed twice a year:

- At the end of the Fall/Winter Session; the GPAs used for this assessment are the annual and the cumulative GPAs.
- At the end of the Summer Session; the GPAs used for this assessment are the sessional and the cumulative GPAs.

In Good Standing

Students are described as In Good Standing if their cumulative GPA is 1.5 or higher, that is, they have not been assessed as On Probation, Suspended, or Refused Further Registration.

Probation, Suspension, and Refused Further Registration

Students are on academic probation if they

- a) have a cumulative GPA of less than 1.50 or
- b) return from suspension

Students On Academic Probation may take no more than 2.5 Full Course Equivalents (FCE) in each of the Fall and Winter terms, and no more than 1.0 FCE in each of the Summer terms (see Number of Courses Taken).

Students who are on probation and, depending on individual enrolment, at the end of the next Fall/Winter Session or Summer Session when academic standing is assessed:

- have a cumulative GPA of 1.50 or more: will be in good standing
- have a cumulative GPA of less than 1.50 but an annual GPA of 1.70 or more (Fall/Winter Session) or a sessional GPA of 1.70 or more (Summer Session): will continue on probation
- have a cumulative GPA of less than 1.50 and an annual GPA of less than 1.70 (Fall/Winter Session) or a sessional GPA of less than 1.70 (Summer Session): will be suspended for one calendar year unless they have already been suspended for one year, in which case they will be suspended for three years.

Students who, having been suspended for three years, when next assessed have a cumulative GPA of less than 1.50 and an annual GPA of less than 1.70 (Fall/Winter Session) or a sessional GPA of less than 1.70 (Summer Session): will be refused further registration in the Faculty.

Recognition of Academic Achievement

Dean's List Scholar

This designation is given at the end of the Fall/Winter Session and/or Summer Session to Faculty of Arts & Science degree students who complete their fifth, tenth, fifteenth, or twentieth degree credit in the Faculty and obtain a Cumulative Grade Point Average of 3.50 or higher.

The following courses are included in the credit count for the Dean's List, as long as the student receives a final mark of 50% or higher or a status of CR or P:

- Faculty of Arts & Science courses (H1/Y1/H0/Y0) completed for degree credit
- Courses in other divisions (for example the University of Toronto Mississauga (UTM), University of Toronto Scarborough (UTSC), or the John H. Daniels Faculty of Architecture, Landscape, and Design) completed by a degree student registered in the Faculty of Arts & Science
- Faculty of Arts & Science courses (H1/Y1/H0/Y0) completed while a student was registered in another division (for example, UTM/UTSC/Daniels) and the student subsequently transferred to the Faculty of Arts & Science

The following courses are not included in the credit count for the Dean's List:

- Transfer credits from secondary school (e.g. AP, IB, GCE, etc.) and/or post-secondary institutions
- Courses in other divisions completed while a student was registered in the other division
- Courses designated Extra

- Courses with a final mark of 49% or lower, or with a status of NCR or F
- EDU courses taken as part of the Concurrent Teacher Education Program (CTEP)

A “Dean’s List Scholar” notation is added to each qualifying student’s transcript in late June (for students who satisfy the criteria at the end of the Fall/Winter Session) and in late October (for students who satisfy the criteria at the end of the Summer Session). Dean’s List Scholar notations are not applied at the end of the Fall term. There is no monetary value.

Students who satisfy the criteria but do not receive a transcript notation by the dates above for the appropriate session can contact the Office of the Faculty Registrar, Faculty of Arts & Science, at ask.artsci@utoronto.ca.

Distinction and High Distinction

Students who graduate with a Cumulative Grade Point Average (GPA)* of 3.50 or above are described as graduates “With High Distinction”. This achievement is noted on the diploma and transcript.

Students who graduate with a Cumulative GPA* of 3.20 to 3.49 are described as graduates “With Distinction”. This achievement is noted on the diploma and transcript.

*Note: The Cumulative GPA must be based on at least 5.0 FCE taken for Faculty of Arts & Science degree credit.

Faculty of Arts & Science Scholarships

The Faculty offers many academically-based scholarships and other awards to exceptional degree students. Full details of these scholarships are available on the [Faculty website](#).

Course Enrolment

In This Section:

- [Year of Study](#)
- [Number of Courses Taken \(“Course Load”\)](#)
- [Full-time and Part-time Status](#)
- [Extra Courses](#)
- [Credit/No Credit \(CR/NCR\)](#)
- [Cancelling Courses or Registration](#)
- [Late Withdrawal \(LWD\)](#)
- [Prerequisites, Co-requisites, and Exclusions](#)
- [Taking Courses Outside the Faculty](#)

Year of Study

A Faculty of Arts & Science student who has:

- Completed fewer than 4.0 Full Course Equivalents (FCE) is in Year 1
- Completed 4.0 to 8.5 FCE is in Year 2
- Completed 9.0 to 13.5 FCE is in Year 3
- Completed 14.0 or more is in Year 4

Number of Courses Taken (“Course Load”)

Students may proceed towards the degree at a rate of their own choosing, within the following parameters:

1. The recommended course load for full-time students who are in good standing in each of the Fall and Winter terms is no more than 2.5 Full Course Equivalents (FCE); the maximum course load in each term is 3.0 FCE. During the priority period of enrolment students' maximum course load, included waitlisted courses, is 2.5 FCE; once the priority period has ended, students may enroll in/waitlist for an additional 0.5 FCE to the maximum of 3.0 FCE. Special consideration will not be granted on the basis of enrolment in more than the recommended maximum.
2. The maximum course load for students who are in good standing during the Summer Session is 1.0 FCE per term.
3. Students on Academic Probation may take no more than 2.5 FCE in each of the Fall and Winter terms and no more than 1.0 FCE in each of the Summer terms.
4. Once students have completed 4.0 FCE in the Faculty of Arts & Science, their College Registrar may consider a request for an exception to the above limits; the Rotman Commerce Program Office considers requests for an exception for Bachelor of Commerce students. The College Registrar or Rotman Commerce Program Office, following Faculty guidelines, has the discretion to approve or deny such requests. Special consideration will not be granted on the basis of, and final examination schedules may be affected by, a course overload.
5. Students restricted to a reduced course load on admission may take no more than 1.5 FCE in a Fall or Winter term unless approved by their College Registrar, and no more than 2.5 FCE overall during the Fall/Winter Session. They may take a maximum of 1.0 FCE in the Summer Session. Students restricted to part-time studies who wish to transfer to full-time studies should consult with their College Registrar.
6. To calculate course loads, students should consult this Calendar together with the Timetable. The codes “Y1” or “H1” in a course code in the Calendar indicate the credit value:

Y1 = a full course (1.0 FCE), for which one credit is given (e.g. ANT100Y1)

H1 = a half-course (0.5 FCE), for which one-half credit is given (e.g. HIS332H1)

7. In the Timetable a section code is associated with a course code to indicate when the course is offered:

F = “First Term”; the first term of the Fall/Winter Session (September – December) or the first term of the Summer Session (May – June)

S = “Second Term”; the second term of the Fall/Winter Session (January – April) or the second term of the Summer Session (July – August)

Y = full session, the September – April or May – August

8. Students should note that courses designated as “...Y1F” or “...Y1S” in the Timetable are particularly demanding.

Full-Time and Part-Time Status

Full-time status

- A student enrolled in 3.0 full course equivalents (FCE) or more in the Fall/Winter Session is full-time.
- A student enrolled in 1.5 full course equivalents (FCE) or more in the Summer Session is full-time.

Part-time status

- A student enrolled in 2.5 FCE or fewer in the Fall/Winter Session is part-time.
- A student enrolled in 1.0 FCE or fewer in the Summer Session is part-time.

Extra Courses

Extra courses appear on a student's academic record with a final course mark and are noted as "EXT". Extra courses do not count for degree credit and are not included in calculating a student's Grade Point Average. However, Extra courses may count in other respects, such as to satisfy program requirements or Breadth Requirements.

Each course with a mark of 50% or higher/P/CR counts for credit towards a degree unless:

- the course is a 100-level course and the maximum of 6.0 FCE at the 100-level allowable for degree credit has already been completed (see 1. below), or
- the course has already been passed and is being repeated (see 2. below), or

- the course lists as an exclusion another course that has already been completed (see 3. below)

1. 100-level Limit and Chronological Principle

Students may complete a maximum of 6.0 100-level FCE towards their degree. Additional 100-level courses taken beyond 6.0 FCE will be designated Extra and will not count for degree credit. Courses are credited towards a degree chronologically. For example, if a student has already passed 6.0 100-level FCE and then enrols in and passes further 100-level courses, the more recent courses are designated Extra. In other words, all subsequent 100-level courses beyond 6.0 FCE are made Extra. An exception to this rule occurs when a student who has completed 5.5 FCE at the 100-level enrols in and passes a full credit course at the 100-level in a subsequent session. In this case, providing it does not result in a retroactive change in academic standing, the most recently passed half-course may be designated as Extra.

2. Repeating Passed Courses

Students (both degree and non-degree) may not repeat any course in which they have already obtained credit (a mark of 50% or higher/P/CR) with two exceptions:

- i) When students need to achieve a minimum mark in a course for entry to a limited-enrolment program or for meeting a prerequisite to take another course in their program, they may repeat such a course once. The repeated course will be designated Extra:
- ii) Students may repeat up to 1.0 FCE in which they have already obtained credit for reasons other than to meet a minimum mark for entry to a limited-enrolment program or for course prerequisite purposes. The repeated course will be designated Extra. Students may not use this one-time-only allowance to subsequently repeat a passed course again after having repeated the same course for reasons noted in i) above, i.e., they may repeat a specific passed course only once.

Students requesting to repeat a course must do so at their College Registrar's Office, where they will receive appropriate advising and will be enrolled in the course, provided there is space available, only after other degree students have had an opportunity to enroll.

3. Exclusions

Students may not receive degree credit for a course that lists as an exclusion a course they are currently taking or a course they have already passed. If they enrol in such a course, they may be removed at any time during the enrolment period at the discretion of the department. If allowed to remain enrolled in an excluded course, the second course taken will be designated Extra.

Credit/No Credit (CR/NCR)

Degree students in the Faculty of Arts & Science may select up to 2.0 Full-Course Equivalents (FCE) to be assessed on a Credit/ No Credit (CR/NCR) basis. This option is available for Arts & Science degree students taking courses offered by the Faculty of Arts & Science, the John H. Daniels Faculty of Architecture, Landscape and Design (Daniels), the University of Toronto Mississauga (UTM), or the University of Toronto Scarborough (UTSC). Some courses may not be eligible for CR/NCR -- refer to the Academic Calendar of the relevant division. This option is not available to Arts & Science non-degree students.

Students taking a course on a CR/NCR basis will not be identified individually to the instructor teaching that course; they will be assessed in the same way as all other students in the course (will have the same assignments and tests and will be evaluated with the same expectations).

Deadline

Students can choose or remove this mode of assessment on ACORN; the deadline to do so is the last date to cancel the relevant course without academic penalty. Once the deadline has passed, students may not reverse this decision.

Eligibility for CR or NCR

To achieve a status of CR (Credit) in a course, a student must achieve a final mark of at least 50%. Courses with a final status of CR will count as degree credits but will have no effect on the student's Grade Point Average (GPA) calculation. They will also count toward the Breadth Requirements, but cannot normally be used to satisfy program requirements or the 12.0 distinct FCE between programs required for the degree. See the Calendar sections on Degree Requirements for details.

A course with a final mark below 50% will be assessed as NCR (No Credit). Courses with a final status of NCR will not count as degree credits , and will also not be included in the GPA calculation.

Important Notes and Limitations of CR/NCR

The underlying mark of a course completed on a CR/NCR basis will not be released or reported in any way. However, the Faculty cannot determine how an external body may read or interpret the CR/NCR on a transcript. If a specific mark may be required in a course for

professional or graduate school applications or for other reasons in the future, students should not choose the CR/NCR option. Students may wish to seek academic advising at their College Registrar's Office when considering the use of CR/NCR.

Students who transfer to the Faculty of Arts & Science from Daniels, UTM or UTSC will have all Daniels, UTM, and UTSC CR/NCR options (if any) included in their Arts & Science academic record. These CR/NCR options are counted towards the 2.0 FCE maximum.

The CR/NCR option cannot be used for a course in which a student has committed an academic offence. If a student has specified the CR/NCR option for a course in which an academic offence has been committed, the CR/NCR option will be revoked and the percentage mark will stand as the course mark.

Note to graduating students: The CR/NCR option is only open to degree students. Once students have graduated, they become non-degree students and they may not complete courses on a CR/NCR basis, even if they enrolled in the course before their graduation. For example, if a student is graduating in June and they select the CR/NCR option for a Summer course, or if a student is graduating in November and they select the CR/NCR option for a Fall or Winter course, the CR/NCR option will be removed upon graduation and a percentage mark will appear on the student's record.

The following courses are not eligible to be taken as CR/NCR: courses where an individual student works on independent study or individual research supervised by a professor; Research Opportunity Program (399s)/Research Excursions (398s); First-Year Foundations Seminars; First-Year Foundations Ones Program courses; Rotman Commerce (RSM) courses; field courses; courses evaluated on a Pass/Fail basis. Other approved exceptions will be noted in the course description.

Cancelling Courses or Registration

Cancelling Courses

Students who do not intend to complete a course or courses must cancel the course on ACORN before the final date to cancel courses without academic penalty (see [Sessional Dates](#)). Students still enrolled in a course after the final date to cancel the course will receive a mark for that course (unless [Late Withdrawal](#) is requested). Not attending classes, ceasing to complete further course work, and/or not writing the examination do not constitute grounds for cancellation without academic penalty from a course after the cancellation deadline; the course remains on the record with the mark earned, including a zero for incomplete work.

Students are not permitted to cancel or withdraw from a course in which an allegation of academic misconduct is pending from the time of the alleged offence until the final resolution of the allegation.

Cancelling Registration

Students who wish to cancel all their current courses in the [Fall/Winter Session](#) or in the [Summer Session](#), and who do not intend to enrol in any other courses for the rest of the Session, can cancel their registration on ACORN. If a student is unable to cancel their registration on ACORN, the student can contact their College Registrar's Office.

Cancellation of registration only occurs when all courses are cancelled by the deadline to cancel courses without academic penalty. If any courses remain on a student's record for the academic session – a final mark, [CR/NCR](#), [P/FL](#), [LWD](#) or [WDR](#) – the registration for that Session cannot be cancelled. If a student has a question about a possible refund of their tuition, the student can contact their College Registrar's Office.

When cancelling their registration, students must:

1. Pay any outstanding fees;
2. return any books to the Library and pay any outstanding fines;
3. vacate any laboratory or athletic lockers and return any equipment in their possession.

Please note: Students who have not achieved final standing (a final passing mark/P/CR) in at least one course in the Faculty of Arts & Science who cancel their registration must re-apply for admission through the Ontario Universities Application Centre if they wish to return in the future.

Late Withdrawal After the Drop Date (LWD)

The Faculty of Arts & Science has a mechanism to assist students, in conjunction with their College Registrars, to remedy situations, particularly in their early years at university, where personal or other circumstances mean they are irretrievably behind in a course. Students who have fallen behind with assignments or are not at all prepared to write exams in one or more of courses can contact their College Registrar's Office to discuss a Late Withdrawal After the Drop Date (LWD) from the course.

Degree students in the Faculty of Arts & Science may request Late Withdrawal After the Drop Date (LWD) – to withdraw from a course without petition – from a total of 3.0 Full Course Equivalents (FCE), provided such a request is made by the last day of classes in the relevant term. Non-degree students may also request LWD, provided they do not exceed the 3.0 FCE maximum throughout their combined degree and non-degree studies.

Withdrawals approved under this procedure will be noted on the academic record by the course status LWD. This course status will have no effect on the Grade Point Average (GPA) or other elements of the academic record.

Students seeking to avail themselves of this remedy will be expected to work with their College registrarial advisor to analyze what led to their situation, to discuss what steps they can take to prevent it from happening again, and to learn from their experiences.

Students who transfer to the Faculty of Arts & Science from the University of Toronto Mississauga (UTM), or the University of Toronto Scarborough (UTSC), or the John H. Daniels Faculty of Architecture, Landscape and Design (Daniels) will have all UTM/UTSC/Daniels LWD requests (if any) included in their Arts & Science academic record. These LWD requests are counted towards the 3.0 FCE maximum.

Note that the option for Late Withdrawal is not available if an allegation of academic misconduct is under investigation. If LWD was previously granted in the course, it will be revoked and the percentage grade will stand as the course grade.

Please note: Students who have not achieved final standing (a final passing mark/P/CR) in at least one course in the Faculty of Arts & Science who cancel their registration must re-apply for admission through the Ontario Universities Application Centre if they wish to return in the future. Late Withdrawal (LWD) does not constitute final standing in a course.

Prerequisites, Co-requisites, and Exclusions

Pre-requisites and co-requisites are established by academic units to ensure that students enrolling a course have the necessary academic preparation to be successful. Students are responsible for fulfilling prerequisites and co-requisites, and if they enroll in a course for which they do not have the published prerequisites or co-requisite, it is at the discretion of the academic unit to cancel their enrolment in the course at any time during the enrolment period. If students withdraw from a course they must also withdraw from any course for which it is a co-requisite unless the academic unit offering the latter course agrees to waive the co-requisite.

An exclusion is a course that is deemed to have content that significantly overlaps with another course. Prerequisites, co-requisites, and exclusions will be listed below the course description.

Prerequisite: A course (or other qualification) required as preparation for enrolment in another course. Prerequisites must be completed in advance of enrolment in a course. If students consider that they have equivalent preparation, they may ask the academic unit to waive the stated prerequisite.

Co-requisite: A course to be undertaken concurrently with another course. If a student has previously passed the co-requisite course, the academic unit will waive the co-requisite.

Recommended Preparation: Background material or courses that may enhance a student's understanding of a course, but that are not required for enrolment in the course.

Exclusions: Students may not receive degree credit for a course that lists as an exclusion a course they are currently taking or a course they have already passed. If they enrol in such a course, they may be removed at any time during the enrolment period at the discretion of the department. If allowed to remain enrolled in an excluded course, the second course taken will be designated Extra.

Taking Courses Outside the Faculty

Courses at the University of Toronto Mississauga (UTM), the University of Toronto Scarborough (UTSC), and the John H. Daniels Faculty of Architecture, Landscape, and Design (Daniels)

Students registered in the Faculty of Arts & Science may enrol in most courses offered by UTM, UTSC, and Daniels, provided that they meet the enrolment controls and prerequisites established by those divisions. While still considered an earned credit, any course from UTM/UTSC/Daniels taken in excess of 10.0 FCE will not count toward the 20.0 credits required for a Faculty of Arts & Science degree; the course will be included in the Cumulative Grade Point Average (CGPA) calculation. These courses may also count towards Faculty of Arts & Science program requirements; students should check with the relevant academic unit before enrolling. Faculty of Arts & Science students enrolling in UTM, UTSC, and Daniels courses should also note that, although academic and course refund deadlines may be different for UTM/UTSC/Daniels students, as a Faculty of Arts & Science student they must adhere to all Faculty of Arts & Science deadlines (e.g. enrolment, cancellation, CR/NCR, refund, etc.), with the exception of the start and end of classes.

Non-degree students in the Faculty of Arts & Science may enrol in Arts & Science, UTM, UTSC, and Daniels courses, provided that they meet the enrolment controls and prerequisites established by those divisions.

Graduate Courses Sponsored by a Faculty of Arts & Science Academic Unit

In exceptional circumstances, undergraduate degree students in the Faculty of Arts & Science may be granted permission to count a graduate course sponsored by a Faculty of Arts & Science academic unit toward their undergraduate degree. Students are expected to have already exhausted all undergraduate courses available in the Faculty in the relevant subject area before requesting to enrol in a graduate course

sponsored by a Faculty of Arts & Science academic unit. Note that not all Faculty of Arts & Science academic units will allow undergraduate enrolment in a graduate course, even in exceptional circumstances; others may require a minimum GPA and/or the instructor's permission. Please contact the relevant Graduate Unit for details.

For degree requirement purposes, a graduate course will count as a 400-level course. Permission to count a graduate course toward a student's program requirements is a separate matter and at the discretion of the relevant academic unit.

Courses of Other Divisions at the St. George Campus

Students should select their courses from those offered in the Faculty of Arts & Science. If, however, they identify a course(s) offered in a division, faculty or school of the University (other than the Faculty of Arts & Science, the University of Toronto Mississauga, the University of Toronto Scarborough, or the John H. Daniels Faculty of Architecture, Landscape, and Design, see above), including a graduate course sponsored by an academic unit outside of the Faculty of Arts & Science, that may be appropriate for inclusion in their program(s), they may request permission to enrol or remain enrolled in the course for degree credit. A student will use the form available on the Faculty of Arts & Science website and obtain permission from the division, faculty, or school offering the course, and obtain confirmation from the relevant undergraduate academic unit that the course may be used to fulfil the requirements of one of their programs.

Students should initiate the procedure well in advance of the beginning of classes, so that they may choose alternate courses if permission is not granted. If permission is granted, the academic unit that will count the course towards a program will arrange to enrol the student in the course (unless enrolment has already taken place.)

Non-degree students in the Faculty of Arts & Science may enrol only in Arts & Science, UTM, UTSC, and Daniels courses. They may not request permission from the Faculty to enrol in courses from other divisions.

Courses of Other Universities (Letters of Permission and Transfer Credit)

Degree students with a Cumulative Grade Point Average (CGPA) of at least 1.50 may take a maximum of 5.0 Full Course Equivalents (FCE) elsewhere for transfer credit. Transfer credits received as a result of studies completed on an exchange program are not included in this maximum. Students admitted with transfer credit may be limited in the number of courses that they may transfer after admission, including transfer credits as a result of studies completed on an exchange program, and should consult the Faculty of Arts & Science website.

Prior to taking courses at a Canadian or U.S. university, students are advised to request a Letter of Permission to confirm acceptability of those courses for transfer credit. For other universities, students may submit a request for transfer credit after completing courses elsewhere; note that there is no guarantee that transfer credit will be awarded. Permission obtained from an instructor or from an academic unit for program purposes does not obligate the Faculty to grant transfer credit. Assessments of transfer credit may take several weeks to process depending on the time of year and the nature of the request. Applicants are responsible for submitting requests well in advance of any deadlines they must meet and for obtaining advising as necessary concerning the Letter of Permission and Transfer Credit processes.

Note: Only 1.0 FCE in transfer credit at the 300+ level may be used to satisfy the degree requirement of a minimum of 6.0 FCE at the 300+ level, with the exception of 300+ level transfer credits received as a result of an exchange program. All 300+ level transfer credits received as a result of studies completed on an exchange program can contribute toward the 300+ level degree requirement. Please refer to the Letters of Permission and Transfer Credit (Post-Admission) Guidelines on the Faculty of Arts & Science website.

Fees

Tuition fees normally consist of academic fees and compulsory non-academic incidental fees (which provide access to student services including Hart House, Health Services, Athletics and student organizations). Additional ancillary fees (such as lab fees) may also be billed for enrolment in some specific courses.

More information, as well as the University's policy on ancillary and incidental fees can be found in the [Office of the Vice-Provost, Students website](#).

Any changes to fees (tuition, incidental, or ancillary) are subject to approval by the Governing Council, and come into effect in the Summer session.

More information can be found in the [Office of Student Accounts website](#).

Financial Assistance

A limited number of in-course bursaries, scholarships and awards are available to students who need financial assistance or who qualify for them on the basis of academic merit. Information on these, and the Ontario Student Assistance Program, is available on the following web sites:

- [Faculty of Arts & Science](#)
- [Enrolment Services](#)
- [College Registrars' Offices](#)

Graduation

There are two graduation periods for Faculty of Arts & Science students: June and November. Students can request graduation on [ACORN](#) during the relevant timeframe.

For students graduating in June, only courses completed by the end of the preceding Winter term (ending in April) will be included in the assessment of the student's eligibility to graduate. For students graduating in November, only courses completed by the end of the preceding Summer Session (ending in August) will be included in the assessment of the student's eligibility to graduate.

Prospective graduands receive an email from the Office of Convocation in March (for June graduation) or in October (for November graduation) providing details of the convocation ceremony. The Office of the Faculty Registrar will contact students at least two weeks in advance of the relevant convocation ceremony to confirm their eligibility to graduate.

Recognition of Exceptional Academic Achievement: “High Distinction” and “Distinction”

Students who graduate with a [Cumulative Grade Point Average \(GPA\)](#) * of 3.50 or above are described as graduates “With High Distinction”. This achievement is noted on the diploma and transcript.

Students who graduate with a Cumulative GPA* of 3.20 to 3.49 are described as graduates “With Distinction”. This achievement is noted on the diploma and transcript.

*Note: The Cumulative GPA must be based on at least 5.0 FCE taken for Faculty of Arts & Science degree credit.

Off-Campus Opportunities

Field Courses

Field courses take place away from the university campus, and are sometimes an international opportunity. Most field courses have a very small class size which provides an opportunity for students to interact closely with the course instructor(s), and to collaborate with other students who share the same interests. Field courses are normally held during the Summer session for usually two to three weeks.

A small number of academic units in the Faculty of Arts & Science offer field courses. Please refer to the following websites for information about eligibility, cost and application process.:

- [Department of Anthropology](#)
- [Department of Ecology & Evolutionary Biology](#)
- [Department of Earth Sciences](#)
- [Faculty of Forestry](#)
- [Department of Physiology \(Faculty of Medicine\)](#)

International/Indigenous Course Module

The Faculty of Arts & Science's International or Indigenous Course Module Program (ICMs) provides an opportunity for faculty members to incorporate an intensive international or Indigenous experiential module into the framework of existing undergraduate courses. International opportunities include partnerships developed with Indigenous nations both within Canadian borders and beyond.

For more details, including current opportunities, please refer to the information on the Faculty of Arts & Science [website](#).

Learning Abroad Experiences

There are different types of Learning Abroad Experiences, for Study, Research and Professional experience, in Short-term, Summer, Fall/Winter, or year-long opportunities. For more information, visit the [Learning Abroad website](#).

Professional Experience Year Co-op (PEY Co-op)

The Professional Experience Year Co-op (PEY Co-op) Internship Program provides students with an opportunity to gain industry experience in a field related to their academic program. The PEY Co-op program consists of a 12 – 16 month, full-time paid internship, beginning between May and September and ending the following year. The length of the internship allows sufficient time for students to undertake substantive projects and to be involved in challenging and productive work. As a result of the experience, students return to their studies with a greater understanding of their discipline from a practical, hands-on perspective. Students registered in the PEY Co-op program also participate in an intensive student development program, consisting of a variety of small and large group workshops, as well as individual career counselling appointments tailored to each student's needs and goals. The objective is for students to acquire knowledge and gain insight that will remain invaluable to their ongoing career development, beyond the academic years.

Students who join PEY Co-op are required to pay a fee upon registration, and those who secure an internship also must pay a placement fee, which is applied to the student's ROSI account in July/August. Students will then be registered in the PEY200Y1 course. Neither the application fee, nor the placement fee is refundable. Part-time incidental fees will also apply to maintain student status and the accompanying benefits. Students who secure a PEY internship must return to full-time studies following the completion of their 12 – 16 month internship. Fourth Year students are not eligible to graduate while their PEY Co-op placement is in progress.

Registration in the PEY Co-op program is open to eligible, full-time Arts & Science and Engineering students, in their Second or Third year of studies. Students must be in good academic standing and must have any outstanding balances paid in full. Due to the time commitment of the PEY Co-op program, the CGPA should be above 2.0. If you do not meet this 2.0 CGPA recommended minimum, we suggest focusing first on your studies, and registering for PEY in the following year.

For detailed PEY eligibility requirements and program timelines, please visit the [Engineering Career Centre/PEY Co-op Office website](#).

Research Excursions Program

The Research Excursions Program provides an opportunity for Arts & Science degree students (St. George) beginning in their third year (i.e., after completing at least 9 but not more than 14 credits) to participate in a practical or experiential research project under the supervision of an Arts & Science faculty member. The research component can take the form of research/learning in archives, laboratories, libraries, or in a field camp, etc.—but not in a classroom at another university (that is covered by the Faculty's summer abroad and exchange programs). The projects run within the May-August period, when both Faculty and students would be able to make the time commitments necessary. Regular tuition fees apply. The Faculty of Arts & Science will cover travel expenses.

For more information, refer to the Faculty of Arts & Science website.

Summer Abroad

The Summer Abroad programs are designed to enrich students' academic lives by providing an exciting and educational international experience. Students complete full-year University of Toronto undergraduate degree credit courses from the Faculty of Arts & Science that are relevant to each location. Relatively small classes (about 25 students on average) are taught by University of Toronto professors or faculty from the host university, for a period of 3 to 6 weeks. All classes, with the exception of language courses, are taught in English. All Summer Abroad courses and grades show on students' transcripts as regular U of T credits and are calculated into their CGPA.

For more information about a list of courses, locations, eligibility, cost and other information, please refer to the [Summer Abroad website](#).

Petitions and Appeals

In This Section:

- [Petitions to the Faculty](#)
- [Types of Petitions](#)
- [Appeals](#)

Students are responsible for observing sessional dates, course prerequisites, and exclusions, satisfying the degree requirements and following the rules and regulations in the Calendar and the Registration Instructions. Failure to follow regulations, requirements and deadlines may result in academic and/or financial consequences or penalties, and failure to inform oneself about these will not be accepted as sufficient excuse to avoid these consequences. Students should always consult their College Registrar immediately for guidance if anything happens that interferes with continuing or completing their courses, or that appears to be contrary to rules, regulations and deadlines.

Special Consideration Requests to Academic Department(s)

Special consideration requests to academic department(s)/unit(s) (sometimes called Academic Appeals) concern issues arising within a course that relate to the pedagogical relationship of the instructor and the student, such as the organization of a course, grading practices, or conduct of instructors. These fall within the authority of the academic unit sponsoring the course and are not the subject of Faculty petitions. Students are encouraged to discuss any issues regarding the academic aspects of a course first with the instructor. It is recommended that such discussions should be documented in writing where appropriate. The successive stages of special consideration request after the course instructor must be documented in writing. These successive stages are: the Undergraduate Coordinator or Associate Chair; the Chair or Program Director of the Academic Unit; then the Office of the Dean, Faculty of Arts & Science. A special consideration request must have been reviewed at the academic unit level before being referred to the Dean's Office; requests to the Dean's Office must be in writing.

Petitions to the Faculty

Petitions to the Faculty concern issues relating to degree requirements, academic regulations, deadlines, examinations, and administrative rules. These may be petitioned to the Faculty, provided the petition is submitted prior to the specified deadlines. The Faculty recognizes that an exception may be required in the face of unpredictable, exceptional circumstances. In submitting a petition to have regulations waived or varied, students must present compelling reasons and relevant documentation, and must demonstrate that they have acted responsibly and with good judgment in attempting to observe Faculty regulations. Students are requested to present their entire case from the outset so their circumstances may be reviewed adequately for an equitable decision. There is no guarantee that a petition will see a successful outcome. If they are considering submitting a petition to the Faculty, students are encouraged to seek academic advising from their College Registrar's Office.

Petitions must 1) state the student's request; 2) provide the reasons why an exception should be made in a clear and concise manner; and 3) be accompanied by relevant supporting documentation. A petition is considered in confidence by the Faculty petitions office on behalf of the Committee on Standing, which is charged with interpreting and administering the regulations of the Faculty.

It is the responsibility of the student to provide a valid UofT email address to which a petition decision may be sent. Only UofT email will be used to reply to petitions. Non-receipt of a decision due to incorrect email address is not grounds for reconsideration.

Deadlines to Submit Petitions

The deadlines for petitions are strictly enforced. If there are compelling reasons why a petition is being submitted after the deadline, the student should explain the reasons for the lateness in their personal statement. The issue of lateness must be satisfactorily resolved before the substance of the petition may be considered. Late petitions without sufficient reason for lateness will not be considered, no matter how compelling.

Petitions for Term Work Extension(s)

The deadline to submit a petition for a term work extension is five working days after the last day of the examination period for the term in question (for term work during the Fall term, the deadline is five working days after the University reopens in January).

Petitions for Deferred Examinations

The deadline to submit a deferred exam petition is five working days after the last day of the examination period for the term in question (for December examinations, the deadline is five working days after the University reopens in January). The deadline to submit a deferred exam petition for a UTM/UTSC course is within 72 hours of a missed examination. Students must submit a petition with their Faculty of Arts & Science College Registrar's Office, with the required supporting documentation.

Petitions/Requests for Outside Centre Examinations

Students must make such requests/petitions at least three weeks prior to the start of the final examination period (see Petitions/Requests for Outside Centre Examinations below).

Petitions for Late Withdrawal Without Academic Penalty

Fall-Winter Session courses: The deadline is the following 15 November

Summer Session courses: The deadline is the following 28/29 February

All documentation supporting petitions must be submitted as soon as possible, and no later than three weeks after the date the student initiates the petition. Students should be aware of the expectations around submission of late petitions or documentation (see Deadlines to Submit Petitions above), and that there is no guarantee of a successful outcome.

Supporting Documentation for Petitions

The Faculty seeks documentation that provides pertinent evidence for decisions determining whether or not an exception should be made to regulations that are designed to ensure equitable treatment for all students. If the reasons cited in a petition are of a medical nature, the preferred medical documentation at the University of Toronto is the University's Verification of Student Illness or Injury Form. Students must submit the original Verification of Student Illness or Injury form when submitting a petition to their College Registrar's office; no faxed or scanned copies will be accepted. This form may only be completed by Dentists, Nurse/Nurse Practitioners, Physicians/Surgeons, Psychologists, Psychotherapists or Social Workers registered and licensed in Ontario and can be found at www.illnessverification.utoronto.ca.

If illness is being presented as the reason for the petition request, the claim of illness itself may not necessarily be sufficient grounds to guarantee approval of the request. All cases are examined in their entirety before a decision is made: an illness or injury's duration and resulting incapacitation are taken into account along with other relevant factors in the context of the course at issue. Note that the physician's report must establish that the patient was examined and diagnosed at the time of illness, not after the fact. If the physician's report does not

explicitly establish this, then the Faculty reserves the right to use its discretion in accepting the report as supporting documentation for a petition.

If the reasons cited for a petition request are of a non-medical nature, then the supporting documentation may come in various forms. Consult with your College Registrar's office and/or the online Petitions Guide for more information on possible types of documentation in other circumstances.

Types of Petitions

Petitions for Term Work Extension(s) (see also Term Work, Tests and Final Exams)

Matters concerning term work normally fall within the authority of the instructor. Students unable to comply with given deadlines must contact their instructor prior to the deadline if an extension to the deadline is being requested. Students should expect no consideration if an issue is raised after the assignment deadline.

Normally, all term work must be submitted by the last day of classes, unless an earlier date has been specified by the instructor. Instructors may grant extensions beyond their own deadlines or beyond the last day of classes up until five working days after the end of the examination period, provided that a student presents legitimate reasons with appropriate documentation as determined by the instructor.

Extensions beyond five business days after the end of the examination period can be approved only through a petition. Such petitions for an extension of time for term work must also be initiated within five business days after the end of the relevant examination period. Late requests will not be considered. Students must file the petition after consultation with the instructor regarding a suitable extension date. The Faculty petitions unit under the authority of the Committee on Standing consults the academic unit concerned for information about the status of the course work, and the steps, if any, that must be taken to complete the course. Students seeking an extension of time for term work are expected to have been in contact with their instructor before the initial deadline and must continue working on the outstanding assignments while they await a decision.

Note that when a term work extension petition has been granted in a course, a notation of "SDF" (standing deferred) will be indicated in place of a course grade. Students who have the notation of SDF on a course and who have earned a Cumulative Grade Point Average (CGPA) of less than 1.50 are strongly encouraged by the Faculty to come up with an academic plan for the term/session in which they will be completing the outstanding work. The Faculty reserves the right to limit registration or course load in a subsequent session for students who have outstanding academic obligations from a previous term/session. Students who find themselves in this situation are strongly encouraged to seek academic advising from their College Registrar's office.

Petitions for Deferred Examinations

Students are expected to write their examinations as scheduled. Only in cases of documented debilitating illness or legitimate conflict should a student request a deferral of a final examination. Students who are too ill and/or incapacitated at the time of the examinations should petition to defer the examination they are unable to attend due to their medical condition. Petitions based on travel, employment, or personal plans will not be considered as students are expected to make themselves available during the published Examination Period to write final examinations.

In response to a petition for a deferred examination, a student may be granted the opportunity to write a special examination at a subsequent examination period or the regular examination in the next offering of the course. Satisfactory documentation must be provided to corroborate illness (see above) to show that the student was examined at the time of the illness.

There is a fee of \$70.00 per deferred examination (maximum \$140.00 for multiple deferral requests in the same petition).

In the petition decision students are notified of the examination period in which the deferred examination will take place, and if the examination will be a regular or special examination. They must register to take the deferred examination and pay the fee by the deadline given, in order that arrangements can be made. The Faculty will notify those who do not register by the deadline that they have lost their privilege of a deferred examination and will revert the mark to one that includes a zero for the final examination. No further consideration will be given.

The Faculty posts, as soon as possible after the regular examinations have been scheduled, personal deferred examination schedules online for students who have paid the deferred examination fee. The table below should be used as a guideline; deferred exams may occur outside of this timeline.

Final Examination	Deferred Examination
April	June examination period, if course is offered in the first term of the Summer (May to June) Usually August examination period for all others; could be December or April the following year
June	August examination period, if course offered in the second term of the Summer (July to August) December examination period, if course offered in Fall term Usually August examination periods for all others; could be April the following year.
August	Usually December examination period; could be February/April the following year.
December	April examination period, if course offered in Winter term Usually February Reading Week for all others; could be December the following year.

Students who must write a deferred examination in a course that serves as a prerequisite for subsequent courses may enrol in those courses provided they obtain the approval of the academic unit concerned and provided the term mark in the prerequisite (deferred) course is at least 60%. If approval from the academic unit is not obtained, there is a risk that students may be removed from the subsequent course during a prerequisite check and reinstatement may not be possible if the course is full.

Students who are not feeling well at the time of an examination must decide whether they are too ill to write. If unsure, they should seek medical advice. Students who become ill during an examination and cannot complete the examination must notify the Chief Presiding Officer at the examination about their situation before they leave the exam hall and should seek immediate medical attention. Students who simply leave the examination hall will be assumed to have completed the examination.

If students decide to write an examination which does not go well, they may not petition for a rewrite or late withdrawal. Arguments after the fact claiming an inability to function at full potential or to exhibit full knowledge of the subject matter will not be accepted as grounds for consideration of a petition concerning poor performance on an examination.

Students who choose to write an examination against medical advice should do so knowing that they may not be given consideration after the examination has been written. Students must not only take responsibility for making appropriate judgments about their fitness to attend examinations, but also must accept the outcome of their choices.

Note that when a deferred examination has been granted in a course, a notation of "SDF" (standing deferred) will be indicated in place of a course grade. A further deferral of an examination is only granted in very exceptional circumstances. Students are charged a further fee of \$70 for each subsequent deferred examination. If the student does not write the deferred examination, the "SDF" notation will be replaced by the original grade with a grade of "0" for the final examination in the calculation of the final grade.

In the event that a further deferral is granted and will be written in a subsequent term/session, the student is strongly encouraged to reduce their course load in that term or session to allow room for preparation of that deferred examination.

Students who have the notation of SDF on a course and who have earned a Cumulative Grade Point Average (CGPA) of less than 1.50 are strongly encouraged by the Faculty to come up with an academic plan for the term/session in which they will be completing the outstanding exam. The Faculty reserves the right to limit registration or course load in a subsequent session for students who have outstanding academic obligations from a previous term/session. Students who find themselves in this situation are strongly encouraged to seek academic advising from their College Registrar's office.

Petitions/ Requests for Outside Centre Examinations

If students have legitimate reasons to be away from campus during a regularly scheduled final exam, they may seek permission to write an examination at an Outside Centre (i.e. an institution or facility other than U of T St. George). If the request is for an online section of a course, then they must work with their College Registrar's office to make the Outside Centre Exam request directly to the Faculty Exams office. If the Outside Centre Exam request is for any other type of course/section (i.e. typical 'in person' section), the student must submit a petition at least three weeks prior to the beginning of the examination period. Late requests cannot be accommodated. Please note that if a student requests/petitions for both an Outside Centre Exam and a deferred exam, they will be charged the deferred examination fee of \$70.00 per examination up to a maximum of \$140.00 for multiple deferral requests in the same petition.

If permission has been granted for the examination to be written at an Outside Centre, students are also responsible for all costs for invigilation, postage/courier, etc. charged by the Outside Centre involved. Students are advised to determine the total cost before petitioning. Such permission is granted only in the most extreme circumstances.

Appeals

Any student looking to appeal a denied request is encouraged to seek academic advising from their College Registrar's office. If a student's initial petition is denied, they may appeal (through the following stepwise processes).

1. Committee on Standing (COS): The Committee on Standing will review an appeal with new information not presented in the original petition request within 90 days of the original petition decision date. Appeals must be submitted to the student's College Registrar's office.
2. Faculty Academic Appeals Board (AAB): In order to appeal a denied COS appeal, students must submit their request in writing to their College Registrar's office within ninety days of the COS decision.
3. Academic Appeals Committee of the Governing Council: In order to appeal a denied AAB appeal, students must submit a Notice of Appeal and other related documents to the Academic Appeals Committee of the Office of Appeals, Discipline and Faculty Grievances (ADFG) of Governing Council in Simcoe Hall within ninety days of the AAB decision. Students considering submitting an appeal to Governing Council should carefully review the instructions outlined here: www.adfq.utoronto.ca/processes/acappeals.htm.

Term Work, Tests, and Final Exams

In This Section:

- [Term Work and Tests](#)
- [Final Exams](#)
- [Reassessment of Term Work, Final Exam or Course Marks](#)

Term Work and Tests

Term Work

Instructors shall return by the deadline one or more marked assignments worth a combined total of at least 10% of the total course mark for H courses and 20% for Y courses. The deadline for returning such marked work is the last regularly-scheduled class meeting prior to the deadline to cancel without academic penalty, with one exception: for courses that run the entire Fall/Winter Session (Y1Y or H1Y courses), the deadline is the last regularly-scheduled class meeting of the first week of classes in January.

Students must submit all term work on or before the last day of classes in the course concerned, unless an earlier date is specified by the instructor. Students who for reasons beyond their control are unable to submit an assignment by its deadline must obtain approval from their instructor for an extension of the deadline. This extension may be for no longer than five business days after the end of the final examination period. If additional time beyond this period is required, students must petition through their College Registrar on or before five business days after the end of the examination period for a further extension of the deadline. (See [Appeals and Petitions](#))

Students are strongly advised to keep rough and draft work and copies of their essays and assignments, as these may be required by the instructor.

All written work that has been evaluated should be returned to the student with such detailed comment as the instructor deems appropriate, and time made available for discussion of it. Any enquiries or appeals about a graded piece of work must be made to the instructor as soon as possible and no later than two weeks after the work was returned. Instructors must keep unclaimed term work for at least six months beyond the end of the course.

Term Work and Term Test Regulations

The following regulations summarize the Faculty's implementation of the University Assessment and Grading Practices Policy, Parts A and B, available on the [Governing Council website](#).

Marking Schemes

As early as possible in each course, and no later than the last date to enrol in the course, the instructor shall make available to the class, and shall file with the division/faculty or academic unit, the course marking scheme, i.e., methods by which student performance shall be evaluated.

This should include whether the methods of evaluation will be essays, tests, class participation, seminar presentations, examinations, or other requirements; the relative weight of these methods in relation to the overall mark; and the timing of each major evaluation.

No essay, test, examination etc. in the marking scheme may be assigned a weight of more than 80% of the course mark. This limit does not apply when an instructor makes an accommodation at a student's request to take into account assessments missed for legitimate, documented reasons.

After the marking scheme has been made known by the last date to enrol in the course, the instructor may not change it or the relative weight of assessments without the consent of a simple majority of students attending the class, provided the vote is announced no later than in the previous class. Any changes must be reported to the division or the academic unit. The only exception to this is in the case of the declaration of a disruption. Please see the University's [Policy on Academic Continuity](#).

In the event that this policy has not been followed, a student should contact their College Registrar's office or the relevant academic unit.

Term Tests

No term test or combination of term tests held in the last two weeks of classes at the end of any term may have a total weight greater than 25% of the final mark. This includes term tests in Y courses held in December, and also includes "take-home tests" and assignments where the topics or questions are both assigned and due with the last two weeks of classes.

All term tests must be held on or before the last day of classes. No term test may be held during Reading Week in November and in February, during the Study Break in April, or during Faculty Examination Periods, except for those in Fcourses scheduled by the Faculty in the December Examination Period.

Missed Term Tests

Students who miss a term test for reasons beyond their control may, no later than one week after the missed test, submit to the instructor or academic unit a request for special consideration. Such request should explain the reason for missing the test, and should include appropriate documentation, such as the Verification of Illness or Injury form (www.illnessverification.utoronto.ca).

A student whose special consideration request is granted by the academic unit will be entitled to a) a make-up test, or b) a re-weighting of the missed test to remaining term work and/or final exam in the course. If the student misses the remaining term work and provides legitimate grounds, the full percentage weight of the missed work may be allocated to the final exam.

Note that the weight of a final exam in a 100-level course may not be increased beyond 80% as an initial accommodation for a legitimate absence. However, if the student misses the make-up opportunity or subsequent test that was to be re-weighted, then the weight of the final exam may be increased beyond 80%.

In courses where the mid-term test is the only marked term work in the course other than the final examination, an initial make-up test opportunity normally must be given. Instructors may use their discretion, but typically students are not automatically entitled to a second make-up test opportunity. The academic unit will determine what consideration is appropriate for a student who misses a make-up test for legitimate reasons. Furthermore, it is important to note that a student who misses a term test cannot claim that as grounds (i.e. no term work was returned before the drop date) for a successful late withdrawal petition.

Final Exams

Faculty Final Examinations

A Faculty final examination counting for between one-third and two-thirds of the final mark must be held in each 100-series course, unless exemption has been granted by the Faculty of Arts & Science. In 200-, 300- and 400-series courses, the Departments will decide whether or not an examination is appropriate. Courses in the 200-series will normally have a final examination. The ratio of term work to examination will be the same for all sections of multi-section courses that have final examinations. The relative value of each part of a written examination must be indicated on the question paper.

Final examinations are held at the end of each term. Students taking courses during the day may be required to write evening examinations, and students taking evening courses may be required to write examinations during the day. Examinations may be held on Saturdays. Students who make personal commitments during the examination period do so at their own risk. No special consideration is given and no special arrangements are made in the event of conflicts resulting from personal commitments.

Students who are unable to write their examinations due to illness, etc., should contact their College Registrar (see "Petitions for Deferred Examinations", below).

Students who have two Faculty final examinations in the same time slot, or three consecutive Faculty final examinations (e.g., morning, afternoon, evening; or afternoon, evening, next morning), should submit a [Final Examinations Conflict form](#) using their University of Toronto email account to examconflicts.artsci@utoronto.ca.

Students who cannot write a final examination at the scheduled time due to a religious obligation should submit a [Final Examinations Conflict form](#) using their University of Toronto email account to examconflicts.artsci@utoronto.ca as soon as the conflict is known, and no later than the deadline shown on the examination schedule.

Information regarding dates, times and locations of examinations will not be given by telephone or email; for the most up to date examination timetable consult the Faculty's [current students web site](#).

Rules of Conduct for Examinations

1. No person will be allowed in an examination room during an examination except the candidates concerned and those supervising the examination.
2. Students are expected at the examination room at least twenty minutes before the commencement of the examination.
3. Students shall bring their photo identification (signed Photo ID - the picture must be clearly visible for identification purposes) and place it out in the open on their desks. Photo identification may include any one of the following, as long as it contains a current photo and a signature:
 - A) current University of Toronto Photo ID (TCard); or
 - B) up-to-date Passport (any country); or
 - C) current Driver's License (any country); or
 - D) government issued photo ID (any province or territory)
4. Students shall place their non-smartwatch or timepiece on their desks – if the CPO cannot tell if it is wireless or Bluetooth capable, they will ask for it to be placed under the desk.
5. All coats and jackets should be placed on the back of each Student's chair. All notes and books, pencil cases, cell phones (turned off), laptops, any other electronic devices or unauthorized aids, and smaller bags like purses should be stored inside the student's knapsack or large bag, which should then be closed securely and placed under candidate's chair. Students may not have a pencil case on their desk and any pencil cases found on desks will be searched and placed under the chair. All watches and timepieces on desks will be checked. Students are not allowed to touch their knapsack or bag or the contents until the exam is over. Students are not allowed to reach into the pockets or any part of their coat or jacket until the exam is over.
6. The Chief Presiding Officer has authority to assign seats to students.
7. Students shall not communicate with one another in any manner whatsoever during the examination. Students may not leave the examination room unescorted for any reason, and this includes using the washroom.
8. No materials or electronic devices shall be used or viewed during an examination, except those authorized by the Chief Presiding Officer or Examiner. Unauthorized materials include, but are not limited to: books, class notes, or aid sheets. Unauthorized electronic devices include any device that has internet/wireless/Bluetooth connectivity or otherwise may communicate with another person or device outside the exam hall. The most obvious examples include cell phones, tablets/laptops, smart technology including smart watches or fitness devices with connectivity, and so forth.
9. Students who use or view any unauthorized materials or electronic devices while their examination is in progress - or who assist or obtain assistance from other candidates or from any unauthorized source - are liable to academic penalties under the Code of Behaviour on Academic Matters which can be severe.
10. In general, students will not be permitted to enter an examination room later than thirty minutes after the commencement of the examination, nor leave until at least half an hour after the examination has commenced. Any exception to this rule is made by the Chief Presiding Officer, and the Chief Presiding Officer will set the conditions for such an exception.
11. Students shall remain seated at their desks during the final ten minutes of each examination.
12. At the conclusion of an examination, all writing shall cease. The Chief Presiding Officer may seize the papers of students who fail to observe this requirement, and a penalty may be imposed.
13. Examination papers, books and other material issued for the examination, shall not be removed from the examination room except by authority of the Chief Presiding Officer.
14. The University is not responsible for personal property left in examination rooms.

Reassessment of Term Work, Final Exam or Course Marks

Requests for Re-marking of Term Work

A student who believes an individual item of work has been incorrectly or unfairly marked may request that it be remarked. Such requests should be made initially to the instructor in the course as soon as possible after the work was returned, and no later than two weeks after it was returned.

If an instructor refuses the request to remark a piece of work, or if the student believes the remarking was incorrect or unfair, the student may appeal to the Undergraduate Coordinator (e.g. Associate Chair who is acting on behalf of the Chair) of the academic unit sponsoring the course.

Requests for re-marking beyond the academic unit should be made to the Office of the Dean. Such requests about the marking of term work must be made in writing. They will be reviewed to ensure that appropriate procedures have been followed in earlier requests, that the student has been treated fairly, and that the standards applied have been consistent with those applied to other students doing the assignment. The Office of the Dean is the final level of requests for re-marking in the Faculty of Arts & Science; no further level of request is possible.

A request for re-grading of a mark beyond the instructor for term work may only be made for an item worth at least 20% of the course mark.

All requests beyond the instructor must be made in writing in a timely manner, and no later than two weeks after the work was returned, explaining why the student believes the mark was inappropriate and summarizing all previous communications in the matter.

Students making a request for remarking must accept that the resulting mark will become the new mark, whether it goes up or down or remains the same.

Requesting a Recheck of Calculation of a Course Mark

If a student believes that there has been an arithmetical error in calculating the course mark, a recheck can be requested. A recheck can be requested with or without requesting a photocopy or viewing of the final examination. The student must fill out a "Request for Recheck of Course Mark" form and submit it to the Office of the Faculty Registrar within six months of the final examination (see list of deadlines below). Whenever possible, the student should indicate precisely the location of the possible error. The academic unit concerned will check that the examination marks have been added correctly; the examination will not be reread. The academic unit will also check that all term work marks have been correctly calculated. There is no fee for the recheck of a course mark. If the mark is changed as a result of this review, any fees paid for an exam photocopy will be refunded.

Requesting a Reread of Faculty Final Examination

If a student believes that a final examination has been incorrectly marked in its substance, or that a portion of an examination has not been marked, a reread of the final examination may be requested. The student must first purchase a photocopy or request a supervised viewing of the exam. Once the exam has been reviewed by the student, a "Request for Reread of Final Examination" form must be submitted to the Office of the Faculty Registrar within six months of the final examination (see list of deadlines below). The student must demonstrate that that examination answers are substantially correct by citing specific instances of disagreement, supported by such documentary evidence as course handouts, textbooks, lecture notes, etc. The student must do more than simply assert that "I disagree with the marking," or that "I believe I deserve more marks." The academic unit concerned will reread the examination in light of the arguments presented. There is a \$36.00 fee for this procedure, which is in addition to the fee of \$15.00 charged for a photocopy of the final examination. If the mark is changed as a result of this review, both the photocopy fee (if paid) and the reread fee will be refunded. It should be noted that when a course is failed, the examination must be reread before the mark is reported.

NOTE: A recheck or reread may result in a raised mark, a lowered mark, or no change. By requesting a reread or recheck a student agrees to abide by the outcome.

For some examinations, particularly those with multiple-choice questions and/or those designed to be read mechanically, there may be an answer key that is essential to the understanding of the marking of the examination. In such cases, an answer key should be included with the photocopy of the exam. If it is not, the student may contact the relevant department to see if one is available.

Forms are available at the Office of the Faculty Registrar, or [online](#).

Deadlines for requesting a recheck or a reread	
February examinations	The following August 31
April examinations	The following October 31
June examinations	The following January 15
August examinations	The following February 28/29
December examinations	The following June 30

Sessional Dates

- [2019 Summer Session Dates](#)
- [2019 Fall Term Dates](#)
- [2020 Winter Term Dates](#)
- [2020 Summer Session Dates](#)

2019 Summer Session

April 2019	
23	Tuition fee payment (or official deferral) deadline for 2019 Summer session. (Please visit the Student Accounts website for detailed fee schedules.)
May 2019	
6	Classes begin in F and Y section code courses
7	Last day to file a petition regarding a final examination in 2019 Winter session S courses Last day to file a petition regarding term work for 2019 Winter session S courses
9	Waiting lists for F/Y section code courses close at end of day
12	Last day to enrol in F/Y section code courses via ACORN
20	Victoria Day; University closed
June 2019	
4	Last day to drop F section code courses from academic record and GPA. After this deadline a mark is recorded for each course, whether course work is completed or not (a 0/zero is assigned for incomplete work), and calculated into the GPA. Note that some courses cannot be cancelled using ACORN and students must contact their College or Department to do so; refer to the Course Enrolment Instructions. Last day to add or remove a CR/NCR option in F section code courses.
14	Classes end in F section code courses Deadline to request Late Withdrawal (LWD) from F section code courses at College Registrar's Office
4-14	Arts & Science Spring Convocations. (Please check "Ceremony Dates" at www.convocation.utoronto.ca .)
17	Make-up day for Monday classes (Summer F section)
18	Study break day for F and Y section code courses.
19-26	Final examinations in F section code courses, deferred examinations in specified S section code courses from April 2019; term tests in Y section code courses
19-28	Course break for Y section code courses
July 2019	
1	Canada Day; University closed
2	Classes begin in S section code courses and resume in Y section code courses
4	Waiting lists for S section code courses close at end of day Last day to file a petition regarding a final examination in 2019 summer session F section code courses. Last day to file a petition regarding term work for 2019 summer session F section code courses
8	Last day to enrol in S courses via ACORN
15	Last day to drop Y section code courses from academic record and GPA. After this deadline a mark is recorded for each course, whether course work is completed or not (a 0/zero is assigned for incomplete work), and calculated into the GPA. Note that some courses cannot be cancelled using ACORN and students must contact their College or Department to do so; refer to the Course Enrolment Instructions. Last day to add or remove a CR/NCR option in Y section code courses.
29	Last day to drop S section code courses from academic record and GPA. After this deadline a mark is recorded for each course, whether course work is completed or not (a 0/zero is assigned for incomplete work), and calculated into the GPA. Note that some courses cannot be cancelled using ACORN and students must contact their College or Department to do so; refer to the Course Enrolment Instructions. Last day to add or remove a CR/NCR option in S section code courses.
August 2019	
5	Civic holiday; University closed

12	Classes end in S and Y section code courses; deadline to request Late Withdrawal (LWD) from S and Y section code courses at College Registrar's Office
13	Make-up day for Monday classes (Summer S and Y section)
14	Study break for S and Y section code courses.
15-22	Final examinations in S and Y section code courses, deferred examinations from April 2019, and specified courses from June 2019
29	Last date to file a petition regarding term work in 2019 summer session S or Y section code courses Last date to file a petition regarding a final examination in 2019 summer session S or Y section code courses

2019 Fall Term

August 2019	
28	Tuition fee payment (or official deferral) deadline for 2019-20 Fall/Winter session. (Please visit the Student Accounts website for detailed fee schedules.)
September 2019	
2	Labour Day; University closed
5	Classes begin in F and Y section code courses
13	Waiting lists for F and Y section code courses close at end of day
18	Last day to enrol in F/Y courses via ACORN Last day to enrol in programs of study for 2019-20 Fall/Winter Program/course Fee Freeze date (F+Y courses)
October 2019	
14	Thanksgiving holiday; University closed
TBD	Fall 2019 Examination Timetable posted
November 2019	
4	Last day to drop F section code courses from academic record and GPA. After this deadline a mark is recorded for each course, whether course work is completed or not (a 0/zero is assigned for incomplete work), and calculated into the GPA. Note that some courses cannot be cancelled using ACORN and students must contact their College or Department to do so; refer to the Course Enrolment Instructions. Last day to add or remove a CR/NCR option in F section code courses.
4-8	Fall reading week (no classes)
TBD	Arts & Science Fall Convocations. (Please check "Ceremony Dates" at www.convocation.utoronto.ca.)
December 2019	
4	Classes end in F section code courses and in Y section code courses (for Fall session)
5	Make-up day for Monday classes in F and Y section code courses (at instructor's discretion) Deadline to request Late Withdrawal (LWD) from F section code courses at College Registrar's Office
6	Study break
7-20	Final examinations in F section code courses, and some deferred exams from August 2019; term tests in Y section code courses. Please note that exams may be scheduled on Saturdays.
23	University closed for Winter Holidays from December 23, 2019 to January 3, 2020 inclusive. Winter (S&Y) classes resume for students on January 6, 2020.

2020 Winter Term

January 2020	
6	University re-opens after Winter Holidays; classes in S section code courses begin and resume in Y section code courses
10	Last day to file a petition regarding term work in 2019 Fall session F section courses
	Last day to file a petition regarding a final examination in 2019 Fall session F section courses
16	Waiting lists for S section code courses close at end of day
19	Last day to enrol in S courses via ACORN
	Program/Course fee freeze date (S courses)
February 2020	
17	Family Day; University closed
17	Last day to drop Y section code courses from academic record and GPA. After this deadline a mark is recorded for each course, whether course work is completed or not (a 0/zero is assigned for incomplete work), and calculated into the GPA. Note that some courses cannot be cancelled using ACORN and students must contact their College or Department to do so; refer to the Course Enrolment Instructions.
	Last day to add or remove a CR/NCR option in Y section code courses.
	17-21 Reading Week; some deferred examinations from December 2019
TBD	Winter 2020 Examination timetable posted
March 2020	
15	Last day to drop S section code courses from academic record and GPA. After this deadline a mark is recorded for each course, whether course work is completed or not (a 0/zero is assigned for incomplete work), and calculated into the GPA. Note that some courses cannot be cancelled using ACORN and students must contact their College or Department to do so; refer to the Course Enrolment Instructions.
	Last day to add or remove a CR/NCR option in S section code courses.
April 2020	
3	Classes end in S and Y section code courses; deadline to request Late Withdrawal (LWD) from S and Y section code courses at College Registrar's Office
6-25	Final examinations in S and Y section code courses and some deferred examinations from December 2019. Please note that exams may be scheduled on Saturdays.
10	Good Friday; University closed

2020 Summer Session

(Dates will be updated as they are confirmed during the Fall 2019 Term.)

April 2020	
TBD	Tuition fee payment (or official deferral) deadline for 2019 Summer session. (Please visit the Student Accounts website for detailed fee schedules.)
May 2020	
TBD	Classes begin in F and Y section courses
18	Victoria Day; University closed
June 2020	
TBD	Last day of F section courses
TBD	Study break for F and Y section courses
TBD	Final examinations in F section courses; midterm tests in Y section courses
TBD	Arts & Science Spring Convocation. (Please check "Ceremony Dates" at www.convocation.utoronto.ca .)
July 2020	
1	Canada Day holiday; University closed
TBD	Classes begin in S section courses
August 2020	
3	Civic holiday; University closed
TBD	Classes end in S and Y section courses
TBD	Study break for S and Y section courses
TBD	Final examinations in S and Y section courses

Rights & Responsibilities

Student Rights and Responsibilities

As members of the University of Toronto community, students assume certain responsibilities and are guaranteed certain rights and freedoms.

The University has several policies that are approved by the Governing Council and which apply to all students. The University will assume that each student has become familiar with the policies. The rules and regulations of the Faculty of Arts & Science are listed in this calendar. In applying to the Faculty, the student assumes certain responsibilities to the University and the Faculty and, if admitted and registered, will be subject to all rules, regulations and policies cited in the calendar, as amended from time to time.

A directory of the policies, guidelines and resources that relate to your conduct as a student at the University of Toronto can be found on the [Office of the Vice-Provost, Students website](#).

All University policies can be found in the [Governing Council Policies website](#).

E-Mail Address

Students of the University of Toronto have access to the Information Commons, which is their passport to their University of Toronto affiliated e-mail, libraries and Internet access while on campus. Once a student has their TCard, they must activate their University of Toronto e-mail account. Setting up a UTmail+ account is mandatory; see "[University Policy on Official Correspondence with Students](#)"

Mailing Address

Address information (mailing and permanent) must be viewed and updated on ACORN. It is the student's responsibility to ensure that the mailing address is kept up-to-date on [ACORN](#).

Sanctions on Account of Outstanding Obligations

As per the Governing Council's policy on [Academic Sanctions for Students who have Outstanding University Obligations](#), the following are recognized University obligations:

- tuition fees
- academic and other incidental fees
- residence fees and other residence charges
- library fines
- Bookstore accounts
- loans made by colleges, faculties or the University
- Health Service accounts
- unreturned or damaged instruments, materials and equipment
- orders for the restitution, rectification or the payment of damages, fines, bonds for good behaviour, and requirement of public service work imposed under the authority of the Code of Student Conduct.

The following academic sanctions are imposed on Arts & Science students who have outstanding recognized University obligations:

- Official transcripts of record will not be issued.
- The University will not release the diploma nor provide confirmation of degree status to external enquirers.
- Graduands who have an outstanding balance will be allowed to walk on stage and have their names appear on the convocation program but will not receive their diploma until their account is paid.
- Registration will be refused to a continuing or returning student.
- Official letters (e.g., confirmation of graduation, QECO) will not be issued.
- Education verifications may not be issued.

Payments made by continuing or returning students will first be applied to outstanding University debts and then to current fees.

Scientific Observations

In biological and science programs, there may be occasions when scientific observations are made by students on themselves or on fellow students. These include common diagnostic or immunization procedures. Unless a valid reason exists, students are expected to participate in such exercises. If any investigative work involving student participation does not form part of the program, participation is voluntary.

Academic Record

Students are able to check their course results, grade point averages, and academic standing by accessing their academic record online through ACORN. Final course results will be available for viewing on ACORN as soon as possible after they are received and posted by the Office of the Faculty Registrar. Note that academic status is only assessed at the end of the Fall/Winter session and the end of the Summer session.

Students not in good standing (i.e. on probation, or suspended, or refused further registration) will receive notification by email to their UTMail+ account.

The University's Policy on Access to Student Academic Records can be found on the [Governing Council website](#).

TCard

The TCard is the official University of Toronto student ID card, bearing student information including name, student number, and image. It serves various functions, including library card, meal plan card & access card (if applicable). It is used for identification purposes within the University, such as Faculty examinations, student activities, and Athletic Association privileges.

Detailed Information about the TCard, such as applying for a new card, reporting a loss card, and usage can be found in the [TCard Office website](#).

Transcripts and Course Descriptions

The transcript of a student's record reports their complete registration history at the university including courses in progress and the standing in all courses attempted along with course average, information about the student's academic standing including records of suspension and refusal of further registration, any current academic sanctions if relevant, completion of program(s) at the time of graduation, and conferral of the degree.

The University of Toronto issues consolidated transcripts, including a student's total academic record at the University. However, graduate students who were previously enrolled at the University of Toronto as an undergraduate student may request that only the graduate portion of their record be issued. Students may request their transcript online on [ACORN](#). Further information can be obtained on the [Transcript Centre Office's website](#). Copies of course descriptions are issued at the student's request.

University Rights and Responsibilities

Changes in Programs of Study and/or Courses

The programs of study and courses that are listed in our Calendar are available for the year(s) to which the Calendar applies. They may not necessarily be available in later years or offered in all years. If the University or the Faculty must change the content of programs of study or courses or withdraw them, all reasonable possible advance notice will be given. The University will not, however, be liable for any loss, damages, or other expenses that such changes might cause.

For each program of study offered by the University through the Faculty, the courses necessary to complete the minimum requirements of the program will be made available annually. The Faculty reserves the right otherwise to change the content of courses, instructors and instructional assignments, enrolment limitations, prerequisites and co-requisites, grading policies, requirements for promotion and timetables without prior notice.

Copyright in Instructional Settings

If a student wishes to tape-record, photograph, video-record or otherwise reproduce lecture presentations, course notes or other similar materials provided by instructors, they must obtain the instructor's written consent beforehand. Otherwise all such reproduction is an infringement of copyright and is absolutely prohibited.

Note that where such permission is granted by the instructor, materials reproduced are for the student's individual private use only, not for further reproduction or publication.

In the case of private use by students with disabilities, the instructor's consent will not be unreasonably withheld.

Enrolment Limitations

The University makes every reasonable effort to plan and control enrolment to ensure that all of our students are qualified to complete the programs to which they are admitted, and to strike a practicable balance between enrolment and available instructional resources. Sometimes such a balance cannot be struck and the number of qualified students exceeds the instructional resources that we can reasonably make available while at the same time maintaining the quality of instruction. In such cases, we must reserve the right to limit enrolment in the

programs, courses, or sections listed in the Calendar, and to withdraw courses for which enrolment or resources are insufficient. The University will not be liable for any loss, damages, or other expenses that such limitations or withdrawals might cause.

Fees and Other Charges

The University reserves the right to alter the fees and other charges described in the Calendar by approval of the Governing Council.

Notice of Collection of Personal Information: Freedom of Information and Privacy Act

The University of Toronto respects your privacy.

Personal information that you provide to the University is collected pursuant to section 2(14) of the University of Toronto Act, 1971.

It is collected for the purpose of administering admissions, registration, academic programs, university-related student activities, activities of student societies, safety, financial assistance and awards, graduation and university advancement, and reporting to government.

The University is also required to report student-level enrolment-related data to the Ministry of Training, Colleges and Universities as a condition of its receipt of operating grant funding. The Ministry collects this enrolment data, which includes limited personal information such as Ontario Education Numbers, student characteristics and educational outcomes, in order to administer government postsecondary funding, policies and programs, including planning, evaluation and monitoring activities.

At all times it will be protected in accordance with the Freedom of Information and Protection of Privacy Act. If you have questions, please refer to www.utoronto.ca/privacy or contact the University Freedom of Information and Protection of Privacy Coordinator at McMurrich Building, room 104, 12 Queen's Park Crescent West, Toronto, ON, M5S 1A8.

Person I.D. (Student Number)

Each student at the University is assigned a unique identification number. The number is confidential. The University strictly controls access to Person I.D. numbers. The University assumes and expects that students will protect the confidentiality of their Person I.D.'s.

299/398/399 (Faculty of Arts & Science Programs)

Research Opportunity Program: 299Y1/399Y1 Courses

Director: Pamela Klassen, Vice-Dean, Undergraduate & International
deb.shaw@utoronto.ca (416-978-0359)

The Research Opportunity Program (ROP) provides an opportunity for Arts & Science (St. George) degree students in their second and third year (i.e., after completing at least 4 but not more than 14 credits) to earn one course credit by participating in a faculty member's research project. Each 299Y1/399Y1 course has a program-specific designator, such as ANT, CLA, CSB, VIC, etc. Not all departments or programs will necessarily participate in the ROP each year.

Descriptions of ROP projects are available [on the Faculty's web site](#) mid-February. Students wishing to participate should email online ROP Application forms to deb.shaw@utoronto.ca by the due date indicated on the website.

Students can apply to a maximum of three ROPs in total, but can accept only one 299Y1 project and one 399Y1 project the following year. Students may not participate in a 299Y1 and a 399Y1 in the same Academic year or with the same Faculty supervisor. Students are informed in mid-April whether they have been accepted. Successful applicants are registered by the ROP office. Summer tuition fees apply for Summer ROP enrollment.

Students are expected to keep a journal recording meetings, progress, and what was learned about the project in particular and the nature of research in general.

Research Excursions: 398H0/398Y0 Courses

Director: Pamela Klassen, Vice-Dean, Undergraduate & International
deb.shaw@utoronto.ca (416-978-0359)

The 398 Research Excursions (REP) provides an opportunity for Arts & Science (St. George) degree students in their third year (i.e., after completing at least 9 but not more than 16 credits) to participate in a practical or experiential activity under the supervision of a faculty member. The practical, experiential component can take the form of research/learning in archives, laboratories, libraries, or in a field camp, etc.—but not in a classroom at another university (that is covered by the Faculty's summer abroad and exchange programs). The projects run within the May-August period, when both Faculty and students would be able to make the time commitments necessary. Regular tuition fees apply.

Each 398H0/398Y0 has a program-specific designator, such as ANT, CLA, CSB, VIC, etc., and would be eligible to count towards program completion if the program sponsor (Chair or Director) so

chooses. A limited number of 398H0/398Y0 courses are available each year. Faculty supervisors propose the projects and choose the students who apply.

Students must also attend a Safety Abroad workshop through the Safety Abroad Office. Descriptions of the projects are available [on the Faculty's web site](#) in early January.

Applications are available online and must be emailed to the supervising instructor by the due date listed on the website. Students are informed in mid-March whether they have been accepted. Successful applicants are registered by the 398 office.

Faculty of Arts & Science-Funded International Programs

Director: Pamela Klassen, Vice-Dean, Undergraduate & International
 Administrative Contact: Deborah Shaw, Teaching and Learning, deb.shaw@utoronto.ca (416-978-0359)

In an effort to provide opportunities to as many students as possible, for Faculty of Arts & Science funded programs priority will be given to those students who have not previously received funding for these programs. All participants must be current Arts & Science (St. George) degree students in good standing, and their eligibility must be confirmed by the Dean's Office prior to acceptance to the international program. Participation in a Faculty-funded program does not affect participation in Summer Abroad or student exchange opportunities.

International/Indigenous Course Module

The Faculty of Arts & Science's [International/Indigenous Course Modules \(ICM\) program](#) provides an opportunity for faculty members to incorporate an intensive international experiential module into the framework of existing undergraduate courses. The ICM is designed to enhance students' classroom learning in a wide range of areas through the application of course content to relevant settings and communities around the globe. ICMs are selected in late May and take place over Reading Week the following November or February. Students' participation in the ICM is incorporated into their final course grade. In many cases, ICM participants share their experiences with the wider Arts & Science community through publications, presentations or web-based resources.

Locations: Courses and locations for Reading Week in the upcoming November or February will be posted in June on the International Programs and Partnerships website and in the Calendar for each course that includes an ICM.

Courses: Past ICMs have examined the role of political changes in the Republic of Georgia, geologic evolution and mining in Spain, historical biography in Uganda and urbanization in China.

Cost: The Faculty of Arts & Science provides funding for students and faculty airfare, accommodation and local transportation.

Eligibility: A limited number of ICMs are available and the program is only available to undergraduate Arts & Science (St. George) degree students enrolled in the course(s) in which the module is proposed.

Application: To apply for this year's ICMs, please refer to the course listing for that ICM. If you are interested in working with a faculty member to create an ICM for a course, please consult the

International Programs and Partnership website for further information.

For further information please contact: Deborah Shaw at [\(416-978-0359\)](mailto:deb.shaw@utoronto.ca)

Dean's Fund for International and Indigenous Initiatives

The [Dean's Fund for International and Indigenous Initiatives \(DFIII\)](#), formerly the Dean's International Initiatives Fund (DIIF), supports the development of new and creative international activities in areas of need not already addressed by existing programming (Research Excursions (398), International and Indigenous Courses, Undergraduate Research Fund, Summer Abroad, etc.). The goal of the DFIII is to leverage Faculty resources to provide a broad range of international opportunities for Arts and Science students.

Please note: In support of International Opportunities, the Dean's Office has partnered with the Professional and International Programs (PIP) office at Woodsworth College to provide integrated logistical support. The International Programs Coordinator can assist with booking and arranging for payment, whenever possible, for transportation, accommodation, and venue admission.

Locations: Locations for DFIII projects have been around the world, but most often take place in locations that are not available through other U of T or Faculty of Arts & Science international programs.

Courses: DFIII projects may be for academic credit or co-curricular, but must be academically focused.

Cost: Funding is available to students and faculty members through a competitive application process. The Faculty of Arts & Science provides funding to cover students' airfare, accommodation and related costs.

Eligibility: A limited number of DFIII projects are available each year and the program is only available to undergraduate Arts & Science (St. George) degree students. Students must be currently enroled or demonstrate their intention to return to U of T for further study at the time of the DFIII project.

Application: Students may apply for funding through their academic department, program or College. Application details are available at the [International Programs and Partnerships website](#).

For further information please contact: Deborah Shaw at [\(416-978-0359\)](mailto:deb.shaw@utoronto.ca)

Undergraduate Research Fund

The [Undergraduate Research Fund \(URF\)](#) is funded jointly by the Arts & Science Students' Union (ASSU) and the Faculty of Arts & Science. It provides funding for students to develop a research project of their own, for which there is no other available funding. The fund is open to all Arts & Science undergraduate students in good academic standing and no minimum GPA is required. Research projects must be initiated by students, related to their degree, and supervised by a faculty member with a continuing appointment in the Faculty of Arts and Science either through a regular course, an independent study, a research essay, or other academic project.

Locations: Open, URF projects can be in Canada or locations internationally.

Courses: Research projects may be incorporated into a regular course, an independent study, a research essay, or other academic project.

Value: The URF provides basic funding to support student research up to \$2,500.

Eligibility: must be current undergraduate degree student(s) in the Faculty of Arts & Science and must be registered as such during the period in which the research will be conducted; must be in good academic standing.

Application: For application forms and further information, please see the URF website: www.artsci.utoronto.ca/current/scholarships/undergraduate-research-fund

For further information please contact: undergrad.awards@artsci.utoronto.ca

Academic Bridging Program

Faculty List

Director

T. Socknat, MA, Ph D

Associate Professors, Teaching Stream

W. B. MacDonald, BA, MA

T. Moritz, MA, Ph D

J. B. Rose BA, MA

Introduction

The Academic Bridging Program allows individuals, who have been away from formal education for some time and are at least 19 years of age, to pursue degree studies at the University of Toronto. The courses in the program are designed to help ease the transition into first-year university courses in Humanities and Social Sciences after time away from prior education.

Courses feature study skills, essay writing skills, library research skills and the methodology of the specific academic discipline involved. Students are admitted by Woodsworth College to one of five Academic Bridging Program courses: WDW101Y1 (Canadian History), WDW102Y1 (Contemporary Canada), WDW103Y1 (Introduction to the Study of Literature) WDW104Y1 (Introduction to Environmental Studies) and WDW105Y1 (Indigenous Cultures and Societies). Both part-time and full-time options are available to students.

Students who successfully complete the Academic Bridging Program, earning a grade of 63% or above, are admitted to the Faculty of Arts and Science, at the University of Toronto, with at least one full credit towards their degree for those who complete the part-time Academic Bridging Program. Students who complete the full-time program may transfer up to two full credits towards their degree.

Program Learning Objectives

Develop Academic Skills:

- students learn clear, mature and reflective spoken and written communication
- students learn critical analytical reading, thinking and writing
- students learn basic information literacy and good academic work habits and study skills

Understand University Culture:

- students learn appropriate classroom protocol
- students learn to use classroom technology
- students learn to access university resources

Enhance Life Skills:

- students learn to assess their personal and academic strengths and weaknesses, and readiness for university
- students learn to develop an appreciation of lifelong learning in and out of the classroom
- students learn to think and act independently and responsibly

Enquiries:

Millie Rotman Shime Academic Bridging Program

Woodsworth College

119 St. George Street, Room 220

Toronto, Ontario

M5S 1A9

t: 416-978-4444

e: academic.bridging@utoronto.ca

w: [Academic Bridging Program \(<http://www.wdw.utoronto.ca>\)](http://www.wdw.utoronto.ca)

Academic Bridging Program Courses

WDW101Y1 - Canadian History

Previous Course Number: JWH100Y1

Hours: 72L

This introductory, foundational course is a survey of Canada's political, social, and economic history with special attention to its evolution as a diverse, multicultural nation from European roots. Other themes focus on Canada's native peoples, regionalism, immigration/migration issues, and Canada's role on the international stage, especially relations with Britain and the United States. Not eligible for CR/NCR option.

Exclusion: JWH100Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

WDW102Y1 - Contemporary Canada

Previous Course Number: JWU100Y1

Hours: 72L

This interdisciplinary, foundational course provides an introduction to contemporary Canadian society. The course includes the study of geography, politics, literature and culture through a historical framework of the twentieth century. It also emphasizes particular themes including indigenous issues, Quebec nationalism, gender/women's issues and immigration/multiculturalism. Not eligible for CR/NCR option.

Exclusion: JWU100Y1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

The program is offered in the Fall, Winter and Summer sessions. To find out more about the program please contact the Academic Bridging Program office.

WDW103Y1 - Introduction to the Study of Literature

Previous Course Number: ENG185Y1

Hours: 72L

This discipline based, writing intensive course introduces essential rhetorical and critical skills, focusing on how to recognize major literary forms and how to read and analyze outstanding classic and contemporary literary works of drama, poetry and fiction. Not eligible for CR/NCR option.

Exclusion: ENG185Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

WDW104Y1 - Introduction to Environmental Studies

Hours: 72L

This interdisciplinary course introduces the major issues regarding the sustainability of the global environment in the face of human development by integrating humanities and social science with the fundamental concept of environmental science. It examines major environmental problems, such as rapid climate change and land degradation as well as the role and impact of government, economics, and ethics on environmental issues.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

WDW105Y1 - Indigenous Cultures and Societies

Hours: 72L

This course provides an interdisciplinary focus on key topics relevant to Indigenous communities, historically and in the present. Students will be introduced to diverse cultures, communities, and worldviews of Indigenous peoples of Turtle Island (particularly Canada) and how they have been affected by colonialism. Emphasis will be placed on the ways Indigenous peoples are resisting social, economic, political, and environmental injustices, while revitalizing their identities, knowledges, and communities and creating space for the expression of Indigenous voices.

Storytelling that prioritizes the perspectives and worldviews of Indigenous peoples will guide students' learning about course topics, issues, and concepts. Students will be encouraged to connect their own storied identities and perspectives to course themes and issues. Classes will involve a mix of interactive lectures, class discussion, student-led learning opportunities, and field trips. Class time and assignments will also be devoted to helping students build their critical thinking, reading, and writing skills towards the completion of a research-based essay due at the end of the year.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

Actuarial Science

Faculty List

Professors Emeriti

D.F. Andrews, M Sc, Ph D
 A. Feuerverger, B Sc, Ph D
 D.A.S. Fraser, BA, Ph D, FRSC
 I. Guttman, MA, Ph D
 P. McDunnough, M Sc, Ph D
 R. Neal, B Sc, Ph D
 M.S. Srivastava, M Sc, Ph D
 A.M. Vukov, MA, ASA

Professor and Chair of the Department

R. Craiu, B Sc, Ph D

Professor and Associate Chair, Graduate Studies

Z. Zhou, B Sc, Ph D

Assistant Professor, Teaching Stream and Associate Chair, Undergraduate Studies

V. Zhang, B Sc, M Sc, FSA, ACIA, Actuarial Science

Professor, Teaching Stream and Associate Chair, Undergraduate Studies

A. Gibbs, B. Math, B Ed, M Sc, Ph D, Statistics

University Professor

N.M. Reid, M Sc, Ph D, FRSC, OC

Professors

S. Broverman, B Sc, M Sc, Ph D, ASA
 R. Craiu, B Sc, Ph D
 M.J. Evans, MA, Ph D (UTSC)
 S. Jaïmungal, B Sc, M Sc, Ph D
 K. Knight, M Sc, Ph D
 X.S. Lin, M Sc, Ph D, ASA
 J. Quastel, MS, Ph D
 J.S. Rosenthal, MA, Ph D
 J. Stafford, M Sc, Ph D
 L. Sun, B Sc, Ph D
 B. Virag, Ph D (UTSC)

Associate Professors

A. Badescu, B Sc, M Sc, Ph D
 D. Brenner M Sc, Ph D
 P. Brown, BA, M Sc, Ph D
 L.J. Brunner, MA, Ph D (UTM)
 Z. Zhou, B Sc, Ph D

Assistant Professors

M. Alexander, B Sc, MA, MSR, Ph D
 F. Chevalier, B Sc, Ph D
 D. Duvenaud, B Sc, M Sc, Ph D
 G. Eadie, B Sc, M Sc, Ph D
 M. Erdogdu, B Sc, M Sc, Ph D
 D. Kong, Ph D (UTM)
 D. Roy, B Sc, M Sc, Ph D (UTSC)
 S. Pesenti, B Sc, M Sc, Ph D
 D. Simpson, Ph D
 Q. Sun, Ph D
 S. Volgushev, Ph D
 L. Wang, B Sc, Ph D
 L. Wong, B Sc, M Sc, Ph D
 Y. Zhang, B Sc, Ph D

Associate Professor, Teaching Stream

N. Taback, B Sc, M Sc, Ph D
 B. White, Ph D

Assistant Professors, Teaching Stream

E. Bolton, Ph D
 K. Huynh Wong, B Sc, M Sc
 N. Moon, BSc, MA, Ph D
 S. Sue-Chee, B Sc, M Sc, Ph D
 V. Zhang, B Sc, M Sc, FSA, ACIA

Introduction

Actuarial Science is based upon the application of mathematical techniques to reduce the impact of such hazards as loss of income through death, disability, or retirement, or loss of property through fire, accident, or theft. Actuaries are the chief architects of life, health, and property insurance plans, and pension plans, and bear the major responsibility for their financial soundness. By using concepts from the areas of probability and finance, actuaries model, forecast and value the costs of benefits that will be provided to the participants in such plans. Methods developed for modeling insurance risk can also be applied to modeling investment risk, and actuaries apply their expertise to the valuation of sophisticated investment vehicles such as options on equities, bonds and other investment derivatives. ACT230H1 and ACT240H1, though somewhat technical, are courses of interest to a wide audience, since almost every student will from time to time be either a saver or a borrower, and will be covered by insurance and pension plans. Other actuarial courses deal with more specialized topics, and are generally taken by students with a more serious interest in the field or who want to pursue a career as an actuary. Professional accreditation as an actuary is obtained via the Canadian Institute of Actuaries by passing a series of examinations set by the Society of Actuaries or the Casualty Actuarial Society. University of Toronto's Actuarial Science program is accredited by the Canadian Institute of Actuaries and some professional requirements can be satisfied through courses in the actuarial program. For more information about actuarial studies and careers, contact Professor Broverman or Professor Lin.

Enquiries: 100 St. George Street, Sidney Smith Hall, Room 6018 (416-978-7582)

Associate Chair, Undergraduate Studies: Statistics - Dr. A. Gibbs; e-mail: ugchair.stats@utstat.utoronto.ca

Associate Chair, Undergraduate Studies: Actuarial Science - Professor V. Zhang; e-mail: ugchair.actsci@utstat.toronto.edu

Actuarial Science Programs

Actuarial Science Specialist (Science Program) - ASSPE0608

Enrolment Requirements:

Note: The following enrolment requirements will be in effect for students enrolling in Spring 2019. For students enrolling in the Spring 2018 enrolment period, consult the requirements stated in the 2017-18 Calendar. Students enrolling in Spring 2019 will have the option to follow the requirements in the 2017-18 Calendar. See the Actuarial Science program office for more information.

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol. **Courses required in either the major or specialist programs in actuarial science may not be taken as CR/NCR.**

In order to enrol into the Actuarial Science Specialist program, the following courses must be completed: MAT137Y1 with a final mark of at least 63% or MAT157Y1 with a final mark of at least 60%, and ACT240H1 and ACT245H1 and ACT247H1 with a final mark of at least 70% in each course. Students will usually enrol into the Actuarial Science Major program after completion of MAT137Y1/MAT157Y1, and then they will enrol into the Specialist program after the completion of ACT240H1, ACT245H1 and ACT247H1. Once these requirements are met by a student, the student will be eligible to enrol in the Actuarial Science Specialist Program. Note that the Mathematics Department enforces MAT223H1/MAT240H1 as a prerequisite for MAT237Y1.

Completion Requirements:

Note: The following completion requirements will be in effect for students enrolling in Spring 2019. For students enrolling in the Spring 2018 enrolment period, consult the requirements stated in the 2017-18 Calendar.

(13 FCE)

This program is designed to prepare a student for professional work as an actuary, and more generally in the financial risk management industry.

First Year:

1. MAT137Y1 (63%)/ MAT157Y1 (60%)
2. MAT223H1/ MAT240H1 (should be taken in first year, enforced as a prereq for MAT237Y1)
3. ECO101H1, ECO102H1

To be completed before the end of Second Year:

1. STA130H1 (students should complete this course by the end of the Fall Semester of Second Year)
2. CSC108H1/ CSC120H1/ CSC121H1/ CSC148H1

Second Year:

1. ACT240H1 (70%), ACT245H1 (70%), ACT247H1 (70%)
2. MAT237Y1/ MAT257Y1
3. STA257H1, STA261H1
4. MGT201H1

Higher Years:

1. A set of mandatory courses (3.5 FCEs): ACT348H1, ACT370H1, ACT451H1, ACT452H1, STA302H1, STA314H1, ACT350H1
2. 2 FCE to be selected from lists 1 and 2 (students can only use at a maximum 1FCE from list 2, the practice oriented courses, to fulfill program requirements):
 - (1) ACT349H1, ACT371H1, ACT455H1, ACT460H1, ACT466H1, STA457H1, STA414H1, and
 - (2) ACT372H1, ACT470H1, ACT471H1, ACT473H1, ACT475H1.

NOTES:

In order to enroll in ANY 300- or 400-level ACT course, the minimum

grade of C must be obtained in each of ACT240H1, ACT245H1 and ACT247H1. The enrolment requirements and the prerequisites for all ACT courses will be strictly enforced.

Students who have an interest in pursuing studies in mathematical finance should consider taking MAT244H1, MAT336H1/ MAT337H1 and APM346H1. Students in the Actuarial Science Specialist Program who have successfully completed ACT348H1 and ACT349H1 may request to enroll in the following RSM courses (provided the appropriate prerequisites and corequisites are met): RSM430H1, RSM433H1, RSM437H1. MAT246H1 is recommended (not required) for students in the Actuarial Science Specialist Program.

Actuarial Science Major (Science Program) - ASMAJ0608

Enrolment Requirements:

(Note: The following enrolment requirements will be in effect for students enrolling in Spring 2019. For students enrolling in the Spring 2018 enrolment period, consult the requirements stated in the 2017-18 Calendar.)

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol. **Courses required in either the major or specialist programs in actuarial science may not be taken as CR/NCR.**

Required courses: MAT137Y1 with a final mark of at least 63% or MAT157Y1 with a final mark of at least 60%. **Note that the Mathematics Department enforces MAT223H1/MAT240H1 as a prerequisite for MAT237Y1.**

Completion Requirements:

Note: The following completion requirements will be in effect for students enrolling in Spring 2019. For students enrolling in the Spring 2018 enrolment period, consult the requirements stated in the 2017-18 Calendar.

(8.5 full courses or their equivalent)

First Year:

1. MAT137Y1 (63%)/ MAT157Y1 (60%)
2. MAT223H1/ MAT240H1 (should be taken in first year, enforced as a prereq for MAT237Y1)

To be completed before the end of Second Year:

3. STA130H1 (students should complete this course by the end of the Fall Semester of Second Year)
4. CSC108H1/ CSC120H1/ CSC121H1/ CSC148H1

Higher Years:

5. ACT240H1, ACT245H1, ACT247H1, ACT348H1, ACT370H1
6. MAT237Y1/ MAT257Y1
7. STA257H1, STA261H1
8. ACT451H1, ACT452H1, STA302H1

STA314H1 is strongly recommended.

NOTES:

- In order to enroll in ANY 300- or 400-level ACT course, the minimum grade of C must be obtained in each of

- ACT240H1, ACT245H1 and ACT247H1. The enrolment requirements and the prerequisites for all ACT courses will be strictly enforced.
- Students who have an interest in pursuing studies in mathematical finance should consider taking MAT244H1, MAT336H1/ MAT337H1 and APM346H1.
 - Students interested in actuarial practices should consider taking ACT371H1, ACT372H1, ACT470H1, ACT471H1, ACT473H1, ACT475H1.

Actuarial Science Courses

ACT230H1 - Mathematics of Finance for Non-Actuaries

Hours: 24L/12T

Introduction to financial mathematics, interest measurement, present value calculation, annuity valuation, loan amortization, consumer financing arrangements, bond valuation. The course is aimed at a general audience who will not be continuing in the actuarial science program. Course manuals fee: \$30.

Prerequisite: First-year Calculus

Exclusion: ACT240H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ACT240H1 - Mathematics of Investment & Credit

Hours: 24L/12T

Interest, discount and present values, as applied to determine prices and values of annuities, mortgages, bonds, equities; loan repayment schedules and consumer finance payments in general; yield rates on investments given the costs on investments. Course manuals fee: \$45.

Prerequisite: MAT137Y1 (minimum grade 63%)/ MAT157Y1 (minimum grade 60%)

Exclusion: ACT230H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ACT245H1 - Financial Principles for Actuarial Science I

Hours: 24L/12T

Term structure of interest rates, cashflow duration, convexity and immunization, forward and futures contracts, interest rate swaps, introduction to investment derivatives and hedging strategies.

Prerequisite: ACT240H1, MAT137Y1 (minimum grade 63%)/ MAT157Y1 (minimum grade 60%)

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ACT247H1 - Introductory Life Contingencies

Hours: 36L

Probability theory applied to survival and to costs and risks of life assurances, life annuities, and pensions; analysis of survival distributions; international actuarial notation. Course manuals fee: \$35.

Prerequisite: ACT240H1; MAT137Y1 (minimum grade 63%)/ MAT157Y1 (minimum grade 60%); STA257H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ACT348H1 - Advanced Life Contingencies

Hours: 36L

Determination of benefit premium and benefit reserves for life insurance and annuities; analysis of insurance loss random variables; theory of life contingencies for multiple lives. Course manuals fee: \$40.

Prerequisite: ACT240H1 (minimum grade C); ACT245H1 (minimum grade C); ACT247H1 (minimum grade C); (STA257H1, STA261H1); MAT237Y1/ MAT257Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ACT349H1 - Corporate Finance for Actuarial Science

Hours: 24L/12T

Actuarial applications of financial mathematics and economics.

Prerequisite: ACT240H1 (minimum grade C); ACT245H1 (minimum grade C); ACT247H1 (minimum grade C); (STA257H1, STA261H1); MAT237Y1/ MAT257Y1

Exclusion: ECO358H1, ECO359H1 , RSM332H1 , RSM333H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ACT371H1 - Basic Reserving Methods For P&C Insurance

Hours: 24L/12T

Topics covered include reserving data and triangles, diagnoses methods that range from triangle of ratios of paid claims to reported claims to triangel of reported claim ratios. The syllabus also includes projection techniques.

Prerequisite: ACT240H1, STA257H1

Recommended Preparation: None

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ACT350H1 - Applied Probability for Actuarial Science

Hours: TBA

The course offers an introduction to elementary probability theory and stochastic processes. The main goal of the course is to help actuarial students understand the concept of stochastic processes with particular emphasis on Markov chains that are of great importance in Life Contingencies and Property and Casualty insurance.

The course will cover the following topics: a basic review of probabilities with emphasis on conditional probabilities and expectations, discrete time Markov chains, Poisson processes, continuous time Markov chains, renewal theory and some applications, queueing theory.

Prerequisite: ACT240H1 (minimum grade 63%); ACT245H1 (minimum grade 63%); ACT247H1 (minimum grade 63%); STA257H1; MAT223H1/ MAT240H1, MAT237Y1/ MAT257Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ACT372H1 - Basic Ratemaking Methods For P&C Insurance

Hours: 24L/12T

This course covers the basic ratemaking methods for P&C insurance. It assumes that students are familiar with traditional reserving diagnoses and projection methods. The syllabus would introduce concepts related to earning of exposures, on-level factors, catastrophe loading, large loss loading and credibility.

Prerequisite: ACT371H1

Recommended Preparation: None

Distribution Requirements: Science

ACT370H1 - Financial Principles for Actuarial Science II

Hours: 36L

Mathematical theory of financial derivatives, discrete and continuous option pricing models, hedging strategies and exotic option valuation.

Prerequisite: ACT240H1 (minimum grade C); ACT245H1 (minimum grade C); ACT247H1 (minimum grade C); (STA257H1, STA261H1); MAT237Y1/ MAT257Y1

Exclusion: RSM435H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ACT398H0 - Research Excursions

Hours: TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ACT398Y0 - Research Excursions

Hours: TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ACT451H1 - Loss Models**Hours:** 36L

Loss models policy adjustments, frequency and severity models, compound distributions.

Prerequisite: STA261H1, ACT348H1, ACT350H1/ STA347H1. (ACT348H1, ACT350H1/ STA347H1 can be corequisite with permission of instructor)

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ACT460H1 - Stochastic Methods for Actuarial Science**Hours:** 36L

Applications of the lognormal distribution, Brownian motion, geometric Brownian motion, martingales, Itos limma, stochastic differential equations, interest rate models, the Black-Scholes model, volatility, value at risk, conditional tail expectation.

Prerequisite: ACT350H1/ STA347H1. (ACT370H1 strongly recommended)

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ACT452H1 - Loss Models II**Hours:** 36L

Estimation of Loss and Survival Models using complete, censored and truncated data. Product-Limit estimation, empirical estimation, moment and percentile estimation, maximum likelihood estimation and simulation models.

Prerequisite: ACT348H1, ACT451H1; STA261H1, ACT350H1/ STA347H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ACT466H1 - Credibility and Simulation**Hours:** 36L

Limited fluctuation credibility, Bayesian estimation, Bühlmann credibility, non-parametric credibility methods, inverse transformation simulation method, specialized simulation methods for the normal and lognormal distributions, Monte Carlo methods, the bootstrap method.

Prerequisite: ACT451H1; STA261H1, ACT350H1/ STA347H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ACT455H1 - Advanced Topics in Actuarial Science**Hours:** 36L

Advanced life contingencies, multiple decrement theory, insurance policy expenses, multi-state transition models, Poisson processes.

Prerequisite: ACT348H1; ACT350H1/ STA347H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ACT470H1 - Advanced Pension Mathematics**Hours:** 36L

Topics in pension mathematics; funding methods for pension plans. (Offered in alternate years)

Prerequisite: ACT348H1 or permission of instructor

Corequisite: ACT455H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ACT471H1 - Topics in Casualty Actuarial Science

Hours: 36L

Topic for 2016-2017: Advanced Ratemaking Methods for P&C Insurance

This course will cover advanced ratemaking methods for P&C insurance. It includes topics such as commercial insurance pricing, catastrophic pricing, reinsurance pricing and GLM applications to P&C insurance.

(Offered in alternate years)

Prerequisite: permission of instructor

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ACT496H1 - Readings in Actuarial Science

Hours: TBA

Independent study under the direction of a faculty member. Persons wishing to take this course must have the permission of the Undergraduate Secretary and of the prospective supervisor. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ACT497H1 - Readings in Actuarial Science

Hours: TBA

Independent study under the direction of a faculty member. Persons wishing to take this course must have the permission of the Undergraduate Secretary and of the prospective supervisor. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ACT498Y1 - Readings in Actuarial Science

Hours: TBA

Independent study under the direction of a faculty member. Persons wishing to take this course must have the permission of the Undergraduate Secretary and of the prospective supervisor. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ACT475H1 - Insurance Products and Regulation with AXIS

Hours: 36L

Examine key types of insurance products and their pricing and valuation. Review representative developments in insurance regulations in US, Europe and Canada. Demonstrate case studies using leading actuarial application AXIS.

Prerequisite: ACT240H1, ACT245H1, ACT247H1

Corequisite: ACT348H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ACT499Y1 - Readings in Actuarial Science

Hours: TBA

Independent study under the direction of a faculty member. Persons wishing to take this course must have the permission of the Undergraduate Secretary and of the prospective supervisor. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

American Studies

Faculty List

Associate Professor and Director
Nic Sammond

Lecturer
Alexandra Rahr, Ph.D.

Introduction

The American Studies Program is designed to provide students with a broad, yet deep, education about the United States. To ensure breadth, students are required to take two interdisciplinary core courses that range widely both with respect to the themes covered and disciplinary perspectives applied. As well, the Program offers a wide selection of courses from participating departments and programs in the Faculty of Arts and Science, giving students broad exposure to fundamental themes of American life. To ensure depth, the American Studies Program relies heavily on upper level courses, including its own capstone seminars at the 400-level.

American Studies Programs

American Studies Major (Arts Program) - ASMAJ0135

Completion Requirements:

7.0 full courses or equivalent (FCEs), specified as follows:

1. 1.0 FCE from the 200-level gateway courses in English (ENG250H1 and either ENG270H1 or ENG235H1), History (HIS271Y1), Geography (GGR240H1 and GGR254H1), or Political Science (POL203Y1), or Cinema Studies (CIN270Y1).
2. USA200H1 and USA300H1 (total of 1.0 FCE).
3. 1.0 FCE from at least three disciplinary/thematic clusters, categorized as follows (3.0 FCEs): a) Politics and Economics b) Society (Indigenous Studies, Anthropology, East Asian Studies, Geography) c) Culture (Cinema Studies, English, Music, Religion) d) History
4. 0.5 FCE in Breadth Requirement Category 5: The Physical or Mathematical Universe, or another half course approved by the CSUS Program Director, to fulfill the Quantitative Reasoning competency requirement of the program.
5. Additional eligible courses from the Recommended Courses listed on the Centre for the Study of the United States website (<http://munkschool.utoronto.ca/csus/undergraduate-program>) to a total of 7.0 FCEs, including requirement #4 above.
6. At least 2.0 FCEs of the student's 7.0 FCEs must be at the 300-level or above.

7. At least 1.5 FCEs of the student's program must be in American Studies (USA prefix courses), at the 300- or 400-level.

Recommended Sequence of Courses:

First Year:

Students are encouraged to take any pre-requisites for the 200-level gateway course required, and/or enroll directly in USA200H1 as a first year student. Of the required second-year disciplinary survey courses, only one—POL203Y1—has a pre-requisite; students interested in politics, therefore, should take one full POL course, a pre-requisite for POL203Y1. Other recommended courses at the first year level include: HIS106Y1.

Second Year:

USA200H1
HIS271Y1 (or) ENG250H1 AND either ENG270H1 or ENG235H1
(or) GGR240H1 AND GGR254H1 (or) POL203Y1

Second, Third, and Fourth Years:

USA300H1, plus other eligible courses, to a total of 7.0 FCEs. At least 2.0 of these courses must be at the 300-level or above. At least 1.5 of these courses must be in American Studies (USA prefix courses) at the 300- or 400-level. Courses must be chosen in a way that satisfies the disciplinary/thematic variety described above, plus 0.5 FCE in Breadth Requirement Category 5, or another half course approved by the CSUS Program Director, to fulfill the Quantitative Reasoning competency requirement of the program.

NOTE: Other 300+ series courses with 50% or more American content may be allowed; students should seek early approval of program credit for such courses from the CSUS Director.

American Studies Minor (Arts Program) - ASMIN0135

Completion Requirements:

(4 full courses or their equivalent, including at least one 300+ series course in at least two disciplines)

Second year:

1. 1.0 FCE from the 200-level gateway courses in English (ENG250H1 and either ENG270H1 or ENG235H1), History (HIS271Y1), Geography (GGR240H1 and GGR254H1), or Political Science (POL203Y1), or Cinema Studies (CIN270Y1).

Third year:

2. Students must take USA300H1 (0.5 FCE).

Second, third, and fourth years:

3. 2.5 courses from the eligible courses listed below to total 4.0 FCEs.

NOTE: Other 300+ series courses with American content may be allowed; students should seek early approval of program credit for such courses.

To see our full list of American Studies courses offered in 2019-2020, please go to our website at the Centre for the Study of the United States, at the Munk School of Global Affairs & Public Policy here: <http://munkschool.utoronto.ca/csus/undergraduate-program/>

Courses eligible for program credit include those appearing below. Please note that some of these courses have pre-requisites; in all cases, and for updates on courses being offered, check individual department/program websites. Other 300+ series courses with American content may be allowed; students should seek early approval of program credit for such courses from the Director.

Course Groups

American Studies

- [USA200H1 Introduction to American Studies](#)
- [USA300H1 Theories and Methods in American Studies](#)
- [USA310H1 Approaches to American Studies](#)
- [USA311H1 Approaches to American Studies](#)
- [USA312H1 Approaches to American Studies](#)
- [USA313H1 Approaches to American Studies](#)
- [USA400H1 Topics in American Studies](#)
- [USA401H1 Topics in American Studies](#)
- [USA402H1 Topics in American Studies](#)
- [USA403H1 Topics in American Studies](#)
- [USA494H1 Independent Studies](#)
- [USA495Y1 Independent Studies](#)

Cinema Studies

- [CIN211H1 Science Fiction Film](#)
- [CIN230H1 The Business of Film](#)
- [CIN270Y1 American Popular Film Since 1970](#)
- [CIN310Y1 Avant-Garde and Experimental Film](#)
- [CIN334H1 The Origins of the Animation Industry, 1900-1950: A Technosocial History](#)
- [CIN335H1 American Animation after 1950](#)
- [CIN374Y1 American Filmmaking in the Studio Era](#)
- [CIN431H1 Advanced Study in Cinema as Social and Cultural Practice](#)
- [CIN490Y1 Independent Studies in Cinema](#)
- [CIN491H1 Independent Studies in Cinema](#)
- [CIN492H1 Independent Studies in Cinema](#)

Economics

- [ECO306H1 American Economic History](#)

English

- [ENG250H1 Introduction to American Literature](#)
- [ENG235H1 The Graphic Novel](#)
- [ENG270H1 Introduction to Colonial and Postcolonial Writing](#)
- [ENG355Y1 Transnational Indigenous Literatures](#)
- [ENG360H1 Early American Literature](#)
- [ENG363Y1 American Literature to 1900](#)
- [ENG364Y1 American Literature 1900 to the present](#)
- [ENG365H1 Contemporary American Fiction](#)

- [ENG368H1 Asian North American Literature](#)

Geography

- [GGR240H1 Geographies of Colonialism in North America](#)
- [GGR254H1 Geography USA](#)
- [GGR336H1 Urban Historical Geography of North America](#)
- [GGR339H1 Urban Geography, Planning and Political Processes](#)
- [GGR359H1 Comparative Urban Policy](#)
- [GGR458H1 Selected Topics in Urban Geography](#)

History

- [HIS106Y1 The African Diaspora in the Americas, 1492-1804](#)
- [HIS202H1 Gender, Race and Science](#)
- [HIS221H1 African American History to 1865](#)
- [HIS222H1 African American History from 1865 to the Present](#)
- [HIS271Y1 American History Since 1607](#)
- [HIS300H1 Energy and Environment in North American History](#)
- [HIS310H1 Histories of North American Consumer Culture](#)
- [HIS343H1 History of Modern Espionage](#)
- [HIS345H1 History and Film](#)
- [HIS366H1 Aboriginal Peoples of the Great Lakes from 1815 to the Present](#)
- [HIS369H1 Aboriginal Peoples of the Great Lakes from 1500 to 1830](#)
- [HIS374H1 American Consumerism - The Beginnings](#)
- [HIS376H1 The United States: Now and Then](#)
- [HIS377H1 20th-Century American Foreign Relations](#)
- [HIS378H1 America in the 1960s](#)
- [HIS379H1 Vietnam at War](#)
- [HIS389H1 Topics in History](#)
- [HIS389Y1 Topics in History](#)
- [HIS396H1 The Progressive Era and Rise of Big Business in America](#)
- [HIS400H1 The American War in Vietnam](#)
- [HIS401Y1 History of the Cold War](#)
- [HIS404H1 Topics in U.S. History](#)
- [HIS411H1 Great Trials in History](#)
- [HIS463H1 Cloth in American History to 1865](#)
- [HIS464H1 Religion and Violence in Comparative Perspective](#)
- [HIS465Y1 Gender and International Relations](#)
- [HIS473H1 The United States and Asia since 1945](#)
- [HIS479H1 US Foreign Policy Since World War II](#)
- [HIS484H1 The Car in North American History](#)
- [HIS487H1 Animal and Human Rights in Anglo-American Culture](#)
- [HIS497H1 Animal Politics and Science](#)

Indigenous Studies

- [INS302H1 Indigenous Representation in the Mass Media and Society](#)
- [INS341H1 North American Indigenous Theatre](#)

Music

- [MUS306H1 Popular Music in North America](#)

Political Science

- [POL203Y1 U.S. Government and Politics](#)
- [POL326Y1 United States Foreign Policy](#)
- [POL379H1 Topics in Comparative Politics III](#)
- [POL404Y1 Public, Private and the Liberal State](#)
- [POL433H1 Topics in United States Government and Politics](#)
- [POL464H1 Urban Policy and Policymaking](#)

Religion

- [RLG315H1 Rites of Passage](#)

USA300H1 - Theories and Methods in American Studies

Previous Course Number: USA300Y1

Hours: 24L

This course, required for majors and minors but open to all who have met the pre-requisites, explores a range of approaches to the field of American Studies. Students will be introduced to some of the many 'theories and methods' that have animated the field of American Studies, including historical methods; formal analysis of visual and literary texts; and key concepts, such as commodity chain analysis; 'race,' 'commodity,' 'gender,' 'diaspora,' and 'affect.'

Prerequisite: HIS271Y1/ ENG250Y1/ POL203Y1/ GGR240H1/ GGR254H1

Exclusion: USA300Y1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Creative and Cultural Representations (1)

USA310H1 - Approaches to American Studies

Hours: 24L

An in-depth, interdisciplinary examination of a specific question concerning U.S. history, politics, and/or culture. Focus varies depending on instructor. Major emphases include reading critically and the initial steps of conducting original research.

Prerequisite: At least two half courses (1.0 FCE) from the American Studies list or USA300H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Creative and Cultural Representations (1)

USA311H1 - Approaches to American Studies

Hours: 24L

An in-depth, interdisciplinary examination of a specific question concerning U.S. history, politics, and/or culture. Focus varies depending on instructor. Major emphases include reading critically and the initial steps of conducting original research.

Prerequisite: At least two half courses (1.0 FCE) from the American Studies list of eligible courses or USA300H1.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Creative and Cultural Representations (1)

USA312H1 - Approaches to American Studies

Hours: 24L

An in-depth, interdisciplinary examination of a specific question concerning U.S. history, politics, and/or culture. Focus varies depending on instructor. Major emphases include reading critically and the initial steps of conducting original research.

Prerequisite: At least two half courses (1.0 FCE) from the American Studies list of eligible courses or USA300H1.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

USA402H1 - Topics in American Studies

Hours: 24S

In-depth examination of specific themes relating to American Studies.

Prerequisite: At least two courses (2.0 FCE) from the American Studies list

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

USA313H1 - Approaches to American Studies

Hours: 24L

An in-depth, interdisciplinary examination of a specific question concerning U.S. history, politics, and/or culture. Focus varies depending on instructor. Major emphases include reading critically and the initial steps of conducting original research.

Prerequisite: At least two half courses (1.0 FCE) from the American Studies list of eligible courses or USA300H1.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

USA403H1 - Topics in American Studies

Hours: 24S

In-depth examination of specific themes relating to American Studies.

Prerequisite: At least two courses (2.0 FCE) from the American Studies list

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

USA400H1 - Topics in American Studies

Hours: 24S

In-depth examination of specific themes relating to American Studies.

Prerequisite: At least two courses (2.0 FCE) from the American Studies list

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Creative and Cultural Representations (1)

USA494H1 - Independent Studies

Hours: TBA

Independent Studies. Not eligible for CR/NCR option.

Distribution Requirements: Humanities; Social Science

USA495Y1 - Independent Studies

Hours: TBA

Independent Studies. Not eligible for CR/NCR option.

Distribution Requirements: Humanities; Social Science

USA401H1 - Topics in American Studies

Hours: 24S

In-depth examination of specific themes relating to American Studies.

Prerequisite: At least two courses (2.0 FCE) from the American Studies list

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Creative and Cultural Representations (1)

Anatomy

Anatomy Courses

ANA300Y1 - Human Anatomy and Histology

Hours: 86L/18P

Structure of the human body and its relationship to function. Basic Human Histology, Gross Anatomy, and Neuroanatomy. Some content is delivered using online modules.

Prerequisite: BIO130H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

ANA301H1 - Human Embryology

Hours: 48L

Human embryology from fertilization to the end of the fetal period. Current concepts in mammalian morphogenesis applied to the development of the various organ systems; etiologies and pathogenesis of some of the more common human congenital abnormalities.

Prerequisite: BIO130H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

ANA411H1 - Anatomy in Application: Exercise & Biomechanics

Hours: 24P/36S

This course will cover musculoskeletal anatomy (both upper and lower limb) topics with an emphasis on applying detailed anatomical review, biomechanical principles and research evidence to explain or clarify exercise principles and myths.

Prerequisite: ANA126Y1 or ANA300Y1 (78%) or equivalent

Exclusion: none

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

ANA498Y1 - Project in Anatomy

Hours: TBA

A research project in Histology, Cellular or Molecular Biology, Developmental Biology, Neuroanatomy or Gross Anatomy. Not eligible for CR/NCR option.

Prerequisite: Permission of a professor to supervise the project

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

ANA400H1 - Anatomy Dissection

Hours: 24P/24S

A focussed series of Anatomical dissections will be made and the surgical implications of the findings will be the subject of seminars. Attitudes to dissection of the human body, complications of surgery and other relevant issues will be discussed.

Prerequisite: ANA300Y1 and permission of department. Normally a "B+" standing will be required

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

Anthropology

Faculty List

University Professor Emeritus

R.B. Lee, MA, Ph D, FRSC

Professors Emeriti

F.D. Burton, MA, Ph D (UTSC)
 J.J. Chew, MA, Ph D
 R.B. Drewitt, Ph D
 M.R. Kleindienst, MA, Ph D (UTM)
 J. Mavalwala, M Sc, Ph D
 S.K. Pfeiffer, MA, Ph D
 S.B. Philpott, MA, Ph D
 A.K. Ray, M Sc, Ph D
 W.J. Samarin, BA, Ph D
 B.A. Sigmon, MS, Ph D (UTM)
 G.A. Smith, MA, Ph D (U)
 D.H. Turner, BA, Ph D (T)

Associate Professors Emeriti

M.A. Latta, MA, Ph D (UTSC)
 M.D. Levin, MA, Ph D (N)

Professor and Chair of the Department

J.P. Boddy, MA, Ph D, FRSC

University Professor

T. Li, MA, Ph D (U)

Professors

E.B. Banning, MA, Ph D (U)
 D.R. Begun, MA, Ph D
 M. Chazan, M Phil, Ph D (V)
 G.G. Coupland, MA, Ph D
 G.W. Crawford, MA, Ph D, FRSC (UTM)
 M. Danesi, MA, Ph D, FRSC (V)
 T.M. Friesen, MA, Ph D
 I. Kalmar, MA, Ph D (W, V)
 M.J. Lambek, MA, Ph D, FRSC (UTSC)
 H.V. Luong, MA, Ph D
 V. Napolitano, MA, Ph D
 E. Parra, BS, Ph D (UTM)
 L.A. Sawchuk, MA, Ph D (UTSC)
 D. Sellen, MA, Ph D
 J. Sidnell, MA, Ph D (UTM)
 M. Silcox, Ph D (UTSC)
 J. Song, Ph D
 H. Wardlow, MA, Ph D, MPH

Associate Professors

S. Bamford, MA, Ph D (UTSC)
 J. Barker, MA, Ph D
 F. Cody, MA, Ph D (UTM, AI)
 H. Cunningham, MA, Ph D (U)
 G. Daswani, M Sc, Ph D (UTSC)
 N. Dave, MA, Ph D
 G.S. Gillison, BA, Ph D (T)
 S. Lehman, MA, PhD
 B. McElhinny, MA, Ph D
 H. Miller, MA, PhD (UTM)
 A. Mittermaier, MA, Ph D
 A. Muehlebach, MA, Ph D (UTM)
 A. Paz, Ph D (UTSC)
 T.L. Rogers, MA, PhD (UTM)
 T. Sanders, MA PH D (UTM)
 S. Satsuka, MA, Ph D

M. Schillaci, MA, PH D (UTSC)
 D.G. Smith, MA, Ph D (UTM)
 E. Swenson, MA, Ph D

Assistant Professors

F. V. Bozcali, Ph D (UTM)
 W. Butt, Ph D (UTSC)
 M. Cameron, M Sc, Ph D
 B. Dahl, MA, Ph D (UTSC)
 G. Dewar, MA, Ph D (UTSC)
 T. Galloway, MA, Ph D (UTM)
 C. Hartblay, MA, Ph D (UTSC)
 S. M. Hillewaert, MA, Ph D (UTM)
 K. Kilroy-Marac, Ph D (UTSC)
 C. Krupa, MA, Ph D (UTSC)
 K. Maxwell, MA, Ph D
 L. Mortensen, MA, Ph D (UTSC)
 N. Novroski, M Sc, Ph D (UTM)
 D. Samson, MA, Ph D (UTM)
 L. Schroeder, Ph D (UTM)
 J. Teichroeb, MA, Ph D (UTSC)
 B. Viola, M Sc, Ph D
 L. Xie, MA, Ph D (UTM)
 D. Young, MA, Ph D (UTSC)

Lecturers

M. Cummings, MA, Ph D (UTSC)
 H. Moore, M Sc, Ph D
 A. K. Patton, MA, Ph D

Introduction

Anthropology examines the complexity and diversity of human experience, past and present, through evolutionary, archaeological, social, cultural, and linguistic perspectives. As such, Anthropology is a truly interdisciplinary venture that spans the natural sciences, social sciences, and humanities. This broad mandate has led to the division of the discipline into three broad areas of research: Archaeology; Evolutionary Anthropology; and the study of Society, Culture and Language.

Archaeologists study the material remains of the human past. Archaeological methods range widely, from the study of artifacts to the analysis of plant and animal remains, and Archaeological research covers a vast expanse of time from the earliest stone tools to the complex record left by modern industrial society. Archaeologists also grapple with a range of theoretical issues including material culture, culture change, identity, and ritual. Many archaeologists today also work in collaboration with local communities and engage with the questions of archaeological ethics.

Evolutionary Anthropology is the study of the biological diversity of humans, the history of this diversity, and the biological relationships between humans and non-human primates. Major foci in Evolutionary Anthropology include Human Biology, the study of modern humans; Osteology, the study of the human skeleton; Paleoanthropology, the study of human evolution; and Primatology, the study of non-human primates. Evolutionary anthropologists integrate biological and social variables in their explanations of the effects of evolution on humans and other primates.

At the core of the study of Society, Culture and Language is the question of how we humans organize our lives together, and why we do so in such vastly different ways. The orientation is global and contemporary. We explore social relations: relations between kin and neighbours, between genders and generations, between ethnic

groups and nations, between rich and poor, between people and the natural environment that sustains them, and between people and their gods. We also explore the production and communication of meanings through rituals, images, memories, symbols and linguistic codes. Topics include environment, power, ideology, identity, subjectivity, media, sexuality, ethics, affect, activism, health, cities, work and international development.

A training in anthropology prepares students to think clearly and critically; to engage with a wide range of perspectives, experiences, and world views; and to reach ethically sound decisions. Programs available within the Department of Anthropology provide excellent preparation for careers in business, or public service and the non-profit sector, especially in areas where international and human diversity issues are important. Courses in anthropology provide a unique grounding and can be fruitfully combined with courses in a wide variety of other disciplines in the sciences, social sciences, and humanities. Undergraduate Program Administrator/Student Counsellor: Anthropology Building, 19 Russell Street, Room 258 (416-978-6414).

Anthropology Programs

Anthropology Specialist (Society, Culture, and Language) (Arts Program) - ASSPE2112

Enrolment Requirements:

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Courses for admission: ANT207H1 with a final mark of at least 70%.

Completion Requirements:

(10 full courses or their equivalent, including at least 2 FCE at the 400 level)

First and/or Second Year

1. ANT204H1 and ANT207H1

Upper years

2. ANT370H1 and ANT380H1
3. 6 FCE from Group C including at least 0.5 FCE course from Subgroup C(i)
4. ANT475H1 and an additional 1.5 FCE at the 400-level

Note: Students who enrolled in the Specialist in Anthropology (Social/Cultural) in 2009-10 or 2010-11 and who did not take ANT210H1 are strongly encouraged to take ANT380H1, but may instead take an additional half course from Group C

Anthropology Major (Society, Culture, and Language) (Arts Program) - ASMAJ2112

Enrolment Requirements:

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Courses for admission: ANT100Y1 with a final mark of at least 67% or ANT207H1 with a final mark of at least 70%.

Completion Requirements:

(6.5 full courses or their equivalent including at least 2.0 FCE at the 300+ level and at least 1 FCE at the 400 level)

First and/or Second Year

1. ANT207H1
2. ANT204H1 or ANT253H1

Upper years

3. ANT370H1 or ANT425H1
4. Five additional FCE from Group C including at least 1 FCE at the 400 level. Students who want to focus more specifically on the role of language in culture and society should take ANT253H1, ANT425H1, and courses in the C (ii) Subgroup

Anthropology Major (General) (Arts Program) - ASMAJ1775

Enrolment Requirements:

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Courses for admission: ANT100Y1 with a final mark of at least 67% or ANT200Y1 or ANT203Y1 or ANT204H1 or ANT207H1 with a final mark of at least 70%.

Completion Requirements:

Major program:

(6.5 full courses or their equivalent)

First and/or Second Year

1. ANT100Y1
2. ANT207H1
3. 1.0 FCE from ANT200Y1, ANT203Y1
4. 0.5 from ANT204H1, ANT208H1, ANT253H1

Upper years

5. 2.5 FCE at the 300+-level from either Group A or Group B or Group C, including at least 0.5 FCE at the 400-level. 6. 1.0 additional FCE from a Group other than that used to meet requirement #5

Environmental Anthropology Minor (Arts Program) - ASMIN1291

Completion Requirements:

A program focused on understanding the diverse nature of interactions between humans and their environments, both in the past and in modern global society. Consult the Undergraduate Office, Department of Anthropology (416-978-6414).

(4 full courses or their equivalent; must include at least one full-course equivalent at the 300+-level)

1. ANT100Y1 / (ENV221H1, ENV222H1 / GGR222H1) / ENV222Y1 / GGR222Y1
2. ANT200Y1 / (ANT204H1 + ANT207H1) / 0.5 300 level Social Anthropology course)
3. Two FCE's from: ANT315H1, ANT336H1, ANT346H1, ANT351H1, ANT364H1, ANT366H1, ANT368H1, ANT371H1, ANT374H1, ANT376H1, ANT409H1, ANT410H1, ANT415Y1, ANT420H1, ANT430H1, ANT450H1, INS250H1, INS402H1

Anthropology Minor (General) (Arts Program) - ASMIN1775

Enrolment Requirements:

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Courses for admission: ANT100Y1 with a final mark of at least 67% or ANT200Y1 or ANT203Y1 or ANT204H1 or ANT207H1 with a final mark of at least 70%.

Completion Requirements:

Minor program:

(4 full courses or their equivalent including at least one 300-level course; excluding ANT497Y/ANT498H/ ANT499H)

First and/or Second Year

1. ANT100Y1
2. 2 FCEs from ANT200Y1, ANT203Y1, ANT204H1, ANT207H1, ANT208H1, ANT253H1

Upper years

3. One full course equivalent at the 300+ level from either Group A or Group B or Group C

Anthropology Major (Evolutionary) (Science Program) - ASMAJ1510

Enrolment Requirements:

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Courses for admission: ANT100Y1 with a final mark of at least 67% or ANT203Y1 with a final mark of at least 70%.

Completion Requirements:

(7.5 full courses or their equivalent, including at least 2 FCE at the 300+ level, 0.5 FCE of which must be at the 400-level)

First Year and/or Second Year:

1. BIO120H1
2. ANT100Y1 or BIO220H1. If BIO220H1 is taken, students must take an additional 0.5 FCE in ANT
3. ANT203Y1

Upper Years:

4. 2.0 FCE from ANT208H1, ANT333Y1, ANT334H1, ANT335Y1, ANT336H1
5. 2.5 additional FCE from: Group B and/or ANT406H1, ANT415Y1, ARH312Y1
6. 0.5 FCE at the 400-level from Group B

Course Groups

A: Archaeology

- ANT200Y1 Introduction to Archaeology
- ANT299Y1 Research Opportunity Program
- ANT311Y1 Archaeological Fieldwork
- ANT314H1 Archaeology of the Pacific Northwest
- ANT315H1 Arctic Archaeology
- ANT316H1 Ancient Cultures of Mesoamerica
- ANT317H1 Archaeology of Eastern North America
- ANT318H1 The Preindustrial City and Urban Social Theory
- ANT319Y1 Archaeology of North America
- ANT320H1 Ancient Cultures of the Andes
- ANT372H1 Cultural Property
- ANT388H1 Anthropologists and Indigenous Peoples in North America
- ANT390H1 Special Topics in Anthropology
- Note: ANT390H1 may be placed in either Group A or B or C depending on the topic which will vary from year to year
- ANT406H1 Lithic Analysis
- ANT407H1 Inka and Aztec States
- ANT409H1 Landscape Archaeology
- ANT410H1 Hunter-Gatherers Past & Present
- ANT411H1 Advanced Archaeological Theory
- ANT412H1 Historical Archaeology
- ANT415Y1 Laboratory in Faunal Archaeo-Osteology
- ANT416H1 Archaeology of Ritual and Identity
- ANT419H1 Current Debates in Palaeolithic Archaeology

- [ANT420H1 Archaeology of Inequality](#)
- [ANT437H1 Introduction to Virtual Anthropology](#)
- [ANT491Y1 Internship in Anthropology](#)
- [ANT491H1 Internship in Anthropology](#)
- [ANT497Y1 Independent Research](#)
- [ANT498H1 Independent Research](#)
- [ANT499H1 Independent Research](#)
- [ARH305H1 Archaeological Interpretation](#)
- [ARH306Y1 Archaeological Field Methods](#)
- [ARH309H1 Archaeology, Ethics, and the Public](#)
- [ARH312Y1 Archaeological Laboratory](#)
- [ARH360H1 Prehistory of the Near East \(formerly ANT360Y1\)](#)
- [ARH361H1 Field Archaeology](#)
- [ARH361Y1 Field Archaeology](#)
- [ARH482H1 Special Topics in Archaeology](#)
- [ARH494H1 Topics in Emerging Scholarship \(Archaeology\)](#)
- [ARH495H1 Archaeology Research Practicum](#)
- [VIC225Y1 A History of the World in Objects](#)

B: Evolutionary

- [ANT203Y1 The Nature of Humans](#)
- [ANT208H1 Medical Anthropology: an Evolutionary Perspective on Human Health](#)
- [ANT299Y1 Research Opportunity Program](#)
- [ANT330Y1 Paleoanthropology Field School](#)
- [ANT333Y1 Living Primate Adaptations](#)
- [ANT334H1 Human Skeletal Biology](#)
- [ANT335Y1 Human Evolution](#)
- [ANT336H1 Evolutionary Anthropology Theory](#)
- [ANT337H1 Human Movement](#)
- [ANT338H1 Molecular Anthropology and Human Evolution](#)
- [ANT371H1 Human Nutritional Ecology](#)
- [ANT388H1 Anthropologists and Indigenous Peoples in North America](#)
- [ANT390H1 Special Topics in Anthropology](#)
- Note: ANT390H1 may be placed in either Group A or B or C depending on the topic which will vary from year to year.
- [ANT419H1 Current Debates in Palaeolithic Archaeology](#)
- [ANT430H1 Primate Conservation Biology](#)
- [ANT431H1 The Real Planet of the Apes](#)
- [ANT434H1 Health, Diet & Disease in the Past](#)
- [ANT435H1 Anthropology of Childhood and Childcare](#)
- [ANT436H1 Primate Ecology & Social Behavior](#)
- [ANT437H1 Introduction to Virtual Anthropology](#)
- [ANT438H1 Topics in Emerging Scholarship \(Evolutionary Anthropology\)](#)
- [ANT481H1 Special Topics in Evolutionary Anthropology](#)
- [ANT491Y1 Internship in Anthropology](#)
- [ANT491H1 Internship in Anthropology](#)
- [ANT497Y1 Independent Research](#)
- [ANT498H1 Independent Research](#)
- [ANT499H1 Independent Research](#)
- [HAJ453H1 AIDS: A Global Perspective](#)

C: Society, Culture, and Language

- [ANT204H1 Social Cultural Anthropology and Global Issues](#)

- [ANT207H1 Core Concepts in Social and Cultural Anthropology](#)
- [ANT208H1 Medical Anthropology: an Evolutionary Perspective on Human Health](#)
- [ANT299Y1 Research Opportunity Program](#)
- [ANT322H1 Anthropology of Youth Culture](#)
- [ANT324H1 Tourism & Globalization](#)
- [ANT343H1 Social Anthropology of Gender](#)
- [ANT345H1 Global Health: Anthropological Perspectives](#)
- [ANT346H1 Anthropology of Food](#)
- [ANT347H1 Metropolis: Global Cities](#)
- [ANT348H1 Medical Anthropology: Social- Cultural Perspectives](#)
- [ANT349H1 Anthropology and New Technologies](#)
- [ANT351H1 Contested Environments](#)
- [ANT356H1 Anthropology of Religion](#)
- [ANT358H1 Medical Anthropology and Social Justice](#)
- [ANT362H1 Sports and Play](#)
- [ANT364H1 Environment & Globalization](#)
- [ANT366H1 Anthropology of Activism and Social Justice](#)
- [ANT368H1 Nature Culture Human](#)
- [ANT370H1 Introduction to Social Anthropological Theory](#)
- [ANT371H1 Human Nutritional Ecology](#)
- [ANT372H1 Cultural Property](#)
- [ANT374H1 Rethinking Development, or the Improvement of the World](#)
- [ANT376H1 Anthropology of Animals](#)
- [ANT378H1 Gift, Money, and Finance](#)
- [ANT380H1 Craft of Social/Cultural Anthropology](#)
- [ANT384H1 Special Topics in Society, Culture and Language](#)
- [ANT386H1 Global Catholicism: Anthropological Approaches](#)
- [ANT388H1 Anthropologists and Indigenous Peoples in North America](#)
- [ANT390H1 Special Topics in Anthropology](#)
- Note: ANT390H1 may be placed in either Group A or B or C depending on the topic which will vary from year to year.
- [ANT426H1 Western Views of the Non-West](#)
- [ANT435H1 Anthropology of Childhood and Childcare](#)
- [ANT440H1 Society in Transition](#)
- [ANT441H1 Love, Sex, and Marriage](#)
- [ANT445H1 Science as Culture and Practice](#)
- [ANT450H1 Nature, Culture and the City](#)
- [ANT452H1 Anthropology & Human Rights](#)
- [ANT456H1 Queer Ethnography](#)
- [ANT457H1 Anthropology of Material Culture](#)
- [ANT459H1 Multispecies Ethnography](#)
- [ANT460H1 Global Perspectives on Womens Health](#)
- [ANT462H1 Anthropology of Affect](#)
- [ANT473H1 Ethnographic Practicum: The University](#)
- [ANT474H1 Ethnographies of HIV/AIDS: Risk, Vulnerability, and Care](#)
- [ANT475H1 Reading Ethnography](#)
- [ANT476H1 Body, Self and Sociality](#)
- [ANT480H1 Special Topics in Anthropological Research](#)
- [ANT484H1 Special Topics in Social Cultural Anthropology](#)
- [ANT485H1 Topics in Emerging Scholarship \(Society, Culture and Language\)](#)
- [ANT486H1 Special Topics: Socio-Cultural Research Seminar](#)

- [ANT490Y1 Field Course in Social and Cultural Anthropology](#)
- [ANT491Y1 Internship in Anthropology](#)
- [ANT491H1 Internship in Anthropology](#)
- [ANT497Y1 Independent Research](#)
- [ANT498H1 Independent Research](#)
- [ANT499H1 Independent Research](#)
- [JAH391Y0 Topics in Anthropology and History](#)
- [JAH391H1 Topics in Anthropology and History](#)
- [JNH350H1 AIDS : Challenges and Successes](#)
- [NEW250Y1 Africa in the 21st Century: Challenges and Opportunities](#)
- [NMC356H1 Anthropology of Islam](#)
- [VIC225Y1 A History of the World in Objects](#)

Subgroup C (i): (Society, Culture and Language-Area)

- [ANT327H1 "Diversity": Critical/Comparative Studies of Indigeneity, Multiculturalism and \(Settler\) Colonialism](#)
- [ANT340H1 Anthropology of Latin America](#)
- [ANT341H1 China in Transition](#)
- [ANT455H1 Ethnographic Approaches to the Middle East and North Africa](#)
- [ANT458H1 Settler-Colonialism and Indigenous Health in Canada](#)
- [ANT472H1 Japan in Global Context: Anthropological Perspectives \(formerly ANT354Y1 and ANT354H1\)](#)
- [ANT477H1 Transnational Korea in and outside the Peninsula](#)
- [NEW316H1 Caribbean Religions](#)
- [NMC241H1 Anthropology of the Middle East](#)

Subgroup C (ii): (Society, Culture and Language – Linguistic)

- [ANT253H1 Language & Society](#)
- [ANT329H1 Language & Power Structure](#)
- [ANT425H1 Language in Anthropological Thought](#)
- [ANT427H1 Language, Ideology, & Political Economy](#)
- [ANT483H1 Special Topics in Linguistic Anthropology](#)
- [ANT497Y1 Independent Research](#)
- [ANT498H1 Independent Research](#)
- [ANT499H1 Independent Research](#)
- [JAL328H1 Writing Systems](#)
- [JAL353H1 Conversational Structures](#)
- [JAL355H1 Language and Gender](#)
- [JAL401H1 Field Linguistics](#)
- [SLA380H1 Language, Politics, Identity](#)

Anthropology Courses

ANT100Y1 - Introduction to Anthropology

Hours: 48L/12T

Society and culture from various anthropological perspectives: socio-cultural, evolutionary, archaeological, and linguistic.

Distribution Requirements: Social Science

Breadth Requirements: Living Things and Their Environment (4); Society and its Institutions (3)

ANT195H1 - Speculative Fiction and Social Reality

Hours: 24S

How do the imagined worlds of speculative fiction reflect, and reflect upon, the real worlds of their authors and audiences? And on the other hand, how can works of speculative fiction have real-world impacts? Is speculative fiction different, in either of these respects, than other genres of narrative? This course explores a variety of works of speculative fiction from the perspective of an anthropological interest in ideas, imaginations, and narratives in relation to social life. Restricted to first-year students. Not available for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

ANT196H1 - Observing Everyday Life

Hours: 24S

Informal introduction to the notion of “everyday life” in anthropology and related humanities and social science disciplines. How seemingly insignificant, ordinary events and behaviors shape and are shaped by large societal patterns. Students will learn to interpret their own observational experiences with reference to relevant anthropological and other analytical frameworks. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT197H1 - Representations of Intellectuals

Hours: 24S

The course explores ideas of intellectuals who carved transformative theories during war times or under repressive regimes in the twentieth century. Intellectuals featured in the course include Rosa Luxemburg, Frantz Fanon, Walter Benjamin, Lu Xin, Audre Lorde. Further, it would examine cultural representations of them, such as, graphic novels, fictions, essays, films and videos on them or relatable to their ideas. For example, it would assign reading of *Red Rosa*, a graphic novel of Luxemburg together with her own work *Theory of Imperialism*. Or it would juxtapose Lorde's classic, *Sister Outsider*, with Octavia Butler's science fiction, *Parable of the Sower*. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT200Y1 - Introduction to Archaeology

Hours: 48L/24T

How did art and technology develop in the course of human evolution? What led to the development of agriculture and settled village life? How did social inequality and urbanism emerge? This course takes a global perspective to explore the archaeological evidence that sheds light on these questions and other aspects of prehistory and early history. Students will engage with the challenges posed by new discoveries and also with recent developments in archaeological method and theory. The goal of the course is to involve students with the current state of archaeological research and some of the major issues archaeologists work to address.

Recommended Preparation: ANT100Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT198H1 - Nature: A Cultural Introduction

Hours: 24S

The distinction (or dualism) between nature and culture is often described as a central feature of the western cultural imagination and of "modernity." The nature/culture dualism is also relevant to many current debates about ecology and environment. This course explores various approaches to "nature" through a variety of written and visual texts, and focuses on representations of the nature/culture dualism. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Creative and Cultural Representations (1)

ANT203Y1 - The Nature of Humans

Hours: 48L/24P

This course examines where humans fit in the fabric of the natural world. It explores the history of ideas about humans in nature, humans as primates, the story of human evolution and modern human physical and genetic diversity.

Recommended Preparation: ANT100Y1/ BIO120H1, BIO220H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

ANT199H1 - Living on the Water in Toronto

Hours: 24S

What do the Great Lakes mean to people living here? Especially Indigenous people? When and how do people care about the Great Lakes? Poems, stories, social science offer perspectives on the water from anthropology and arts. Field trips including paddling on a river, hiking; talks with local activists and artists. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT204H1 - Social Cultural Anthropology and Global Issues

Previous Course Number: ANT204Y1

Hours: 24L/12T

A course focused on recent anthropological scholarship that seeks to understand and explain the transformation of contemporary societies and cultures. Topics may include some of the following: new patterns of global inequality, war and neo-colonialism, health and globalization, social justice and indigeneity, religious fundamentalism, gender inequalities, biotechnologies and society etc.

Exclusion: ANT204Y1

Recommended Preparation: ANT100Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT207H1 - Core Concepts in Social and Cultural Anthropology

Hours: 24L/12T

Society, culture, kinship, exchange, community, identity, politics, belief: these and other core concepts are explored in this course, which lays the foundation for advanced courses in social and cultural anthropology.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ARH305H1 - Archaeological Interpretation

Hours: 24L

Transforming archaeological results into statements about people and their life ways. Covers basic archaeological theory, including research design, sampling, stratigraphy, seriation, formation and testing or evaluation of hypotheses, regional analyses. Introduces some of the major schools of archaeological theory, including New Archaeology and Post-Processual Archaeology.

Prerequisite: ANT200Y1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

ANT208H1 - Medical Anthropology: an Evolutionary Perspective on Human Health

Hours: 24L/10T

Introduction to applied evolutionary medical anthropology. It explores evidence for the evolution of human vulnerability to disease across the life cycle (conception to death) and implications for health of contemporary populations in gendered cross-cultural perspective.

Recommended Preparation: ANT100Y1/ BIO120H1

Distribution Requirements: Science; Social Science

Breadth Requirements: Living Things and Their Environment (4)

ARH306Y1 - Archaeological Field Methods

Hours: 12L/61P

Intensive instruction in archaeological field methods and acquisition of field skills, including archaeological search and survey, site mapping, laying out excavation grids, use of theodolites, total station, and GPS, stratigraphic excavation, stratigraphy, field recording, screening sediment, Ontario license and reporting requirements. Normally this course would take place on campus in the summer. This course has a mandatory Lab Materials Fee of \$25 to cover non-reusable materials. The fee will be included on the student's ACORN invoice.

Prerequisite: ANT200Y1 or (NMC260H1 and NMC262H1) or NMC261Y0

Distribution Requirements: Social Science

ANT253H1 - Language & Society

Hours: 24L

This course introduces linguistic analysis with a view towards its application to the study of the relation between culture and social structure. The interplay of pronunciation, grammar, semantics, and discourse with rituals, ideologies, and constructions of social meaning and worldview are discussed in tandem with the traditional branches of linguistic analysisphonology, morphology, grammar, syntax, and semantics. The objective of the course is to provide a broad framework for understanding the role of language in society.

Exclusion: JAL253H1

Recommended Preparation: ANT100Y1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

ARH309H1 - Archaeology, Ethics, and the Public

Hours: 24L

An analysis of ethics in contemporary archaeology that covers reburial and repatriation, interpretation of the archaeological record in the context of historically oppressed groups, ethnic minorities, and non-western societies, the ethics of collecting and managing cultural property, relationships with the media, the debates surrounding looting, and other issues.

Prerequisite: ANT200Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT299Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

ANT311Y0 - Archaeological Fieldwork

Hours: TBA

ANT311Y1 - Archaeological Fieldwork**Hours:** TBA

Practical field training through six weeks of excavation on an archaeological site. Basic principles of artifact handling and classification. (Offered only in Summer Session) Not eligible for CR/NCR option.

Prerequisite: ANT200Y1**Distribution Requirements:** Social Science**ANT315H1 - Arctic Archaeology****Hours:** 24L

Archaeology and ethnohistory of Arctic cultures. Emphasis is on variation in social organization, settlement pattern, economy, ideology, and interaction with the expanding European world-system.

Prerequisite: ANT200Y1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**ARH312Y1 - Archaeological Laboratory****Hours:** 28L/44P

Techniques for making archaeological data meaningful after excavation or survey. Archaeological measurements, compilation of data, database design, archaeological systematics, and sampling theory in the context of lithics, pottery, floral, faunal and other archaeological remains.

Prerequisite: ANT200Y1 and a half statistics course (e.g. GGR270H1*, STA220H1, STA221H1, STA257H1, STA261H1, ANTC35H3**. Note: *Geography Pre- or co-requisites waived for Anthropology and Archaeology students; ** to be taken at the Scarborough Campus

Distribution Requirements: Social Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ANT316H1 - Ancient Cultures of Mesoamerica**Hours:** 24L

This course provides an introduction to the cultures of Mesoamerica, from the first arrival of indigenous peoples to the appearance of the Spaniards in the sixteenth century. Students will become acquainted with cultures including Olmec, Zapotec, Teotihuacan, Maya, and Aztec, while also considering issues of method and evidence.

Prerequisite: ANT200Y1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**ANT317H1 - Archaeology of Eastern North America****Hours:** 24L

This course examines the precontact and early contact period culture history of eastern North America, including Ontario, through archaeological evidence. Topics covered include the earliest peopling of the region at the end of the Ice Age, diversity of hunter-gatherer societies, introduction of agriculture, and the development of the dynamic First Nations societies who eventually met and interacted with Europeans.

Prerequisite: ANT200Y1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**ANT314H1 - Archaeology of the Pacific Northwest****Hours:** 24L

An archaeological survey of the human prehistory of northwestern North America from the late Pleistocene to the time of early European contact. Geographical coverage will include the Northwest Coast, California, and the Intermontane Plateau.

Prerequisite: ANT200Y1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)

ANT318H1 - The Preindustrial City and Urban Social Theory

Hours: 24L

This course offers a comparative examination of the rise and organization of ancient cities through a detailed investigation of urban social theory. We will explore competing anthropological interpretations of urban process while probing the political, ideological, and economic structures of the world's earliest cities. Students will have the opportunity to consider a broad range of subjects, including mechanisms of city genesis; urban-rural relations; the intersections of city and state; and historical variation in urban landscapes, ideologies, and political economies.

Prerequisite: ANT200Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT322H1 - Anthropology of Youth Culture

Hours: 24L

This course will present various perspectives on the nature and dynamics of youth culture. It will discuss the research accumulated over the past quarter century on youth lifestyles, from fashion and music to the formation and spread of slang. It will also look at the various critical and controversial aspects of adolescence in contemporary culture.

Prerequisite: ANT204H1 or ANT207H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT319Y1 - Archaeology of North America

Previous Course Number: ANT310Y1

Hours: 48L

This course examines human prehistory in North America, North of Mexico, from the time of earliest occupation to European contact. Special topics include Paleoindian and Archaic adaptations, the rise of complex hunter-gatherers, origins of farming and the evolution of complex chiefdoms.

Prerequisite: ANT200Y1

Exclusion: ANT309H1, ANT310Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT324H1 - Tourism & Globalization

Previous Course Number: ANT443H1

Hours: 24L

The course uses tourism as a lens to examine global connections. Particular focus will be on the politics of cultural encounters. Drawing examples from diverse ethnographic materials, the course explores how different visions of the world come into contact, negotiated and transformed, and how tourist encounters shape peoples everyday lives.

Prerequisite: ANT204H1 or ANT207H1

Exclusion: ANT443H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT327H1 - "Diversity": Critical/Comparative Studies of Indigeneity, Multiculturalism and (Settler) Colonialism

Hours: 24L

How do societies understand and manage their own diversity? This course unites critical studies of multiculturalism and settler colonialism to study Canada, Australia, New Zealand, and the U.S., also examining strategies in other sites for managing diversity which are framed differently (e.g. superdiversity (Europe), co-existence (Japan), multiracialism (Hawai'i), mestizogenesis (Mexico)).

Prerequisite: ANT204H1 or ANT253H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT320H1 - Ancient Cultures of the Andes

Hours: 24L

This class offers intensive study of the archaeology and culture history of the Andean region prior to the Spanish conquest. The complexity and distinctiveness of Andean social organization, political institutions, religious ideologies, and economic practices have long fascinated anthropologists. Ultimately, the course will explore Andean cultures over a 10,000 year period, highlighting key debates, current research projects, and innovative theoretical approaches shaping contemporary archaeological scholarship in South America and beyond.

Prerequisite: ANT100Y1 or ANT200Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

JAL328H1 - Writing Systems

Hours: 36L

Introduction to writing systems; their historical development, their relationship to language, and their role in culture and society. (Given by the Departments of Anthropology and Linguistics) (Not offered every year)

Prerequisite: ANT100Y1/ LIN101H1/ LIN200H1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

ANT333Y1 - Living Primate Adaptations

Hours: 48L/24P

A survey of living primates, this lab-oriented course describes and compares the diverse behavioural and anatomical adaptations that are characteristic to this order of mammals. The understanding of the biological diversity and evolutionary history of primates is important for further understanding of human adaptation and evolution.

Prerequisite: ANT203Y1

Exclusion: ANT333H1

Recommended Preparation: ANT334H1; BIO120H1, BIO220H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

ANT329H1 - Language & Power Structure

Previous Course Number: ANT329Y1

Hours: 24L/4T

The role of language and symbolism in the representation and manipulation of ideology and power structure. Case materials drawn from the study of verbal arts, gender, law, advertising, and politics with a focus on North America.

Prerequisite: ANT204H1 or ANT207H1 or ANT253H1 or VIC223Y1 or one of 200+ series H1 course in SOC or POL or LIN or Women's Studies

Exclusion: ANT329Y1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

ANT334H1 - Human Skeletal Biology

Previous Course Number: ANT334Y1

Hours: 24L/24P

Exploration of the development and maintenance of the human skeleton and dentition, with emphasis on application to archaeological, forensic and biomedical sciences.

Prerequisite: ANT203Y1

Exclusion: ANT334Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

ANT330Y1 - Paleoanthropology Field School

Hours: 24L/78P

This course provides background in the practical and theoretical aspects of fieldwork in Paleoanthropology. Students are trained in the treatment and analysis of fossil vertebrates, plant macro- and micro-fossils and sediments. Excursions to paleoanthropological localities of Homo erectus and Homo sapiens, and excavation at a hominoid site. (Joint undergraduate-graduate) Not eligible for CR/NCR option. Additional fees of up to \$2500 for field trip costs will apply.

Prerequisite: ANT203Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

ANT335Y1 - Human Evolution

Hours: 24L/36P

This course takes the student on a survey of human evolution from our ape ancestors to modern humans. Students will learn to identify skulls, teeth and limb bones, explore hundreds of casts, and learn how researchers understand human origins and trends in the development of human anatomy and behavior.

Prerequisite: ANT203Y1

Exclusion: ANT429H1, ANT332H5, ANT333H5, ANT434H5, ANTC17H3

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

ANT336H1 - Evolutionary Anthropology Theory

Hours: 24L

This course will explore the foundational and leading concepts in evolutionary anthropology. Historically important readings and current concepts will be presented and discussed in the context of research, especially in areas of human population biology, ecology and the evolution of *Homo sapiens*. Topics will include behavioral ecology and life history theory, as well as a critique of the adaptationist program.

Prerequisite: ANT203Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

ANT337H1 - Human Movement

Hours: 24L/24P

This course will investigate human movement and physical activity patterns through the lens of evolutionary anthropology. The evolution of hominin physical behaviours, such as bipedalism and tool use, will be explored alongside the morphological traits associated with these behaviours. We will also examine social and cultural factors that may moderate physical activities among diverse human groups, including subsistence strategy variation and contemporary views on activity and exercise.

Prerequisite: ANT203Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

ANT338H1 - Molecular Anthropology and Human Evolution

Hours: 24L/12P

Molecular anthropology is an interdisciplinary field combining biology, genetics, evolution and anthropology. In this class, we will explore the use of DNA for the study of past migrations and admixture patterns, the evolution of pathogens, plant and animal domestication and especially the relationships between recent and archaic humans.

Prerequisite: ANT203Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

ANT340H1 - Anthropology of Latin America

Hours: 24L

Provides a framework for understanding current anthropological issues in the different geo-political regions of Latin America. Special attention will be paid to historical/conceptual development of the discipline in the region, and the course will introduce a debate about the death and resurgence of area studies.

Prerequisite: ANT207H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT341H1 - China in Transition

Previous Course Number: ANT341Y1

Hours: 24L

This course offers a general introduction to transformations in modern and contemporary China from an anthropological perspective. This course covers major aspects of Chinese culture, history, and society in a global context.

Prerequisite: ANT207H1

Exclusion: ANT341Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT343H1 - Social Anthropology of Gender

Previous Course Number: ANT343Y1

Hours: 24L

Social anthropological perspectives on variations in gender roles and systems. Examines, through comparison of ethnography, the relationship of gender to social organization, economic and political processes, belief systems and social change.

Prerequisite: ANT207H1

Exclusion: ANT343Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT345H1 - Global Health: Anthropological Perspectives

Hours: 24L

This course examines medical anthropology's contributions to, and critiques of, global health policies and programs. Topics covered include: colonialism and health, the political ecology of disease, indigenous constructions of illness and healing, medical pluralism, the politics of primary health care, population policies, reproductive health, and AIDS.

Prerequisite: ANT207H1 or permission of the instructor

Recommended Preparation: ANT348H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT348H1 - Medical Anthropology: Social-Cultural Perspectives

Previous Course Number: ANT348Y1

Hours: 24L/5T

This course provides an advanced introduction to medical anthropology as a sub-field of social-cultural anthropology. Students will learn about a range of approaches and concepts useful for analysing health and illness as social, cultural, political and historical phenomena: illness narratives and experience, subjectivities, medical pluralism, bio-power, and structural violence. Topics will include inequities in health, the relationship between medical anthropology and global health, medical humanitarianism, and the role of medical anthropologists in activism and advocacy.

Prerequisite: ANT204H1 or ANT207H1 or permission of the instructor. (Note: ANT208H1 is not accepted preparation for this course.)

Exclusion: ANT348Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT346H1 - Anthropology of Food

Hours: 24L

Social anthropological perspective on the nature and meaning of food production, culinary cultures, industrial food, food as metaphor, and famine and hunger.

Prerequisite: ANT204H1 or ANT207H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT349H1 - Anthropology and New Technologies

Previous Course Number: ANT442H1

Hours: 24L

This course explores the relationship between technology and culture through a focus on new media and technological infrastructures. Anticipating a future of driverless cars and big data, we examine how social theorists, cultural critics and ethnographers have sought to understand the socio-cultural dimensions of earlier waves of rapid technological change.

Prerequisite: ANT207H1

Exclusion: ANT442H1

Distribution Requirements: Social Science

Breadth Requirements: Creative and Cultural Representations (1)

ANT347H1 - Metropolis: Global Cities

Hours: 24L

The role of culture, cultural diversity, space and performance in urban institutions and settings. The cultural context and consequence of urbanization.

Prerequisite: ANT207H1

Exclusion: ANT347Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT351H1 - Contested Environments

Hours: 24L

This course utilizes a social movements perspective to examine the various kinds of conflicts emerging over environment, including disputes over food, animal rights, parks, wilderness, energy, and water. Building on the anthropological literature on landscape and political ecology, this course explores the various ways in which social movement constituencies are responding to and engaging with the uncertain and uneven nature of environmental change.

Prerequisite: ANT204H1 or ANT207H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

JAL353H1 - Conversational Structures

Hours: 36L

Conversational Structures is an introduction to the detailed observation of ordinary conversational interaction, and to some of the main ways in which such interaction is organized. The focus is on developing the capacity to discern orderliness in the details of everyday interaction, and beginning independent research in this area. (Given by the Departments of Anthropology and Linguistics). Not offered every year.

Prerequisite: (LIN101H1, LIN102H1)/ LIN200H1/ ANT253H1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

JAL355H1 - Language and Gender

Hours: 24L

An introduction to some of the principal questions of feminist theory, as viewed from sociolinguistics. Topics include: socialization into gendered discourse patterns, cultural and ethnic differences in gendered interactions; the role of language and gender in legal, medical and labour settings; multilingualism, migration, imperialism and nationalism; sexuality, desire and queer linguistics, language, gender and globalization.

Prerequisite: One FCE at the 200-level in LIN/ANT/JAL/SOC/WGS

Recommended Preparation: ANT204H1/ ANT253H1/ SOC200H1/ SOC214H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT356H1 - Anthropology of Religion

Hours: 24L

This course introduces anthropological definitions of religion; debates on rituals and rites of passage; rationality, religion and modernity; belief and body; religion and the media. It also engages with studies in the anthropology of popular and transnational religion, and the politics of religious movements.

Prerequisite: ANT207H1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

ANT358H1 - Medical Anthropology and Social Justice

Hours: 24L

It is widely acknowledged that sharp disparities in disease burden and access to medical care characterize global patterns in health. These disparities affect the life chances of much of the world's population, based on class position, gender, and geographical region.

Prerequisite: ANT204H1 or ANT207H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ARH360H1 - Prehistory of the Near East (formerly ANT360Y1)

Hours: 24L

From earliest times through the rise of complex hunter-gatherers, and the food producing revolution to politically complex societies in Southwest Asia.

Prerequisite: ANT200Y1 or NMC260H1 and NMC262H1

Exclusion: ARH360Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ARH361H1 - Field Archaeology

Hours: TBA

Opportunity for students participating in non-degree credit archaeological digs to submit reports, field notes and term papers for degree credit. Not eligible for CR/NCR option.

Prerequisite: Permission of Undergraduate Co-ordinator and Supervisor

Distribution Requirements: Social Science

ANT362H1 - Sports and Play

Hours: 24L

We tend to think of sports as unserious. This course shows that much serious cultural work is conducted through sports, but also that sports are indeed not always serious. This anthropology of sports engages with sports as both work and play, considering issues like gender, bodies, competition, and pleasure.

Prerequisite: ANT204H1 or ANT207H1

Distribution Requirements: Social Science

Breadth Requirements: Creative and Cultural Representations (1)

ANT364H1 - Environment & Globalization

Previous Course Number: ANT364Y1

Hours: 24L

This course will examine the relationships between humans and the environment in the context of contemporary efforts to develop within or in opposition to the political economy of neoliberal globalization. We will critically examine the discourses of progress and environment within a broader theoretical inquiry of structure/agency and power.

Prerequisite: ANT204H1 or ANT207H1

Exclusion: ANT364Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT370H1 - Introduction to Social Anthropological Theory

Hours: 24P

An in-depth critical review of foundational ideas in the development of the practice of Anthropology. Topics may include questioning fieldwork, origins and legacies of functionalism, cultural materialism, politics of culture, power and political economy, globalization and post modernism, gender and post-structuralism.

Prerequisite: ANT207H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT371H1 - Human Nutritional Ecology

Previous Course Number: ANT471H1

Hours: 24L

A detailed review of human dietary adaptations, subsistence strategies and the suite of cognitive, cultural and life history traits that make humans so adaptable. Focus is on the relevance of the past to understanding the modern world food system and finding solutions to contemporary problems in population, food, and health.

Prerequisite: ANT203Y1 or ANT207H1 or ANT208H1

Exclusion: ANT471H1

Distribution Requirements: Science; Social Science

Breadth Requirements: Society and its Institutions (3)

ANT372H1 - Cultural Property

Hours: 24L

This course explores the relationship between cultural property and everyday life through the themes of movement, ownership and value. Case studies, current events and debates help students understand how heritage is informed by the multiple values of cultural property. This course addresses issues of cultural property and heritage in the contemporary world that are relevant to all subfields of anthropology.

Prerequisite: ANT100Y1 or ANT200Y1 or ANT204H1 or ANT207H1 or ANT253H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT368H1 - Nature Culture Human

Hours: 24L

What is “nature” and how does it relate to the way in which “culture” is conceptualized? How do race, class, gender, sexuality and ability structure our experiences of both nature and ourselves as human beings? This course explores these questions through engagements with a variety of texts.

Prerequisite: ANT204H1

Exclusion: ANT110H1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

ANT374H1 - Rethinking Development, or the Improvement of the World

Hours: 36L

Development, or deliberate intervention to improve the lives of people deemed to be lacking, or left behind, has shaped the modern world for at least a century. Drawing on historical and ethnographic studies, this course examines the trajectory of development as a concept and practice, and traces its effects.

Prerequisite: ANT207H1 or permission of the instructor

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT380H1 - Craft of Social/Cultural Anthropology

Previous Course Number: ANT210H1

Hours: 36S

This course introduces students to the skills they need to conduct ethnographic research, in particular, participant observation, in-depth interview, as well as writing fieldnotes and research proposals. The emphasis is on interactive, workshop-style small group learning.

Prerequisite: ANT207H1

Exclusion: ANT210H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT376H1 - Anthropology of Animals

Hours: 24L

The relationship between humans and other animals is one of the most hotly debated topics of our times. Through key classic and contemporary writings, this course introduces students to the interdisciplinary field of animal studies, and explores how anthropologists and other theorists have critically engaged in debates about animal and human distinctions.

Prerequisite: ANT204H1 or ANT207H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT384H1 - Special Topics in Society, Culture and Language

Hours: 24L

This lecture-format course focuses on a relatively broad topic in socio-cultural and/or linguistic anthropology. Topics change from year to year. For the 2015-16 academic year, the title of this course is "Nature, Culture, Human".

Prerequisite: ANT207H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT378H1 - Gift, Money, and Finance

Hours: 24L

This course introduces dialogue between anthropological literature and other disciplinary studies in regards to the economy and culture of gift and money transaction as a key aspect of human society. Studying the history of gift and money economy from agricultural societies and diverse developments of finance market culture in recent era through various perspectives (e.g., ethnographic, sociological, politico-economic, and historical views), this course aims to train students developing a critical understanding of capitalism.

Prerequisite: ANT204H1 or ANT207H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT386H1 - Global Catholicism: Anthropological Approaches

Hours: 24L

This is a course on material religion and mediation, kingdom and kinship, gender symbolisms and devotions, ecologies of selves and the histories of senses that infuse Catholicism. It challenges us to think about the importance of Catholicism as a global phenomenon expressed through socio-political and cultural practices of the everyday life.

Prerequisite: ANT204H1 or ANT207H1 or SMC103Y1 or RLG212H1 or RLG203H1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

ANT388H1 - Anthropologists and Indigenous Peoples in North America

Hours: 24L

Indigenous scholars (including anthropologists), intellectuals and activists have publicly challenged the ethical and political implications of anthropological research in, on and with Indigenous nations and communities. This course takes such critiques as jumping-off points from which to explore historical and contemporary relations between anthropologists and Indigenous peoples in North America.

Prerequisite: ANT200Y1 or ANT203Y1 or ANT204H1 or ANT207H1 or ANT208H1 or ANT253H1

Recommended Preparation: ABS201Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

JAH391Y0 - Topics in Anthropology and History

Hours: 48S

Anthropological and Historical perspectives on topics that vary from year to year.

Recommended Preparation: ANT207H1 or a course in European History

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

ANT395Y0 - Special Topics in Anthropology

Hours: 48S

Studies in anthropology taken abroad. Areas of concentration vary depending on the instructor and year offered.

Recommended Preparation: ANT100Y1 or ANT200Y1 or ANT203Y1 or ANT204H1 or ANT207H1

Distribution Requirements: Social Science

ANT396Y0 - Special Topics in Anthropology

Hours: 48S

Studies in anthropology taken abroad. Areas of concentration vary depending on the instructor and year offered.

Recommended Preparation: ANT100Y1 or ANT200Y1 or ANT203Y1 or ANT204H1 or ANT207H1

Distribution Requirements: Social Science

ANT398H0 - Research Excursions

Hours: TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

ANT398Y0 - Research Excursions**Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Social Science**JAL401H1 - Field Linguistics****Hours:** 48P

Field Linguistics provides practice in language analysis based on elicited data from a native speaker of an indigenous or foreign language, emphasizing procedures and techniques. (Given by the Departments of Anthropology and Linguistics)

Prerequisite: Completion of LIN322H1 and LIN331H1 or permission of the instructor**Exclusion:** LIND46H3**Distribution Requirements:** Social Science**Breadth Requirements:** Thought, Belief and Behaviour (2)**ANT406H1 - Lithic Analysis****Hours:** 24L/12P

Core reduction strategies, replication, experimental archaeology, use-wear, design approaches, ground stone, inferring behaviour from lithic artifacts.

Prerequisite: ANT200Y1 and ARH312Y1 and ARH305H1**Distribution Requirements:** Social Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**ANT407H1 - Inka and Aztec States****Hours:** 24L

This course provides a comparative study of the emergence, organization, and transformation of the two historically-documented states of the native Americas: the Inka and the Aztec. Students will have the opportunity to analyze ethnohistorical and archaeological data in order to critically evaluate models of the pre-industrial state while gauging the anthropological significance of either convergence or particularity in the historical development of centralized political formations.

Prerequisite: ANT200Y1 and ARH305H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**ANT409H1 - Landscape Archaeology****Hours:** 24L/12P

Archaeological survey, spatial analysis of archaeological evidence over landscapes and territories, and ways archaeologists attempt to interpret landscapes, regional settlement systems, agricultural land use, regional exchange and communication, and past people's perceptions of or ideas about landscape.

Prerequisite: ARH305H1**Recommended Preparation:** GGR270H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**ANT410H1 - Hunter-Gatherers Past & Present****Hours:** 24S

Examines the diversity of recent hunter-gatherer societies, as a source of analogues for understanding the archaeological record of past foraging peoples.

Prerequisite: ARH305H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**ANT411H1 - Advanced Archaeological Theory****Hours:** 24S

Seminar in the critical examination of major schools of archaeological thought.

Prerequisite: ARH305H1**Distribution Requirements:** Social Science**Breadth Requirements:** Thought, Belief and Behaviour (2)**ANT412H1 - Historical Archaeology****Hours:** 16L/8P

Introduces the problems, methods and some of the material culture of colonial and industrial archaeology with emphasis on Canada and colonial America. Covers the use of documentary evidence, maps, architecture, and a variety of artifact classes.

Prerequisite: ANT200Y1 or HIS374H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)

ANT415Y1 - Laboratory in Faunal Archaeo-Osteology

Hours: 48P/48S

Examination and interpretation of faunal material from archaeological sites as evidence for culture.

Prerequisite: ARH312Y1

Distribution Requirements: Science; Social Science

Breadth Requirements: Living Things and Their Environment (4); The Physical and Mathematical Universes (5)

ANT425H1 - Language in Anthropological Thought

Previous Course Number: ANT325H1

Hours: 24L

How ideas about language fit into the overall views of humankind as expressed by selected anthropologists, linguists, sociologists, and philosophers.

Prerequisite: ANT204H1 or ANT207H1 or ANT253H1 and 0.5 300+ level course from Group C

Exclusion: ANT425Y1; ANT325H1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

ANT416H1 - Archaeology of Ritual and Identity

Hours: 24L

This course offers a comparative survey of archaeological approaches to ritual practice as it relates to identity politics, personhood, and the negotiation of power relations in past societies. An important goal of the seminar is to introduce students to social theories on the inherent materiality of ritual performance, whether orchestrated in everyday practice or in elaborate religious and political spectacles.

Prerequisite: ARH305H1 and one of ANT100Y1/ ANT200Y1/ ANT356H1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

ANT426H1 - Western Views of the Non-West

Hours: 24S

The history and present of western concepts and images about the 'Other', in anthropological and other scholarship and in popular culture.

Prerequisite: 0.5 300 level FCE from Anthropology Group C (Society, Culture, Language), or NMC or Jewish Studies or Diaspora and Transnational Studies or History

Distribution Requirements: Social Science

Breadth Requirements: Creative and Cultural Representations (1)

ANT419H1 - Current Debates in Palaeolithic Archaeology

Hours: 24S

Current research in Palaeolithic Archaeology reflecting emerging issues.

Prerequisite: ANT200Y1 or ANT203Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT427H1 - Language, Ideology, & Political Economy

Hours: 24S

Theoretical and empirical studies on the role of language in the reproduction and transformation of ideology, hegemony and political economy. Topics may include language & colonialism, imperialism, globalization, nationalism, racism, sexism, bureaucratic interactions, environmentalism, migration, gentrification. Compares and contrasts critical discourse analytic and linguistic anthropological approaches to method and politics.

Prerequisite: ANT253H1

Recommended Preparation: ANT329H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT420H1 - Archaeology of Inequality

Hours: 24L

How social complexity is manifested in the archaeological record. Origins and evolution of prehistoric complex societies, from small-scale chiefdoms to large-scale states.

Prerequisite: ANT200Y1 and ARH305H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT430H1 - Primate Conservation Biology**Hours:** 24L

The focus of this course is on the science of primate conservation biology in an anthropological context. Topics will include primate biodiversity and biogeography, human impacts, and conservation strategies/policies. The effects of cultural and political considerations on primate conservation will also be discussed.

Prerequisite: ANT203Y1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**ANT435H1 - Anthropology of Childhood and Childcare****Hours:** 24L

A detailed review of the classic and recently emerging literature on the anthropology of children, childhood, and childcare. Focus is on theories for evolution of human parenting adaptations, challenges in research methodology and implications for contemporary research, practice and policy in the area of care and nutrition of infants and children.

Prerequisite: ANT203Y1**Distribution Requirements:** Social Science; Science**Breadth Requirements:** Living Things and Their Environment (4)**ANT431H1 - The Real Planet of the Apes****Hours:** 12L/12P

Through fossil labs and lectures, we look back over 30 to 5 million years ago when apes roamed from Spain to China and Germany to Southern Africa. The fossil record of these apes, our ancestors, reveals how we evolved our large brains, dexterous hands, extended growth period and incredible intelligence. We encounter many surprises along the way, such as apes living with pandas in Hungary, animals with a mix of monkey, ape and pig traits and apes the size of polar bears. Of the more than 100 species of fossil apes known, only one gave rise to us.

Prerequisite: ANT203Y1**Recommended Preparation:** ANT335Y1 or ANT330Y1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**ANT436H1 - Primate Ecology & Social Behavior****Hours:** 24L

This course will provide an overview of the ecology and social behavior of extant nonhuman primates. Topics will include socioecology, conservation biology, biogeography, aggression and affiliation, community ecology, communication, and socio-sexual behavior. There will also be extensive discussions of methods used in collecting data on primates in the field.

Prerequisite: ANT203Y1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**ANT434H1 - Health, Diet & Disease in the Past****Hours:** 24L/12P

Advanced exploration of the life histories of past populations, through the application of palaeodietary analyses, palaeopathology and other appropriate research methods.

Prerequisite: ANT334H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**ANT437H1 - Introduction to Virtual Anthropology****Hours:** 18L/24P

Virtual anthropology is a set of new methods that allow us to digitize objects, analyze, reconstruct and share them digitally, and bring them back into the real world. After a theoretical introduction, students will use surface scanners, photogrammetric software and 3D printers to digitize and study archaeological and anthropological specimens.

Prerequisite: ANT334H1 or ARH312Y1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)

ANT438H1 - Topics in Emerging Scholarship (Evolutionary Anthropology)

Hours: 24S

Taught by an advanced PhD student or postdoctoral fellow, and based on his or her doctoral research and area of expertise, this course presents a unique opportunity to explore intensively a particular Evolutionary Anthropology topic in-depth. Topics vary from year to year.

Prerequisite: ANT203Y1 and 0.5 FCE 300+ Group B (Evolutionary course)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

ANT445H1 - Science as Culture and Practice

Hours: 24S

This course examines science and technology from an anthropological perspective. Throughout the course, in addition to introducing major concepts of science studies, we will examine multiple concrete things, like computers as cultural artifacts, connected to wider social, political, economic, ideological, and cultural contexts.

Prerequisite: ANT207H1

Recommended Preparation: one science course

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT440H1 - Society in Transition

Hours: 36S

Modernity, globalization, and neoliberalism have emerged as three distinct, yet connected, concepts in anthropological studies of social, cultural, political and economic changes around the world. This course critically examines the various meanings of these three concepts, and tests their usefulness as analytical tools to think productively about societies in transition in specific historical and ethnographic contexts. Topical focus varies by year, and may include the changing character of work and welfare, property and markets, country and city, media and mobilization, and others. Check the course outline for details.

Prerequisite: ANT207H1 and ANT370H1 or permission of the instructor

Exclusion: ANT440Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT450H1 - Nature, Culture and the City

Hours: 24S

As of 2007, for the first time in human history, more than half the world's peoples lived in cities. It is estimated that by 2030 over 60% will be urban-dwellers. This demographic shift suggests that for many (if not most) people, their primary encounter with "nature" will be urban based. This course explores the idea of "urban-nature" by 1) focusing on the ways in which various theorists have challenged traditional ways of viewing both "the city" and "nature" and 2) encouraging students to develop their own critical perspectives through ethnographic engagements with the city of Toronto.

Prerequisite: ANT204H1 or ANT207H1 and a 300-level course or above in Society, Culture and Language

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT452H1 - Anthropology & Human Rights

Hours: 24S

The concept of human rights in its universal claims rises fundamental questions for anthropology as it challenges a central value of the discipline: cultural relativism. Students are asked to consider epistemological and theoretical questions and case studies (e.g. claims of rights by ethnic collectivities).

Prerequisite: ANT204H1 or ANT207H1 or PCJ260Y1 or PCJ360H1, and one 300 level course in Society, Culture and Language

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT441H1 - Love, Sex, and Marriage

Hours: 24S

Beginning with anthropologys early work on kinship, and ending with recent analyses of sex work and the globalization of ideologies of romantic love and companionate marriage, this course will investigate how emotional and sexual relationships are produced, used, conceptualized, and experienced both within particular societies and transnationally.

Prerequisite: ANT207H1 and ANT343H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

HAJ453H1 - AIDS: A Global Perspective

Hours: 6L/18S

Seminars explore the global AIDS crisis, adopting the medical-anthropological perspective of Paul Farmer's Infections and Inequalities. Varying epidemiological profiles of AIDS are placed in broader social, cultural, and political-economic frameworks. The impact of globalization and structural inequality on local cultures and lifestyles provides an essential backdrop to the discussions.

Prerequisite: 14 FCE complete, ANT208H1/ BIO220H1/ PHS300H1/ JNH350H1

Distribution Requirements: Science; Social Science

Breadth Requirements: Society and its Institutions (3)

ANT456H1 - Queer Ethnography

Hours: 24L

This course explores, first, how and where forms of desire and sexual practice have become sites of anthropological inquiry and exemplars of particular cultural logics. Tracing, then, the transnational turn in the anthropology of sexuality, the course engages important debates about culture, locality, and globalization. By focusing on the transnational movement of desires, practices, and pleasures through activism, mass media, and tourism, the course asks how sex is global and how globalization is thoroughly sexed. Course material will stress, but not be limited to, forms of same-sex or otherwise queer sexualities.

Prerequisite: ANT207H1 and any 300-level course in Society, Culture and Language

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT455H1 - Ethnographic Approaches to the Middle East and North Africa

Hours: 36L

This course explores the literature and concerns of anthropologists conducting ethnographic research in the greater Middle East and North Africa (MENA). It is designed for students with a background in social and cultural anthropology who wish to become familiar with the social and religious complexity of the MENA region, and the anthropological questions it has compelled. Islam has long been the area's principal social and historical force and thus provides the backdrop for much, but not all, of the ethnography considered in the course. Moreover, Muslim majority MENA countries exhibit considerable social and sectarian diversity. Readings and lectures attend to differences as well as resemblances, while considering issues such as gender roles, kinship, marriage, local level practices, medicine, secularism, 'public Islam,' nationalism, and the persistent problem of orientalism.

Prerequisite: ANT207H1

Exclusion: ANTC89H3; ANT484H1 (Topics: Ethnography of the Middle East and North Africa) taken in Winter 2014; ANT384H1 (Topics: Peoples of the Middle East and North Africa) taken in Winter 2017, Winter 2018.

Recommended Preparation: NMC241H1, RLG204H1, NMC283Y1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

ANT457H1 - Anthropology of Material Culture

Hours: 24L

The course addresses the cultural and social significance of material culture in specific cultural settings, and the role that artifacts have played in the history of anthropological thought from early typological displays to the most recent developments of material culture studies.

Prerequisite: ANT200Y1 or ANT207H1

Distribution Requirements: Social Science

Breadth Requirements: Creative and Cultural Representations (1)

ANT458H1 - Settler-Colonialism and Indigenous Health in Canada

Hours: 24S

This course draws on anthropological and historical literatures to explore the relationship between the health of Indigenous people and Canadian settler-colonialism. In conceptualising this relationship, we focus on critical analysis of the role of biomedical health-care systems in settler-colonial governmentality, and how history is understood in discourses on Indigenous health.

Prerequisite: ANT345H1 or ANT348H1 or ANT358H1, or ANT460H1 or INS350H1 or JFP450H1 or PHM450H1 or permission of the instructor

Recommended Preparation: It is recommended that students have completed 300-level undergraduate courses in both medical anthropology, and anthropology of Indigenous issues or Indigenous health

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT459H1 - Multispecies Ethnography

Hours: 24S

This course introduces perspectives which extend anthropological inquiry beyond the solely human realm. Building on an acknowledgement of the fundamental interconnectedness of humans and other life forms, it explores the agencies of other-than-humans, including nonhuman animals, land and seascapes, plants, bacteria, "contaminants," and others. The course involves field-site visits and fieldwork projects in Toronto (GTA region) and engages with ethnographic methodologies best suited to investigations of inter-species, inter-life form relationships.

Prerequisite: ANT376H1 or three 300-level anthropology courses in any subfield or permission of instructor

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

ANT472H1 - Japan in Global Context: Anthropological Perspectives (formerly ANT354Y1 and ANT354H1)

Hours: 24L

This course examines how what we know as Japan and its culture has been constructed through global interactions. Topics include gender and sexuality, race and ethnicity, social and family life, work and leisure, and Japanese identity amid changing global power relations.

Prerequisite: ANT204H1 or ANT207H1

Exclusion: ANT354Y1; ANT354H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT473H1 - Ethnographic Practicum: The University

Hours: 36S

Students carry out original ethnographic research projects on some aspect of life in the University of Toronto: its students, staff and faculty; its hierarchies and habits; and the everyday practices in classrooms, labs, dining halls, offices, clubs, and residence corridors. Class time is used for collective brainstorming, feedback and analysis.

Prerequisite: ANT380H1 or permission of the instructor

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT474H1 - Ethnographies of HIV/AIDS: Risk, Vulnerability, and Care

Hours: 24S

ANT462H1 - Anthropology of Affect

Hours: 24S

This course examines how anthropologists have studied the way that people hope, imagine, love, and despise. Ethnography of the intimate realms of affect raises important questions about knowledge production and methodology as well as offering insight into how people come to act upon the world and what the human consequences of such action are. The course will also examine how the intimate is socially produced and harnessed in the service of politics and culture. Topics will include grief and its lack; dreams and activism; love and social change; memory and imperialism; sexuality and care; and violence and hope.

Prerequisite: ANT207H1 and any 300-level course in Society, Culture and Language

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

This course examines HIV/AIDS globally and ethnographically focusing on how gendered political economies create HIV vulnerability; the experiences of sexual minorities; how religious institutions shape practices of social care and exclusion; and anthropological critiques of HIV awareness campaigns and counseling as sites of governmentality.

Prerequisite: ANT207H1 and ANT348H1 or ANT345H1 or ANT358H1 or ANT343H1

Recommended Preparation: ANT343H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT475H1 - Reading Ethnography**Hours:** 24P

Students read several full-length ethnographies, both classical and contemporary, and debate what makes for sound ethnographic research and writing, as well as what ethnography is and "should" be as a genre of writing and representation.

Prerequisite: ANT207H1 and ANT370H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**ANT480H1 - Special Topics in Anthropological Research****Hours:** 24S

Unique opportunity to explore a particular anthropological topic in-depth. Topics vary from year to year.

Prerequisite: Any 200 level Anthropology course and 1.0 FCE at the 300+ level**Distribution Requirements:** Social Science**ANT476H1 - Body, Self and Sociality****Hours:** 36S

This seminar class examines 'the body' as a historically and culturally contingent category, the material site and means of practice, and a foundation point for identity and self-fashioning. We consider the relevance of cultural meanings to biomedical practices, the centrality of the body to consumer techno-society, and the body's role as a locus of experience, political inscription, and struggle.

Prerequisite: ANT370H1**Distribution Requirements:** Social Science**Breadth Requirements:** Thought, Belief and Behaviour (2)**ANT481H1 - Special Topics in Evolutionary Anthropology****Hours:** 24S

Unique opportunity to explore in-depth a particular topic in Evolutionary Anthropology. Topics vary from year to year.

Prerequisite: ANT203Y1 and 0.5 FCE 300+ Group B (Evolutionary) course**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**ARH482H1 - Special Topics in Archaeology****Hours:** 24S

Unique opportunity to explore a particular archaeological topic in-depth. Topics vary from year to year.

Prerequisite: ARH305H1**Distribution Requirements:** Social Science**ANT483H1 - Special Topics in Linguistic Anthropology****Hours:** 24S

This course will focus on an advanced topic in Linguistic Anthropology. Topic will vary from year- to-year.

Prerequisite: ANT253H1 and 1.0 FCE 300 level Group C (Society, Culture and Language) course**Distribution Requirements:** Social Science**Breadth Requirements:** Thought, Belief and Behaviour (2)

ANT484H1 - Special Topics in Social Cultural Anthropology

Hours: 24S

Unique opportunity to explore a particular Social Cultural Anthropology topic in-depth. Topics vary from year to year.

Prerequisite: ANT207H1 and 1 FCE 300 level Group C (Society, Culture and Language) course

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT490Y1 - Field Course in Social and Cultural Anthropology

Hours: 24L/52P

An instructor-supervised experiential study project in social and cultural anthropology. Course takes place in an off-campus setting. Not eligible for CR/NCR option.

Prerequisite: ANT204H1 or ANT207H1, and 1.0 additional FCE from the Society, Culture, and Language course group

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT485H1 - Topics in Emerging Scholarship (Society, Culture and Language)

Hours: 24S

Taught by an advanced PhD student or postdoctoral fellow, and based on his or her doctoral research and area of expertise, this course presents a unique opportunity to explore intensively a particular Socio-cultural or Linguistic Anthropology topic in-depth. Topics vary from year to year.

Prerequisite: ANT207H1 and 1 FCE 300+ Group C (Society, Culture and Language) course

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT491H1 - Internship in Anthropology

Hours: 24P

This course is an opportunity to apply acquired knowledge in anthropology or archeology in a work placement environment. Opportunities may include local community organizations, international development organizations, museum or heritage projects, or media production projects. Only internships that require knowledge and skills in anthropology and/or archeology will be considered. Student must fulfill responsibilities of the internship as well as complete a final research paper. If qualified, the student's internship supervisor will mark the final paper for the course; if not, an appropriate academic supervisor will be assigned from within the Dept. of Anthropology. Not eligible for CR/NCR option.

Prerequisite: Fourth year; major or specialist in a program in Anthropology; 3.0 FCEs in Anthropology

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT486H1 - Special Topics: Socio-Cultural Research Seminar

Hours: 24S

Unique opportunity to explore a particular Social Cultural Anthropology topic in-depth. Topics vary from year to year.

Prerequisite: ANT207H1 and 1 FCE 300+ Group C (Society, Culture and Language) course

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT491Y1 - Internship in Anthropology

Hours: 48P

This course is an opportunity to apply acquired knowledge in anthropology or archeology in a work placement environment. Opportunities may include local community organizations, international development organizations, museum or heritage projects, or media production projects. Only internships that require knowledge and skills in anthropology and/or archeology will be considered. Student must fulfill responsibilities of the internship as well as complete a final research paper. If qualified, the student's internship supervisor will mark the final paper for the course; if not, an appropriate academic supervisor will be assigned from within the Dept. of Anthropology. Not eligible for CR/NCR option.

Prerequisite: Fourth year; major or specialist in a program in Anthropology; 3.0 FCEs in Anthropology

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ARH494H1 - Topics in Emerging Scholarship (Archaeology)

Hours: 24S

Taught by an advanced PhD student or postdoctoral fellow, and based on his or her doctoral research and area of expertise, this course presents a unique opportunity to explore intensively a particular Archaeology topic in-depth. Topics vary from year to year.

Prerequisite: ARH305H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT498H1 - Independent Research

Hours: TBA

Supervised independent research on a topic agreed on by the student and supervisor before enrolment in the course. Open in exceptional circumstances to advanced students with a strong background in Anthropology. Course Supervisor must be a member of the Anthropology faculty. Application for enrolment should be made to the Department in the preceding term. A maximum of one year of Independent Research courses is allowed per program. Not eligible for CR/NCR option.

Prerequisite: A minimum of 10 credits, permission of Supervisor and Undergraduate Coordinator.

Distribution Requirements: Social Science

ARH495H1 - Archaeology Research Practicum

Hours: TBA

Laboratory or practical research on an archaeological project that emphasizes methods and research design in archaeology. Students must obtain the consent of a Supervisor before enrolling. Students are required to give an oral presentation of research results to an open meeting of the Archaeology Centre at the conclusion of the course. Application must be made to the Anthropology Department. Not eligible for CR/NCR option.

Prerequisite: A minimum of 14 credits, permission of Supervisor and Undergraduate Coordinator.

Exclusion: ANT497Y1

Recommended Preparation: ARH305H1, ARH312Y1

Distribution Requirements: Social Science

ANT499H1 - Independent Research

Hours: TBA

Supervised independent research on a topic agreed on by the student and supervisor before enrolment in the course. Open in exceptional circumstances to advanced students with a strong background in Anthropology. Course Supervisor must be a member of the Anthropology faculty. Application for enrolment should be made to the Department in the preceding term. A maximum of one year of Independent Research courses is allowed per program. Not eligible for CR/NCR option.

Prerequisite: A minimum of 10 credits, permission of Supervisor and Undergraduate Coordinator.

Distribution Requirements: Social Science

ANT497Y1 - Independent Research

Hours: TBA

Supervised independent research on a topic agreed on by the student and supervisor before enrolment in the course. Open in exceptional circumstances to advanced students with a strong background in Anthropology. Course Supervisor must be a member of the Anthropology faculty. Application for enrolment should be made to the Department in the preceding term. A maximum of one year of Independent Research courses is allowed per program. Not eligible for CR/NCR option.

Prerequisite: A minimum of 10 credits, permission of Supervisor and Undergraduate Coordinator.

Distribution Requirements: Social Science

Archaeology

The Archaeology Program focuses on the study of past human societies primarily through their material remains, or “material culture.” Archaeologists explore the nature of and changes in past cultures around the world through survey, excavation and analyses of stone tools, pottery, bones, plant remains, architecture and other cultural residues. Some of the major research foci of archaeologists are the behaviour and adaptations of early hominins, diversity of hunter-gatherer societies, origins of agriculture, pastoralism, urbanism and politically complex states, the workings of ancient exchange systems, and the development of class-based and gender-based political and economic inequalities in complex societies. Working archaeologists often specialize geographically, chronologically or thematically. Classical archaeologists, for example, specialize in the cultures of the ancient Greco-Roman world, while palaeoethnobotanists explore ways that botanical residues of ancient and prehistoric cultures can inform us about their economies and social systems. The specialist, major and minor programs allow students to explore archaeology in an interdisciplinary setting.

Students in the specialist or major program should consult the program coordinator or faculty members in their intended areas of specialization for advice on the selection of courses. Those intending to go on to graduate studies in departments such as Classics, East Asian Studies, Fine Art History or Near and Middle Eastern Civilizations should pay particular attention to language requirements at the graduate level.

The Archaeology Specialist (Arts program) is designed for students who would like to concentrate in archaeology while drawing on the teaching resources of diverse departments. See details below. Students interested in pursuing graduate studies should combine it with study of the ancient and modern languages relevant to their primary area of interest.

The Archaeology Major (Arts program) is designed for students who would like to pursue their interests in archaeology in conjunction with a Major in another field, such as Art, Classics, Earth Science, History, or Near and Middle Eastern Civilizations. See details below.

The Archaeology Minor (Arts program) allows students to sample archaeology while pursuing their main interest in another discipline. See details below.

For all these programs, students are encouraged to seek counselling and information from the Anthropology Undergraduate Administrator/Student Counsellor, Anthropology (416-978-6414).

Careers in archaeology usually require graduate training, although some aspects of archaeology in the public sector can be pursued with an undergraduate degree. Students completing our program have also successfully pursued careers in teaching, tourism, and cultural resource management.

Archaeology Programs

Archaeology Specialist (Arts Program) - ASSPE0155

Enrolment Requirements:

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Courses for admission: ANT200Y1 with a final mark of at least 70%.

Completion Requirements:

(11 full courses or their equivalent, including at least 4 FCE at the 300+ level and 1 FCE at the 400 level)

First Year:

1. ANT200Y1
2. Statistical Requirement: GGR270H1 (Geography pre- or co-requisites waived for Archaeology and Anthropology students); or 0.5 FCE from STA220H1, STA221H1, STA247H1, STA248H1, STA255H1, STA257H1, STA261H1, or ANTC35H3 (at UTSC)
3. ANT100Y1 or CLA160H1. If CLA160H1 is taken, students must take an additional 0.5 FCE from the following: CLA210H1, CLA230H1, CLA231H1; FAH206H1, FAH207H1; GGR100H1, GGR101H1; NMC260H1, NMC262H1

Upper Years:

4. ARH305H1, ARH309H1, ARH312Y1, ANT411H1
5. Field Requirement: ANT311Y1 or ARH306Y1 or NMC261Y0 or ARH361Y1 or ARH361H1 or ANT418H5 (at UTM). If ARH361H1 or ANT418H5 is taken, students must take an additional 0.5 FCE from ANT.
6. 5.0 FCE from Groups A and B, of which 2.0 FCE must be from Group A and 2.0 FCE must be from Group B and 1.0 FCE from either group

Note that students may substitute ARH495H1 (Research Practicum) for 0.5 FCE of this requirement (assignment to Group A or B to be determined by Undergraduate Coordinator).

Archaeology Major (Arts Program) - ASMAJ0155

Enrolment Requirements:

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Courses for admission: ANT100Y1 with a final mark of at least 67% or ANT200Y1 with a final mark of at least 70%.

Completion Requirements:

(7 full courses or their equivalent, including at least 2 FCE at the 300+ level and 0.5 FCE at the 400-level)

First Year:

- 1. ANT200Y1
- 2. ANT100Y1 or CLA160H1. If CLA160H1 is taken, students must take an additional 0.5 FCE from the following: CLA210H1, CLA230H1, CLA231H1; FAH206H1, FAH207H1; GGR100H1, GGR101H1; NMC260H1, NMC262H1

Upper Years:

- 3. ARH305H1 and ARH309H1
- 4. 1 FCE from: ARH306Y1, ARH312Y1, ARH361Y1, ARH361H1, ANT311Y1, NMC261Y0, NMC369Y1, NMC465H1, NMC466H1
- 5. 2.5 FCE from: Group A
- 6. 0.5 FCE from: Group B

Archaeology Minor (Arts Program) - ASMIN0155

Enrolment Requirements:

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol. Courses for admission: ANT200Y1 with a final mark of at least 70%.

Completion Requirements:

(4 full course equivalents, including at least 1 FCE at the 300- or 400-levels)

- 1. ANT200Y1
- 2. ARH305H1 and ARH309H1
- 3. 1.5 FCE from Group A
- 4. 0.5 FCE from Group B

If ARH312Y is completed, it will be considered a Group A course.

Course Groups

Group A Theoretical and Methods 1: Theoretical

- ANT370H1 Introduction to Social Anthropological Theory
- ANT372H1 Cultural Property
- ANT388H1 Anthropologists and Indigenous Peoples in North America
- ANT409H1 Landscape Archaeology
- ANT410H1 Hunter-Gatherers Past & Present
- ANT411H1 Advanced Archaeological Theory
- ANT416H1 Archaeology of Ritual and Identity
- ANT420H1 Archaeology of Inequality
- NMC266H1 Archaeologies of Power
- VIC225Y1 A History of the World in Objects

Group A Theoretical and Methods 2: Archaeometry

- CHM317H1 Introduction to Instrumental Methods of Analysis
- CHM414H1 Biosensors and Chemical Sensors

- CHM416H1 Separation Science
- GGR337H1 Environmental Remote Sensing
- JGA305H1 Environmental and Archaeological Geophysics
- NMC369Y1

Group A Theoretical and Methods 3: Ceramic and Lithic Analysis

- ANT406H1 Lithic Analysis
- NMC369Y1
- NMC462Y1
- NMC465H1 Ceramic Analysis
- NMC466H1 Near Eastern Ceramics
- NMC469Y1 Mediaeval Middle Eastern Ceramics

Group A Theoretical and Methods 4: Geoarchaeology

- ANT409H1 Landscape Archaeology
- GGR272H1 Geographic Information and Mapping I
- GGR273H1 Geographic Information and Mapping II
- GGR301H1 Fluvial Geomorphology
- GGR337H1 Environmental Remote Sensing
- GGR373H1 Advanced Geographic Information Systems
- GGR390H1 Field Methods
- GGR413H1 Watershed Hydroecology
- ESS234H1 Introduction to Geological Field Methods
- ESS331H1 Sedimentation and Stratigraphy
- JGA305H1 Environmental and Archaeological Geophysics

Group A Theoretical and Methods 5: Osteoarchaeology and Zooarchaeology

- ANT334H1 Human Skeletal Biology
- ANT335Y1 Human Evolution
- ANT338H1 Molecular Anthropology and Human Evolution
- ANT415Y1 Laboratory in Faunal Archaeo-Osteology
- ANT434H1 Health, Diet & Disease in the Past
- EEB318H1 Principles of Evolution
- EEB323H1 Evolutionary Genetics
- EEB324H1 Evolutionary Ecology
- EEB390H1 Vertebrate Paleontology: Major Transitions in Vertebrate History

Group A Theoretical and Methods 6: Paleoethnobotany

- EEB330H1 Systematic Botany
- EEB340H1 Comparative Plant Morphology
- GGR305H1 Biogeography
- GGR390H1 Field Methods
- JGE331H1 Resource and Environmental Theory

Group A Theoretical and Methods 7: Urbanism and Settlement

- ANT318H1 The Preindustrial City and Urban Social Theory

Group B: Area Courses and Cultural History**1: Classical and Aegean Archaeology**

- [CLA210H1 Greek and Roman Archaeology](#)
- [CLA215H1 Classical Warfare](#)
- [CLA230H1 Introduction to Greek History](#)
- [CLA231H1 Introduction to Roman History](#)
- [CLA362H1 Early Greece](#)
- [CLA363H1 Archaic and Classical Greece](#)
- [CLA364H1 The Hellenistic World](#)
- [CLA366H1 Topics in the Study of Greek History](#)
- [CLA367H1 The Roman Republic](#)
- [CLA368H1 Augustus and the Julio-Claudians](#)
- [CLA369H1 The Roman Empire](#)
- [CLA371H1 Topics in the Study of Roman History](#)
- [CLA389H1 Classical Spaces: Sites and Monuments](#)
- [CLA392H1 Topics in the study of Classical Culture and Society](#)
- [CLA403H1 Advanced Seminar in Roman Civilization](#)
- [FAH206H1 Prehistoric Aegean and East Mediterranean Art and Archaeology](#)
- [FAH207H1 Greek and Roman Art and Archaeology](#)
- [FAH303H1 Emergence of Greek Civilisation](#)
- [FAH309H1 City of Rome](#)
- [FAH401H1 Aegean Wall Paintings](#)
- [FAH407H1 Studies in Roman Painting and Sculpture](#)
- [FAH486H1 Case Studies at the Royal Ontario Museum](#)
- [HIS320H1 Barbarian Invasions and the Fall of the Roman Empire](#)

Group B: Area Courses and Cultural History**2: Egyptian Archaeology**

- [JAL328H1 Writing Systems](#)
- [NMC343H1 Farmers to Pyramid Builders: Cultural and Political History of Ancient Egypt I](#)
- [NMC344H1 Hyksos Subjects to Empire Builders: Cultural and Political History of Ancient Egypt II](#)
- [NMC362Y1 Ancient Egyptian Sites](#)
- [NMC368H1 Coptic Art & Archaeology](#)
- [NMC382Y1 Mummies, Myth and Magic: The Religion of Ancient Egypt](#)
- [NMC461H1 The History and Archaeology of the Horn of Africa and South Arabia](#)
- [NMC467H1 Seminar in Egyptian Archaeology I](#)
- [NMC468H1 Seminar in Egyptian Archaeology II](#)

Group B: Area Courses and Cultural History**3: European and Celtic Archaeology**

- [FAH318H1 Monastic Art and Architecture](#)
- [FAH327H1 Secular Art and Architecture of the Middle Ages](#)
- [FAH328H1 Gothic Cathedral](#)
- [FAH420H1 Studies in Western Medieval Art and Architecture](#)
- [FAH421H1 Studies in Medieval Cities](#)
- [HIS321H1 Dark Age Europe, 7th 10th Centuries](#)
- [HIS323H1 Rites of Passage and Daily Life in the Middle Ages](#)

- [HIS336H1 Medieval Spain](#)
- [HIS357Y1 A Social History of Renaissance Europe](#)
- [HIS403H1 Jews and Christians in Medieval and Renaissance Europe](#)
- [HIS412Y1 Crusades, Conversions and Colonialization in the Medieval Baltic](#)
- [HIS424H1 Violence in Medieval Society](#)
- [HIS432H1 Topics in Medieval History](#)
- [SMC344Y1 Celtic Archaeology](#)
- [SMC337H1 Early Celtic History 450-1000](#)
- [SMC338H1 The Celtic Nations in the Later Middle Ages 1000-1550](#)

Group B: Area Courses and Cultural History**4: Historical Archaeology**

- [ANT412H1 Historical Archaeology](#)
- [FAH376H1 Canadian Architecture: A Survey](#)
- [GGR240H1 Geographies of Colonialism in North America](#)
- [GGR241H1 Geographies of Urban Social Exclusion](#)
- [GGR336H1 Urban Historical Geography of North America](#)
- [GGR421H1 Histories of Geographical Thought](#)
- [HIS369H1 Aboriginal Peoples of the Great Lakes from 1500 to 1830](#)
- [HIS374H1 American Consumerism - The Beginnings](#)

Group B: Area Courses and Cultural History**5: Islamic Archaeology**

- [HIS303H1 The Mediterranean, 600-1300: Crusade, Colonialism, Diaspora](#)
- [NMC348Y1 History of Iran: From the Sasanians to the Safavids](#)
- [NMC365Y1 Archaeology of the Islamic World](#)
- [NMC366Y1 Archaeology from Alexander to Muhammad](#)
- [NMC374H1 The Mamluks: from Slaves to Sultans](#)
- [NMC376H1 History of Islamic Spain and North Africa \(640-1492\)](#)
- [NMC393H1 Early Islamic Art & Architectures](#)
- [NMC394H1 Persianate Art & Architecture](#)
- [NMC396Y1 The Islamic City](#)

Group B: Area Courses and Cultural History**6: Near Eastern Archaeology**

- [JAL328H1 Writing Systems](#)
- [NMC346H1 Ancient Mesopotamia I: Sumerians and Akkadians](#)
- [NMC347H1 Ancient Mesopotamia II: Assyrians and Babylonians](#)
- [NMC360H1 Archaeology of the Biblical World I: The Bronze Age](#)
- [NMC361H1 The Archaeology of the Biblical World II: The Iron Age](#)
- [NMC363H1 Ancient Iraq](#)
- [NMC364H1 Art and Archaeology of Syria](#)
- [NMC370H1 Ancient Israel](#)
- [NMC461H1 The History and Archaeology of the Horn of Africa and South Arabia](#)
- [NMC466H1 Near Eastern Ceramics](#)

Group B: Area Courses and Cultural History 7: North and South American Prehistory

- [ANT314H1 Archaeology of the Pacific Northwest](#)
- [ANT315H1 Arctic Archaeology](#)
- [ANT316H1 Ancient Cultures of Mesoamerica](#)
- [ANT317H1 Archaeology of Eastern North America](#)
- [ANT319Y1 Archaeology of North America](#)
- [ANT320H1 Ancient Cultures of the Andes](#)
- [ANT407H1 Inka and Aztec States](#)
- [HIS369H1 Aboriginal Peoples of the Great Lakes from 1500 to 1830](#)

Group B: Area Courses and Cultural History 8: Old World Prehistory

- [ANT419H1 Current Debates in Palaeolithic Archaeology](#)
- [ARH360H1 Prehistory of the Near East \(formerly ANT360Y1\)](#)

Group B: Area Courses and Cultural History 9: East Asian Archaeology

- [EAS312H1 Art and Archaeology of Early China](#)
- [EAS412H1 Technology and Material Cultures of Ancient China](#)

Archaeology Courses

ARH305H1 - Archaeological Interpretation

Hours: 24L

Transforming archaeological results into statements about people and their life ways. Covers basic archaeological theory, including research design, sampling, stratigraphy, seriation, formation and testing or evaluation of hypotheses, regional analyses. Introduces some of the major schools of archaeological theory, including New Archaeology and Post-Processual Archaeology.

Prerequisite: ANT200Y1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

JGA305H1 - Environmental and Archaeological Geophysics

Hours: 24L/12P

Application of near-surface geophysical methods to investigate environmental and archaeological sites; in particular magnetometry, resistivity, ground-probing radar, and seismic surveys. Course will cover background on the various methods, and allow students to run field surveys and present on case studies.

Prerequisite: ESS241H1 or ANT200Y1 or GGR201H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ARH306Y1 - Archaeological Field Methods

Hours: 12L/61P

Intensive instruction in archaeological field methods and acquisition of field skills, including archaeological search and survey, site mapping, laying out excavation grids, use of theodolites, total station, and GPS, stratigraphic excavation, stratigraphy, field recording, screening sediment, Ontario license and reporting requirements. Normally this course would take place on campus in the summer. This course has a mandatory Lab Materials Fee of \$25 to cover non-reusable materials. The fee will be included on the student's ACORN invoice.

Prerequisite: ANT200Y1 or (NMC260H1 and NMC262H1) or NMC261Y0

Distribution Requirements: Social Science

ARH309H1 - Archaeology, Ethics, and the Public

Hours: 24L

An analysis of ethics in contemporary archaeology that covers reburial and repatriation, interpretation of the archaeological record in the context of historically oppressed groups, ethnic minorities, and non-western societies, the ethics of collecting and managing cultural property, relationships with the media, the debates surrounding looting, and other issues.

Prerequisite: ANT200Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ARH312Y1 - Archaeological Laboratory**Hours:** 28L/44P

Techniques for making archaeological data meaningful after excavation or survey. Archaeological measurements, compilation of data, database design, archaeological systematics, and sampling theory in the context of lithics, pottery, floral, faunal and other archaeological remains.

Prerequisite: ANT200Y1 and a half statistics course (e.g. GGR270H1*, STA220H1, STA221H1, STA257H1, STA261H1, ANTC35H3**. Note: *Geography Pre- or co-requisites waived for Anthropology and Archaeology students; ** to be taken at the Scarborough Campus

Distribution Requirements: Social Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ARH361Y1 - Field Archaeology**Hours:** TBA

Opportunity for students participating in non-degree credit archaeological digs to submit reports, field notes and term papers for degree credit. Not eligible for CR/NCR option.

Prerequisite: Permission of Undergraduate Co-ordinator and Supervisor

Distribution Requirements: Social Science

ARH398H0 - Research Excursions**Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

ARH398Y0 - Research Excursions**Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

ARH360H1 - Prehistory of the Near East (formerly ANT360Y1)**Hours:** 24L

From earliest times through the rise of complex hunter-gatherers, and the food producing revolution to politically complex societies in Southwest Asia.

Prerequisite: ANT200Y1 or NMC260H1 and NMC262H1

Exclusion: ARH360Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ARH361H0 - Field Archaeology**Hours:** TBA**ARH361H1 - Field Archaeology****Hours:** TBA

Opportunity for students participating in non-degree credit archaeological digs to submit reports, field notes and term papers for degree credit. Not eligible for CR/NCR option.

Prerequisite: Permission of Undergraduate Co-ordinator and Supervisor

Distribution Requirements: Social Science

ARH482H1 - Special Topics in Archaeology**Hours:** 24S

Unique opportunity to explore a particular archaeological topic in-depth. Topics vary from year to year.

Prerequisite: ARH305H1

Distribution Requirements: Social Science

ARH361Y0 - Field Archaeology**Hours:** TBA

ARH494H1 - Topics in Emerging Scholarship (Archaeology)

Hours: 24S

Taught by an advanced PhD student or postdoctoral fellow, and based on his or her doctoral research and area of expertise, this course presents a unique opportunity to explore intensively a particular Archaeology topic in-depth. Topics vary from year to year.

Prerequisite: ARH305H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ARH495H1 - Archaeology Research Practicum

Hours: TBA

Laboratory or practical research on an archaeological project that emphasizes methods and research design in archaeology. Students must obtain the consent of a Supervisor before enrolling. Students are required to give an oral presentation of research results to an open meeting of the Archaeology Centre at the conclusion of the course. Application must be made to the Anthropology Department. Not eligible for CR/NCR option.

Prerequisite: A minimum of 14 credits, permission of Supervisor and Undergraduate Coordinator.

Exclusion: ANT497Y1

Recommended Preparation: ARH305H1, ARH312Y1

Distribution Requirements: Social Science

Architecture and Visual Studies

A Program of the Faculty of Arts & Science and the John H. Daniels Faculty of Architecture, Landscape, and Design

The Architectural Studies Major programs were transferred from the Faculty of Arts & Science to the John H. Daniels Faculty of Architecture, Landscape, and Design effective September 1, 2012. Students interested in pursuing the Major programs may apply for admission to the Daniels Faculty. For information regarding the Architectural Studies programs and courses, please visit the Daniels website: www.daniels.utoronto.ca.

The Visual Studies Specialist and Major programs were transferred from the Faculty of Arts & Science to the John H. Daniels Faculty of Architecture, Landscape, and Design effective September 1, 2014. Students interested in pursuing the Visual Studies Specialist or Major program may apply for admission to the Daniels Faculty (www.daniels.utoronto.ca).

If you have any questions about the Architectural Studies or Visual Studies programs, please contact the Daniels Faculty Registrar's Office at registrar@daniels.utoronto.ca.

The Visual Studies Minor is a Faculty of Arts & Science program. Requirements are listed below.

Visual Studies Programs

The Visual Studies Specialist and Major programs were transferred from the Faculty of Arts & Science to the John H. Daniels Faculty of Architecture, Landscape, and Design effective September 1, 2014. Students interested in pursuing the Visual Studies Specialist or Major program may apply for admission to the Daniels Faculty (www.daniels.utoronto.ca).

For Arts & Science students enrolled in the program before September 2014, please refer to the [relevant archived Calendar](#) for program information.

Architecture Programs

The Architectural Studies Major programs were transferred from the Faculty of Arts & Science to the John H. Daniels Faculty of Architecture, Landscape, and Design effective September 1, 2012. Students interested in pursuing the Major programs may apply for admission to the Daniels Faculty. For information regarding the Architectural Studies programs and courses, please visit the Daniels website: www.daniels.utoronto.ca.

For Arts & Science students enrolled in the program before September 2012, please refer to the [relevant archived Calendar](#) for program information.

Architecture and Visual Studies Programs

Visual Studies Minor (Arts Program) - ASMIN0660

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be based on a student's mark(s) in the required course(s). The precise mark thresholds outlined below are an estimate of what will be required in the coming program admission cycle. Achieving those mark(s) does not necessarily guarantee admission to the program in any given year.

Required courses: completion of at least four full course equivalents including VIS120H1/ JAV120H1 and VIS130H1/ JAV130H1 and an average of at least a B in each of VIS120H1/ JAV120H1 and VIS130H1/ JAV130H1.

Completion Requirements:

(4.0 FCE in Visual Studies, including at least one full 300-level course or its equivalent.)

1. VIS120H1/ JAV120H1 and VIS130H1/ JAV130H1
2. JAV200H1 and 2.5 FCE in VIS courses
3. Note: VIS minors are not permitted to take VIS300H0, VIS403H1, VIS404H1, VIS405H1, VIS430Y1, and VIS431Y1

Architecture and Visual Studies Courses

Architecture and Visual Studies course descriptions can be found on the Daniels website at www.daniels.utoronto.ca. Elective courses are available for Arts & Science students.

If you have any questions about the Architecture or Visual Studies courses please contact the Daniels Faculty Registrar's Office at registrar@daniels.utoronto.ca.

Art History

Faculty List

Professors Emeriti

K. Andrews, MFA
 L.E. Eileen, MA, PhD
 D.S. Richardson, MA, PhD (U)
 D. Rifat, DA
 J.W. Shaw, MAT, PhD, D Hum Lett, FSA, FRSC (T)
 M.C. Shaw, MA, PhD (S)
 B. Welsh-Orcharov, MA, PhD

Professor and Chair

C. Knappett, PhD, FSA (Homer Thompson/Walter Graham Chair in Aegean Prehistory)

Associate Chair, Undergraduate Studies

C. Anderson, MA, PhD

University Professor

P.L. Sohm, MA, PhD (U)

Professors

C. Anderson, MA, PhD
 M.A. Cheetham, MA, PhD, FRSC (U)
 L. Kaplan, MA, PhD (University of Toronto Mississauga)
 E.M. Kavaler, MA, PhD
 C. Knappett, PhD, FSA (Homer Thompson/Walter Graham Chair in Aegean Prehistory)
 E. Levy, MFA, PhD (University of Toronto Mississauga)
 J. Ricco, MA, PhD (University of Toronto Mississauga)

Associate Professors

J. Bear, MA, PhD
 J. Caskey, MA, PhD (University of Toronto Mississauga)
 A. S. Cohen MA, PhD
 B. C. Ewald, MA, PhD
 E. Harney, MA, PhD (University of Toronto Scarborough)
 K. Jain, MA, PhD (University of Toronto Mississauga)
 E.M.M. Legge, MA, PhD (U)
 G. Periti, MA, PhD
 J. Purtle, MA, MPhil, PhD (U)
 A. Syme, MA, PhD (University of Toronto Mississauga)

Assistant Professors

J. Clarke, M. Arch, M Phil, PhD
 Y. Gu, MA, PhD (University of Toronto Scarborough)
 S.J. Kim, MA, MPhil, PhD
 H. Mostafa, MA, PhD
 P. Sapirstein, PhD (Limited Term Appointment)

Adjunct Professor

Y. Hendeles, C.M., O.Ont, PhD Amsterdam, LL.D University of Toronto, Nova Scotia College of Art and Design, Ontario College of Art and Design (Hons)

Royal Ontario Museum

H. Coxon, Associate Professor, Status Only
 D. Dewan, MA, PhD, Associate Professor, Status Only
 R. Fox, MA, PhD, Assistant Professor, Status Only
 A. Gehmacher, MA, PhD, Associate Professor, Status Only
 A. Palmer, MA, PhD, Associate Professor, Status Only

Introduction

The Department of Art History offers Minor, Major, and Specialist programs in Art History (FAH).

The FAH curriculum covers the Bronze Age to the present in several global regions: the Mediterranean area, Europe and North America, and Asia. FAH102H1 offers an overview of the discipline of art history through a thematic survey of major monuments and skills. FAH102H1 is a mandatory component of the curriculum, and students are encouraged to take this class early in their progress toward an FAH program. Half courses at the 200 level are more comprehensive surveys that thematically introduce the material from specific chronological periods, regional areas, or the history of architecture. Many of these courses, which are offered on a regular basis, serve as “gateway” prerequisites for courses at the 300 and 400 level; students are advised to check the prerequisites for each upper-level course carefully.

Courses in art history (FAH) are useful to students in other departments or faculties; history, literature, music, and philosophy are likewise concerned with systems of thought and imagery. Fundamental concepts in such disciplines are embodied or reflected in related works of art of the same general period and area. Students in architecture, geography, or city planning will find courses in the history of architecture of benefit.

At the same time, the Department directs the attention of its students to the wide range of offerings in other departments and urges them to acquire the broad cultural background essential to an understanding of the arts. Of special importance are familiarity with history, a knowledge of the various traditions of literature and mythology, and an acquaintance with philosophy. Courses in cultural, historical or urban geography may also be relevant in programs that include the history of architecture. It is imperative that students interested in pursuing an advanced degree in art history acquire the foreign languages necessary for such work. Although the choice of languages will be dependent on an individual's program of study, it is generally recommended that students learn German and at least one other European language. The Department website provides a list of courses in other departments that can be counted toward an art history degree, or consult the Director of Undergraduate Studies to confirm the eligibility of any course.

In conjunction with Woodsworth College, the Department offers courses during the summer term at the University of Siena, Italy, and at other locations abroad. For information about these degree-credit courses, please consult the Department of Art History website or contact the Summer Abroad Program at Woodsworth College, 119 St. George Street (416-978-8713), summer.abroad@utoronto.ca

The History of Art Students' Association sponsors a variety of lectures and other activities for members of the departmental community.

Many courses in the Department are offered in alternate years only, or on a three-year cycle. For more detailed information on courses and degree programs, consult the Department of Art History website and Undergraduate Handbook at www.arthistory.utoronto.ca. Counselling is available, by appointment, from the Undergraduate Coordinators.

Enquiries:

Undergraduate Secretary, Sidney Smith Hall, Room 6036 (416-978-7892), undergrad.arthistory@utoronto.ca

Art History Programs

Art History Specialist (Arts Program) - ASSPE0908

Enrolment Requirements:

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Required courses: At least four half courses from the Department's art history offerings, with marks of at least 70% in each course.

Completion Requirements:

1 course=1 FCE (one full course equivalent); e.g., FAH101H1 + FAH102H1 = 1 course or 1 FCE

One half course = 0.5 FCE; e.g., FAH102H1

(11 FCES)

At least nine FAH FCE's, and two FCE's in one or more languages including at least one German, French, or Italian, though an acceptable alternative modern language such as Dutch or Russian (or Chinese and/or another Asian language) may be acceptable. **It is strongly recommended that students acquire a reading knowledge of German, French, or Italian by the end of the third year.** Students specializing in Ancient or Medieval art should also recognize the necessity of studying Greek and/or Latin. Students interested in pursuing Asian art history will need to acquire Chinese and/or Japanese and/or another Asian language.

First Year:

FAH102H1

Higher Years:

1. At least one half course in each of Groups A, B, C, and D (see below for definitions).
2. One additional half course in Group A and Group B.
3. No more than 3.5 FCEs may be taken at the 200-level.
4. 3.5 FCEs at the 300+level
5. 1 FCE at the 400 level. No more than 1.5 FCEs at the 400-level will be counted toward fulfilling program requirements.
6. Approved courses in other programs may be substituted for up to two FAH FCEs. See Department web site for details.

In addition, the Faculty of Arts and Science requires Fine Art History Specialists who do not complete FAH338H1 to complete at least 0.5 FCE in Arts and Science courses in Breadth Category 5: The Physical and Mathematical Universes.

Art History Major (Arts Program) - ASMAJ0908

Completion Requirements:

1 course=1 FCE (one full course equivalent); e.g., FAH101H1 + FAH102H1 = 1 course or 1 FCE

One half course = 0.5 FCE; e.g., FAH102H1

(6 FCEs)

At least six FAH FCEs fulfilling the following distribution requirements:

First Year:

FAH102H1

Higher Years:

1. At least one half course in three of the four FAH Groups (see below for definitions).
2. Three FCEs at the 300+ level, including at least one half-course at the 400-level.
3. No more than 1.0 FCE at the 400-level will be counted toward fulfilling program requirements.
4. Approved courses in other programs may be substituted for up to one FAH FCE. See Department web site for details.

In addition, the Faculty of Arts and Science requires History of Art Majors who do not complete FAH338H1 to complete at least 0.5 FCE in Arts and Science courses in Breadth Category 5: The Physical and Mathematical Universes.

Art History Minor (Arts Program) - ASMIN0908

Completion Requirements:

1 course=1 FCE (one full course equivalent); e.g., FAH101H1 + FAH102H1 = 1 course or 1 FCE

One half course = 0.5 FCE; e.g., FAH102H1

(4 FCEs)

At least four FAH courses fulfilling the following distribution requirements:

1. FAH102H1
2. At least one half course in two of the four FAH Groups (see below for definitions)
3. At least one FCE at the 300-level.

FAH Course Groups

Note:

1. Certain courses, including FAH101H1, do not satisfy the

- requirement for any group, but do count toward any FAH degree program.
2. Students who have already taken FAH100Y1 are encouraged, but not required, to take [FAH102H1](#) for the fulfillment of degree requirements.
 3. Courses used to satisfy one group requirement cannot be counted toward another group requirement.

Course Groups

Group A: Ancient, Medieval

- [FAH206H1 Prehistoric Aegean and East Mediterranean Art and Archaeology](#)
- [FAH207H1 Greek and Roman Art and Archaeology](#)
- [FAH215H1 Early Medieval Art and Architecture](#)
- [FAH216H1 Later Medieval Art and Architecture](#)
- [FAH303H1 Emergence of Greek Civilisation](#)
- [FAH308H1 City of Athens: Art, Politics and Society](#)
- [FAH309H1 City of Rome](#)
- [FAH310H1 Greek Vase Painting](#)
- [FAH311H1 Greek Sculpture](#)
- [FAH312H1 Art of the Hellenistic Age](#)
- [FAH313H1 Greek Myth in Ancient Art](#)
- [FAH318H1 Monastic Art and Architecture](#)
- [FAH319H1 Illuminated Manuscripts](#)
- [FAH326H1 Cultural History of Islamic Spain](#)
- [FAH327H1 Secular Art and Architecture of the Middle Ages](#)
- [FAH328H1 Gothic Cathedral](#)
- [FAH401H1 Aegean Wall Paintings](#)
- [FAH405H1 Understanding Dionysos: The God of Wine, Theatre and the Afterlife](#)
- [FAH406H1 Cross-Cultural Issues in Ancient Art Beyond Greece and Rome](#)
- [FAH407H1 Studies in Roman Painting and Sculpture](#)
- [FAH420H1 Studies in Western Medieval Art and Architecture](#)
- [FAH421H1 Studies in Medieval Cities](#)
- [FAH423H1 The Palaces of Minoan Crete](#)
- [FAH424H1 Studies in Medieval Book Illumination](#)

Group B: Renaissance-Baroque, Modern-Contemporary-Canadian

- [FAH230H1 Renaissance Art and Architecture](#)
- [FAH231H1 Baroque Art and Architecture](#)
- [FAH245H1 Modernism and anti-Modernism, c. 1750-1900](#)
- [FAH246H1 Art Since 1900](#)
- [FAH248H1 Canadian Painting 1665-1960](#)
- [FAH252H1 Introduction to the History of Photography](#)
- [FAH330H1 German Art and Architecture in the Age of Dürer](#)
- [FAH331H1 Netherlandish Renaissance Art and Culture](#)
- [FAH333H1 The Altarpiece in Italy ca. 1400 - ca. 1600](#)
- [FAH335H1 The Art of Love in the Renaissance](#)
- [FAH337H1 Rivalry, Imitation and Envy in Italian Renaissance Art](#)
- [FAH338H1 Art and Consumers in the Renaissance \(1400-1700\)](#)
- [FAH340H1 17th-Century Art of the Netherlands](#)

- [FAH341H1 Venetian Renaissance Art and Architecture](#)
- [FAH344H1 Rembrandt, Rubens and their Age](#)
- [FAH345H1 The Romantic Movement in French Art](#)
- [FAH346H1 Impressionism](#)
- [FAH347H1 Cubism and Related Movements](#)
- [FAH348H1 The Dada and Surrealist Tradition](#)
- [FAH349H1 Abstraction in Twentieth-Century Art](#)
- [FAH350H1 Minimalism](#)
- [FAH352H1 19th Century Photography](#)
- [FAH353H1 On Display: Cultures of Exhibition, 1789-1900](#)
- [FAH354H1 Art in Canada Since the 1960s](#)
- [FAH355H1 Landscape to EcoArt](#)
- [FAH430H1 Pieter Bruegel](#)
- [FAH432H1 Caravaggio](#)
- [FAH433H1 Leonardo and His Legacy in Renaissance Italy](#)
- [FAH434H1 The First Art Historians](#)
- [FAH435H1 Correggio](#)
- [FAH436H1 Italian Renaissance Art, Fashion, and Material Culture](#)
- [FAH440H1 Dutch Genre Painting of the 17th Century](#)
- [FAH445H1 The Paris Salon and French Art of the Nineteenth Century](#)
- [FAH447H1 19th-Century Landscape Painting](#)
- [FAH448H1 International Art Since 1940](#)
- [FAH449H1 Contemporary Art Movements](#)
- [FAH457H1 Issues in Canadian Art, ca. 1900-1940](#)
- [FAH458H1 Issues in Recent Canadian Art](#)

Group C: Asian

- [FAH260H1 The Artistic Landscape of East Asia](#)
- [FAH262H1 Art and Visual Experience in Modern and Contemporary East Asia](#)
- [FAH265H1 Monuments of the Islamic World](#)
- [FAH360H1 World of the Senses: Chinese Decorative Arts](#)
- [FAH363H1 The Mechanics of the Image in China](#)
- [FAH364H1 Visual South Asia](#)
- [FAH368H1 Encounters: Art Within and Beyond East Asia](#)
- [FAH461H1 East Asian Art as a Cultural System](#)
- [FAH462H1 Outside East Asian Art](#)
- [FAH463H1 Materiality, Objecthood, Connoisseurship and Collecting in the Arts of East Asia](#)
- [FAH464H1 Transregional East Asian Art](#)
- [FAH465H1 Exhibiting China](#)
- [FAH466H1 Photography in India](#)
- [FAH466H1 Photography in India](#)

Group D: History of Architecture

- [FAH270H1 Architecture: Rituals and Monuments](#)
- [FAH272H1 Modern Architecture from 1750 to the Present](#)
- [FAH370H1 European Renaissance Architecture](#)
- [FAH371H1 Architecture and Urbanism in Baroque Europe](#)
- [FAH372H1 Architecture in the Age of Historicism ca. 1750-ca. 1900](#)
- [FAH373H1 Modern Architecture Since 1890](#)
- [FAH374H1 Consequences of Modernism: Architecture after 1945](#)
- [FAH376H1 Canadian Architecture: A Survey](#)

- FAH377H1 Dilemmas of Nature and Culture: Landscape Architecture since 1850
- FAH470H1 Studies in Renaissance and Baroque Architecture
- FAH472H1 Studies in Modern Architecture
- FAH309H1 City of Rome
- FAH328H1 Gothic Cathedral
- FAH364H1 Visual South Asia
- FAH421H1 Studies in Medieval Cities

FAH195H1 - On Foot: From Pilgrimage to the Mobile City

Hours: 24S

Walking is a basic human activity, yet it also defines and shapes us. In order to understand the permutations of this seemingly simple activity we will look at walking in a variety of contexts through the study of texts, art, movies and the built environment. Restricted to first-year students. Not available for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Art History Courses

FAH101H1 - Monuments of Art History

Hours: 24L

Consideration of the stylistic and contextual significance of representative monuments in the history of art.

Exclusion: FAH100Y/FAH105H5

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH196H1 - Marco Polo's World

Previous Course Number: CCR199H1

Hours: 24S

This course explores the visual and material worlds of the Italian traveller Marco Polo, which are described in his *Travels*. Together we will read sections of this text and explore their meaning with respect to the objects and monuments of Marco Polo's time from the regions to which he travelled. By studying cartography, art, architecture, and urban form in the expansive medieval world of Marco Polo, the course will introduce us to the global world of the Middle Ages. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH102H1 - Art and Ideas

Hours: 24L/6T

A survey of the history of art, architecture and allied arts. This introduction to the history of art will examine a wide range of objects, selected and discussed in connection with a special theme to be selected by the instructor. Students will be expected to study the history and significance of art through the close reading of selected texts that relate to both art and theory. Special attention will be given to developing essential art historical skills necessary for upper level courses. The topic for each semester will vary based on the instructor. No previous knowledge of history of art or architecture is required. Frequent writing assignments and exercises will be based on readings, lectures, and museum or gallery visits to collections in Toronto.

Exclusion: FAH105H5/FAH202H5/VPHB39H3

Distribution Requirements: Humanities

FAH197H1 - Classical Art from Greek Gods to Roman Gladiators

Previous Course Number: CCR199H1

Hours: 24S

The ancient Greeks and Romans lived in a world full of images. Ancient visual culture comprises not only the high arts but also the everyday. This course is meant to introduce students to key ideas about how art and images in general impacted the life of ancient Greeks and Romans. Students will learn to examine various categories of visual material ranging from the pictorial and applied arts (painting, sculpture, architecture) to everyday artifacts (for example, domestic wares, jewelry or weapons). Through a series of discussion-centred seminar sessions students will explore the interconnections between art and ideology, art and identity as well as visuality and viewing. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH198H1 - Shocking Artists, Shocking Art

Previous Course Number: CCR199H1

Hours: 24S

Art causes scandals for many reasons, provoking a range of consequences, including censorship, cuts to government funding of the arts or even destruction of the work in question. In this course we will consider a number of kinds of art scandal arising from exhibition in public galleries and urban spaces, including those that have to do with legal issues such as plagiarism and vandalism; aesthetic objections on the part of the public, ranging from perceived obscenity to simple resentment of abstract art; racism; sacrilege; and political subversion, amongst others. We will consider the work of artists including Chris Ofili, Joep van Lieshout, Paul McCarthy, Damien Hirst, Michael Snow, Sally Mann, Banksy, Rachel Whiteread, Richard Prince, Andres Serrano, Robert Mapplethorpe, Carl Andre, Maya Lin, and Jeff Koons, amongst others. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH199H1 - Curiosity: Art and Science

Hours: 24S

“Curiosity” can refer to the desire to know or learn something, but the word has also been used to define objects of singular interest: “curiosities.” Drawing from the University of Toronto’s rich museum and library collections, this course will present an overview of the diverse and shifting European cultural attitudes toward curiosity—from the early modern period to the present. We will examine themes such as: museum history, rarity and monstrosity, natural history illustration, exploration and travel art, the construction of racial and cultural difference, and visual entertainment. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH205H1 - Clay: A Material and Visual History

Hours: 24L

This course will reveal the deep history of clay, stretching back to the Palaeolithic period with the first clay figurines; through the Neolithic period with its extensive use of clay for the earliest permanent houses, the first inorganic containers, and many votive offerings in clay; all the way to the present day with the ceramic art of Pablo Picasso, Grayson Perry, and Ai Weiwei. Our approach will also be thoroughly global, ranging from the Maya of Mesoamerica to the Mingei of Japan. The course will involve hands-on elements too, particularly with the nearby Gardiner Museum of Ceramic Art.

Recommended Preparation: FAH101H1/ FAH102H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH206H1 - Prehistoric Aegean and East Mediterranean Art and Archaeology

Hours: 24L

An overview of the major monuments, artifacts, themes and problems in the study of the archaeology, art and architecture of the Aegean region and the east Mediterranean to 1000BC.

Exclusion: FAH101Y5/FAH203H5/FAH204H5/ FAH205H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH207H1 - Greek and Roman Art and Archaeology

Hours: 24L

An overview of the major monuments, artifacts, themes and problems in the study of the archaeology, art and architecture of the civilizations of Greece and Rome.

Exclusion: FAH101Y5/FAH203H5/FAH204H5/ XBC199Y1 L0211

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH215H1 - Early Medieval Art and Architecture

Hours: 24L

An overview of major monuments and themes in the art and architecture of Western Europe and the Byzantine East from the third until the eleventh century.

Exclusion: FAH102Y5/ FAH261H1/FAH267H5/FAH271H5

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH216H1 - Later Medieval Art and Architecture

Hours: 24L

An overview of major monuments and themes in the art and architecture of Western Europe and the Byzantine East from the eleventh until the fifteenth century.

Exclusion: FAH102Y5/FAH267H5/FAH271H5

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH230H1 - Renaissance Art and Architecture

Hours: 24L

A selective survey of the major art centres and types of artistic and architectural production in Italy and northern Europe, from the early fifteenth century to the mid-sixteenth. Themes include the relations--artistic, economic and ideological--between northern and southern Europe during this period, the changing role of art in religious life, the emergence of secular themes, and the legacies left by Renaissance art to modern life and culture.

Exclusion: FAH200Y5/FAH274H5

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH246H1 - Art Since 1900

Hours: 24L

An introduction to the consolidation of Modernist tendencies in Europe to the mid 20th century and to the many contemporary responses to these achievements. Individual artists, including Picasso, Matisse, Duchamp, and Matthew Barney are considered in their relationship to various art movements and the theories that supported them, including Expressionism; Abstraction and Constructivism; Dada and Surrealism; Neue Sachlichkeit; Abstract Expressionism; Pop; Conceptual Art; Earth Art; Feminist Art; Postmodernism; New Media Art.

Exclusion: FAH288H5/FAH289H5

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH231H1 - Baroque Art and Architecture

Hours: 24L

Major forms of expression in the visual arts ca. 1600 - ca. 1750 with particular attention to forms, techniques, theories, and patronage of the arts as well as biographies of artists in Italy, France, the Netherlands, Flanders, Germany and England.

Exclusion: FAH200Y5/FAH279H5

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH248H1 - Canadian Painting 1665-1960

Hours: 24L

An introductory survey of the history of painting in Canada from the 17th to the 20th century.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH252H1 - Introduction to the History of Photography

Hours: 24L

This course surveys the history of photography in Europe and North America, from its origins to recent innovations in digital imaging. Emphasis is placed on the various aesthetic, scientific, and political discourses in which photography has been located, and the assumptions and premises associated with the medium's relationship to reality.

Exclusion: FAH352H1

Recommended Preparation: FAH102H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH245H1 - Modernism and anti-Modernism, c. 1750-1900

Hours: 24L

An introduction to the advent and development of art movements including Rococo and Neoclassicism; Romanticism and Revolution, Realism and the advent of Photography, Impressionism; Academic art; Post-Impressionism.

Exclusion: FAH287H5

Recommended Preparation: FAH102H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH260H1 - The Artistic Landscape of East Asia

Hours: 24L

An overview of major monuments and themes in the art and architecture of East Asia (China, Japan, Korea, Vietnam, Mongolia and Tibet), from the neolithic to the present.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH272H1 - Modern Architecture from 1750 to the Present

Hours: 24L

An introduction to the buildings, issues and ideas from Neoclassicism to the present.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH262H1 - Art and Visual Experience in Modern and Contemporary East Asia

Hours: 24L

An overview of major monuments and themes in the art and architecture of East Asia (China, Japan, Korea, Vietnam, Mongolia and Tibet) and its diaspora in the nineteenth and twentieth centuries.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH299Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

FAH265H1 - Monuments of the Islamic World

Hours: 24L

This course explores the architecture of the Islamic world from the 7th - 12th centuries through the lens of its major monuments throughout the central Islamic lands, North Africa and Spain. Through an emphasis upon the Umayyad, Abbasid, Fatimid and Seljuk periods, the course explores the range of cultural, political, social and religious aspects related to the development of the built environment. It also considers the impact of Islam's encounter with late antiquity and aims to position the rise of Islamic architecture within the context of this encounter. Additionally, the architecture is contextualized through a study of the urban history of select early and medieval Islamic cities.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH303H1 - Emergence of Greek Civilisation

Hours: 24L

This course investigates the material culture, art and architecture of the Aegean civilizations from the Neolithic through to the building of the palaces of Crete around 2000BC.

Prerequisite: FAH207H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH270H1 - Architecture: Rituals and Monuments

Hours: 24L

A survey of architecture from pre-history to the start of modernism, with attention given to the ways in which architecture shapes human experience.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH308H1 - City of Athens: Art, Politics and Society

Hours: 24L

This course provides a detailed investigation of the city of Athens, focusing on the art, architecture and archaeology in the later Archaic and Classical Period. A combination of topographical and chronological approach is taken to familiarize the students with both the physical cityscape as well as its development in the context of major areas of interest, such as politics, religion and social customs. Some broad themes explored include: art, democracy and propaganda (Agora), the impact of the Persian wars, ritual and religious festivals (Acropolis), the symposium, Athenian women, funerary art (Kerameikos), cult, sanctuaries and votives, art and Athenian drama. The course will also feature digital humanities components in the assignments, which may involve spatial mapping, 3D tools/VR and/or databases, as well as a trip to the Royal Ontario Museum.

Prerequisite: FAH207H1 or permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH309H1 - City of Rome

Hours: 24L

The art, architecture and archaeology of the city of Rome to AD476.

Prerequisite: FAH207H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH310H1 - Greek Vase Painting

Hours: 24L

This course is a comprehensive exploration of the art of Greek vase painting, covering material from the late Geometric period (8th C. BCE) to the late Classical Period (4th C. BCE). While iconography and narrative will form a major portion of the content, the class will also explore issues surrounding material and technique, the prevalent sympotic (drinking) culture and Greek rituals that provides the cultural framework, dynamics of trade, theories of viewership and semiotics, status of the artist, and other historiographical concerns, including problematic issues surrounding the modern practice of collecting.

Prerequisite: FAH207H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH311H1 - Greek Sculpture

Hours: 24L

The course provides a thorough examination of ancient Greek sculpture from 7th - 1st century BCE, which in many ways defined the canon of western art that was to follow. Classic issues of style, dating, and technique are complemented by putting them into the contexts of cultural history, religion and socio-politics. While the course is a traditional monument-based survey of major sculptural works from the ancient Greek world, several important issues are also addressed, pertaining both to contemporary society and the study of other areas of art history. These include but are not limited to: gender, social class, colonialism, notion of the artist, originality, and aesthetic theory.

Prerequisite: FAH207H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH312H1 - Art of the Hellenistic Age

Hours: 24L

Transformation in the visual arts, paintings, sculpture, and mosaics of the expanding Greek world c. 400BC to c. 100BC; the response to Hellenization from the new artistic centres of Asia Minor and Italy.

Prerequisite: FAH207H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH313H1 - Greek Myth in Ancient Art

Hours: 24L

A general introduction to Greek mythology and its uses (and abuses) by the Greeks and Romans through the art of antiquity. Students will learn about gods and goddesses, heroes and heroines, their attributes and stories which constituted the subjects of (not only) ancient art.

Exclusion: CLA204H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH318H1 - Monastic Art and Architecture**Hours:** 24L

An examination of the role played by monks and nuns in the creation and use of art and architecture in the Middle Ages.

Prerequisite: FAH215H1/ FAH216H1/FAH454H5**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH327H1 - Secular Art and Architecture of the Middle Ages****Hours:** 24L

A consideration of art and architecture made for the court, the aristocracy, and other patrons outside the realm of the Christian church.

Prerequisite: FAH215H1/ FAH216H1/FAH337H5**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH319H1 - Illuminated Manuscripts****Hours:** 24L

A focused survey of different types of manuscripts and their images from the origins of the book in Late Antiquity to the invention of printing.

Prerequisite: FAH215H1/ FAH216H1**Recommended Preparation:** SMC358H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH328H1 - Gothic Cathedral****Hours:** 24L

An examination of the Gothic cathedral from its origins in Paris in the 1130's through its development and elaboration in France, England and Italy. This course also considers monumental decorations in painted glass, wall painting, tapestry and portal sculpture.

Prerequisite: FAH215H1/ FAH216H1/FAH351H5**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH326H1 - Cultural History of Islamic Spain****Hours:** 24L

From its earliest beginnings as an Umayyad province and up until the 15th century, al-Andalus acted as a lynch pin within the Mediterranean world. Connecting the Islamic empire in the East and forging links of trade and cultural exchange with Europe to the West, cities such as Cordoba and Granada captured the imagination of contemporary chroniclers, earning descriptions in the sources as truly "first-rate places". Through an exploration of the historical, artistic, architectural, urban, social and economic contexts, this course will engage with and expand upon current understandings of this seminal period in Islamic history to examine Islam's encounters and modes of cultural exchange with Europe and the Mediterranean world.

Prerequisite: Any Medieval 200 or 300 level half-course (any one of FAH215H1, FAH216H1, FAH318H1, FAH319H1, FAH327H1, or FAH328H1).**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH330H1 - German Art and Architecture in the Age of Dürer****Hours:** 24L

Albrecht Dürer and the painting and printmaking of his contemporaries. Consideration of the great Hall churches of Saxony and the altarpieces of Tilman Riemenschneider and his contemporaries; the status of the arts and attitudes towards Italian art, and the consequences of the Reformation for religious imagery.

Prerequisite: FAH230H1/ FAH231H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

FAH331H1 - Netherlandish Renaissance Art and Culture

Hours: 24L

Painting, sculpture and architecture of the Netherlands in the sixteenth century with reference to the arts in Italy, France, Germany and Spain. Consideration of Netherlandish art in the context of literature, religion, urban expansion, political and economic developments; and as a system of communication. Particular attention devoted to Hieronymus Bosch, Pieter Bruegel, the rise of secular art.

Prerequisite: FAH230H1/ FAH231H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH333H1 - The Altarpiece in Italy ca. 1400 - ca. 1600

Hours: 24L

Focusing on developments in Venice, Florence and Rome during the Renaissance, this course examines altarpieces both as aesthetic objects and as expressions of the social, religious and political structures for which they were made.

Prerequisite: FAH230H1/ FAH231H1/274H1/279H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH335H1 - The Art of Love in the Renaissance

Hours: 24L

Love is studied not only as a favorite theme of Renaissance art, but as the basis of some of its fundamental aesthetic claims. The question of love connects Renaissance art to important strains of philosophical thought and religious spirituality, as well as to some urgent realities of social life.

Prerequisite: FAH230H1/ FAH231H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH337H1 - Rivalry, Imitation and Envy in Italian Renaissance Art

Hours: 24L

This course examines works in different art media, including painting, sculpture and prints, produced from 1400 to 1600, discussing how artistic practice of imitation and emulation stimulated the development of individual styles. In addition, this course addresses notions of disruptive rivalry, and the representation of slander and envy.

Prerequisite: FAH230H1/ FAH231H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH338H1 - Art and Consumers in the Renaissance (1400-1700)

Hours: 24L

It has long been said that the material culture of the Renaissance generated the first stir of consumerism with a variety of artifacts produced from 1400 to 1700 in Italy. This course explores the material culture of Renaissance consumerism and discusses the production and function of works in different art media.

Prerequisite: FAH230H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH340H1 - 17th-Century Art of the Netherlands

Hours: 24L

Concentration on the major painters of Holland's Golden Age, ca. 1580-ca. - 1700. Particular attention is paid to genre painting and the notion of "Dutch realism." Consideration of art within its social and political contexts. Notions of gender, of the historical past, of embodiment, and of contact with the non-western world will be discussed.

Prerequisite: FAH230H1/ FAH231H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH341H1 - Venetian Renaissance Art and Architecture

Hours: 24L

Form and meaning, theory and practice of painting and architecture in Venice, ca. 1450-ca. 1600. Social, political and cultural contexts of making and viewing art, including works by Giorgione, Titian, Veronese, Tintoretto and Palladio.

Prerequisite: FAH230H1/ FAH231H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH346H1 - Impressionism

Hours: 24L

The origin and development of Impressionism in France and Europe, 1860-1886, in its social, political and intellectual context. Painting, graphics and sculpture by Monet, Renoir, Degas, Pissarro, Sisley, Cassatt and Morisot.

Prerequisite: FAH245H1/ FAH246H1

Exclusion: FAH378H5

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH344H1 - Rembrandt, Rubens and their Age

Hours: 24L

Introduction to the art of Rembrandt and Rubens in the context of Netherlandish painting of the seventeenth century. Lectures will treat the approaches of these two artists to biblical and mythological subjects, landscape, portraiture, and their involvement in contemporary politics.

Recommended Preparation: FAH101H1/ FAH102H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH347H1 - Cubism and Related Movements

Hours: 24L

An investigation of the birth and development of Cubism, Futurism and Orphism in Europe and North America.

Prerequisite: FAH245H1/ FAH246H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH345H1 - The Romantic Movement in French Art

Hours: 24L

This course explores the painting, sculpture, and graphic arts of the Romantic era in France, from about 1820 to 1850. Major emphasis on Gericault, Delacroix, and Ingres in their artistic, cultural, and political context. Key topics in Romanticism, including Orientalism and gender, are also explored.

Prerequisite: FAH245H1/ FAH246H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH348H1 - The Dada and Surrealist Tradition

Hours: 24L

The origins and development of the Dada and Surrealist movements in early 20th-century Western art, and their lasting impact on art after World War II. Painting, sculpture, graphic arts, and the theoretical preoccupation which accompanied artistic production.

Prerequisite: FAH245H1/ FAH246H1

Exclusion: FAH447H5

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH349H1 - Abstraction in Twentieth-Century Art

Hours: 24L

The origins, development, and critical issues pertaining to abstract or non-figurative modes of art as manifested in painting, sculpture and other selected media up to the present time. Movements include European abstract art before World War II as well as post-war developments.

Prerequisite: FAH102H1/ FAH245H1/ FAH246H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH350H1 - Minimalism**Hours:** 24L

An investigation of the different definitions and issues of minimal art including seriality, materials, process, objecthood, chance, installation, reception, relations to music and film, and the influence of structuralism.

Prerequisite: FAH102H1/ FAH245H1/ FAH246H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH354H1 - Art in Canada Since the 1960s****Hours:** 24L

An examination of the visual arts in Canada from the 1960's to the present. A large and diverse range of media, practices, artists, and theoretical contexts will be examined. Emphasis is placed on work that can be seen in the original.

Prerequisite: FAH101H1/ FAH102H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH352H1 - 19th Century Photography****Hours:** 24L

An introduction to the major artists, movements, and debates in photography in Europe and North America, from its prehistory to the turn of the century. Issues considered include the relationship of social class to aesthetics, the role of illusion, the rise of mass reproduction.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH355H1 - Landscape to EcoArt****Hours:** 24L

Ecological art is a focus in contemporary global art. We examine ecoart's antecedents in the landscape genre and Earth Art and the diverse theoretical and disciplinary perspectives that inform our understanding of these movements. Artists include Burtnsky, Eliasson, Long, Mendieta, Netco, Smithson, Turrell. Readings include Deleuze, Heidegger, Latour.

Prerequisite: FAH246H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH353H1 - On Display: Cultures of Exhibition, 1789-1900****Hours:** 24L

Examination of the historical development of the cultures of exhibition in Nineteenth-Century Europe, and the diversity of venues displaying works of art and nature. Historical and theoretical overview is complemented by case studies which include investigations of private cabinets of curiosity, encyclopedic museums, commercial galleries, side-shows, and world's fairs.

Prerequisite: Any FAH 200-level course**Recommended Preparation:** some introduction to art and/or cultural history**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH360H1 - World of the Senses: Chinese Decorative Arts****Hours:** 24L

This course surveys late imperial Chinese decorative arts from the Song (960-1127) through Qing (1644-1911) dynasties. It focuses on ceramics/porcelain, textiles, and furniture, attending especially to works in Toronto collections. Students will read primary and secondary sources to learn how decorative arts shaped daily life in imperial China.

Prerequisite: Any 200-level FAH half course/any 100- or 200-level EAS Society-Culture course.**Recommended Preparation:** FAH260H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

FAH363H1 - The Mechanics of the Image in China

Hours: 24L

East Asian images differ from Western ones in material support, format, and technologies of image-making. This course probes how East Asian images -- painting on objects, handscrolls, prints, optical media, film, and new media – work.

Prerequisite: Any 200 level FAH half course/ANY 100 or 200 level EAS Society-Culture course

Recommended Preparation: FAH260H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH370H1 - European Renaissance Architecture

Hours: 24L

Architecture and architectural theory ca. 1400 – ca. 1600.

Prerequisite: FAH270H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH371H1 - Architecture and Urbanism in Baroque Europe

Hours: 24L

Architecture studied through its various building types and in its urban context. Themes include architecture and power under Absolutism, and the rise of the modern city.

Prerequisite: FAH270H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH372H1 - Architecture in the Age of Historicism ca. 1750-ca. 1900

Hours: 24L

Major monuments and key figures in architecture and urbanism in Europe and North America from the Enlightenment to the birth of Modernism.

Prerequisite: FAH270H1/ FAH272H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH373H1 - Modern Architecture Since 1890

Hours: 24L

Major monuments and key figures in architecture and urbanism from Industrialization to the mid-twentieth century. Topics may include architectural theory, colonialism, and new technologies.

Prerequisite: FAH270H1/ FAH272H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH364H1 - Visual South Asia

Hours: 24L

An overview of the visual culture (monuments to films) of South Asia form the Indus Valley Civilization (3500 BCE) to the contemporary. Focus on visual literacy, stylistic evolution, major concepts and the first-hand study of objects.

Prerequisite: any 200-level FAH half course / any course in Asian history, culture, or religion

Recommended Preparation: FAH260H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH368H1 - Encounters: Art Within and Beyond East Asia

Hours: 24L

Artistic production moved fluidly within and beyond East Asia. To understand the artistic world of East Asia, this course probes phenomena that may include Buddhist art, art of conquest dynasties, Chinoiserie, art of the Pacific Rim, film, and contemporary art.

Prerequisite: Any 200 level FAH half course/ANY 100 or 200 level EAS Society-Culture course

Recommended Preparation: FAH260H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH374H1 - Consequences of Modernism: Architecture after 1945

Hours: 24L

An examination of architectural theory and practice from the end of Modernism to the present.

Prerequisite: FAH270H1/ FAH272H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH380H1 - Special Topics in Art History

Hours: 24L

The study of various aesthetic, cultural, social, political, and theoretical aspects of Western art and photography across the centuries.

Prerequisite: Two FAH half courses or permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH376H1 - Canadian Architecture: A Survey

Hours: 24L

Vernacular traditions in building, patterns of settlement and urbanization, and development of high styles in architecture in New France, British North America, and what is now Canada, from ca. 1650 to ca. 1925. Material economy, cultural identity, local character, regional expression, national symbolism and international influences.

Prerequisite: FAH270H1/ FAH272H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH381H1 - Problems in Jewish Art

Hours: 24L

This course investigates the changing definition of Jewish art and the status of Jewish artists. Other issues explored include Jewish-Christian visual polemics, the construction of individual and communal Jewish identity through art, architecture, and texts, and the conceptual transformation of Jewish craft and ritual objects into art.

Recommended Preparation: FAH102H1, a 200 level FAH half course

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH377H1 - Dilemmas of Nature and Culture: Landscape Architecture since 1850

Hours: 24L

This course examines landscape architecture in relation to its political and social contexts from the mid-nineteenth century to the present when it emerged as a profession in North America. It looks at how landscape architecture embodies and challenges our understandings of culture's variable, tangled relationship to nature. It discusses specific projects, designers and their writings that shaped popular understandings of society's connection to the environment.

Prerequisite: FAH102H1/ FAH246H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH382H1 - Art Writing

Hours: 12L/12P

Study and practice in the variety of writing genres and styles associated with art history and contemporary criticism. Students will develop skills in writing for museum exhibitions and publications, reviews and criticism, academic analysis, and writing for popular print and media. Regular and frequent writing assignments. Recommended for FAH majors and specialists.

Prerequisite: Any 200-level FAH course

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH390Y0 - Studies Abroad in Spanish Art and Architecture

Hours: 24L

Through site visits and local resources, this course looks at the history of Spanish art and architecture, including the various work created by the diverse religious and political groups of the Iberian peninsula. The specific focus of the course may vary from year to year.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH391Y0 - Studies Abroad in Ancient Art and Architecture

Hours: TBA

Studies Abroad in Ancient Art and Architecture. Not eligible for CR/NCR option.

Prerequisite: one FAH half course in ancient art, architecture, and archaeology/permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH392Y0 - Studies Abroad in Medieval Art and Architecture

Hours: TBA

Studies Abroad in Medieval Art and Architecture. Not eligible for CR/NCR option.

Prerequisite: one FAH half course in medieval art and architecture/permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH393Y0 - Studies Abroad in Renaissance and Baroque Art and Architecture

Hours: TBA

Studies Abroad in Renaissance and Baroque Art and Architecture. Not eligible for CR/NCR option.

Prerequisite: one FAH half course in Renaissance or Baroque art and architecture/permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH394Y0 - Studies Abroad in Modern and Contemporary Art and Architecture

Hours: TBA

Studies Abroad in Modern and Contemporary Art and Architecture.

Prerequisite: one FAH half course in Modern or Contemporary art and architecture/permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH396Y0 - Studies Abroad in Asian Art and Architecture

Hours: TBA

Studies Abroad in Asian Art and Architecture. Not eligible for CR/NCR option.

Prerequisite: one FAH half course in Asian art and architecture/permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH397Y0 - Studies Abroad in Architectural History

Hours: TBA

Studies Abroad in Architectural History. Not eligible for CR/NCR option.

Prerequisite: one FAH half course in architectural history/permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH398H0 - Research Excursions

Hours: TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

FAH398Y0 - Research Excursions**Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**FAH399Y1 - Research Opportunity Program****Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

FAH401H1 - Aegean Wall Paintings**Hours:** 24S

Investigation of the wall-paintings of the Minoan, Cycladic and Mycenaean worlds in the second millennium BC: context, associations, viewing and historical interpretations.

Prerequisite: FAH205H1/ FAH206H1**Recommended Preparation:** FAH300H1/ FAH303H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH405H1 - Understanding Dionysos: The God of Wine, Theatre and the Afterlife****Hours:** 24S

The Greek god Dionysos presents a multifaceted entry point into exploring Ancient Greek art, culture, religion and history. This course is a comprehensive exploration of the figure of Dionysos, from his obscure pre-historic beginnings of foreign origin, to his transformation into other post-classical entities, spanning Christianity to Buddhism. A substantial part of the course deals with his representations in Greek art, and the god's relationship to the Greeks as the governing figure of many important facets of their lives: drinking practices, sexuality, the performative arts, and the transition into the afterlife through the notion of eternal bliss. The course reading draws on art historical literature, as well as primary sources, and theoretical texts regarding religion and cultural practices.

Prerequisite: FAH207H1 / FAH310H1 / FAH311H1 / FAH312H1 / FAH313H1 / CLA204H1 / CLA232H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH406H1 - Cross-Cultural Issues in Ancient Art Beyond Greece and Rome****Hours:** 24S

When cultures collide, they assimilate, they exchange, they transform, and they develop, and there seems to be a pattern of recognizable centres of power around which artistic tradition often revolves. This has caused the conventional understanding of certain flowering of artistic heritage as a product of cross-cultural influences. This course is a seminar style survey that explores these fascinating amalgams of artistic traditions that lie at the Eastern outskirts of the Hellenistic world throughout the Roman Period, from Bactria to India, and with a heavy focus on the Buddhist art of Gandhara, reaching out along the Silk Road. As the title suggests, the class aims at a renewed framework that re-evaluates the role of the Ancient West, which has been absent since the heavily Eurocentric scholarship from the early 20th century. It also aims to familiarize students with current theoretical issues surrounding cross-cultural studies as it pertains to the visual arts, touching upon modern postcolonial theories of space.

Prerequisite: FAH207H1; three additional FAH courses**Recommended Preparation:** FAH311H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH407H1 - Studies in Roman Painting and Sculpture****Hours:** 24S

Issues explored might cover Republican and Imperial painting; its Hellenistic sources and parallel media (mosaic, relief). The four distinctive genres of Roman sculptural production: the portrait, the historical relief, sarcophagi, and replicas of famous Greek sculptures. Styles, themes and modes of display in cultural context.

Prerequisite: FAH206H1**Recommended Preparation:** FAH305H1/ FAH309H1/ FAH312H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH420H1 - Studies in Western Medieval Art and Architecture****Hours:** 24S

In-depth examination of monuments and issues in the art and architecture of Western Europe from the sixth to the fifteenth century.

Prerequisite: FAH215H1/ FAH216H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

FAH421H1 - Studies in Medieval Cities**Hours:** 24S

A focused examination of urbanism, art and architecture of a specific medieval city, such as Jerusalem, Rome, Constantinople, or Paris.

Prerequisite: FAH215H1/ FAH216H1**Recommended Preparation:** FAH327H1/ FAH328H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH430H1 - Pieter Bruegel****Hours:** 24S

The study of Pieter Bruegel's works in the context of Netherlandish culture. Emphasis on secular works.

Prerequisite: FAH331H1; permission of instructor**Recommended Preparation:** Reading knowledge of French or German**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH423H1 - The Palaces of Minoan Crete****Hours:** 24L

Around 2000 BC, the island of Crete sees the emergence of what are arguably the earliest towns and states in European prehistory. At the heart of this new social order are the so-called 'palaces', massive architectural complexes usually interpreted as seats of administrative and political authority. However, fresh discoveries over the past two decades, coupled recently with radical new interpretations, require a fundamental rethinking of the nature of the palaces and their role in Minoan society. This course will provide students with an active opportunity to learn about the latest developments in Minoan art, architecture, and archaeology.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH432H1 - Caravaggio****Hours:** 24S

The life and work of Caravaggio in the context of 17th-century Roman and Neapolitan art theory and patronage, with a particular emphasis on the contentious issue of realism.

Prerequisite: Permission of instructor**Recommended Preparation:** FAH230H1/ FAH231H1/ FAH341H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH433H1 - Leonardo and His Legacy in Renaissance Italy****Hours:** 24S

This seminar examines major critical developments in the interpretation of High Renaissance art in Italy by looking at key works produced by Leonardo, his contemporaries, and followers (1470-1530).

Prerequisite: FAH230H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH434H1 - The First Art Historians****Hours:** 24S

In Vasari's *Lives of the Artists* and their "after-lives," painters and humanists explored questions of word and image, art and life, biography and history, the psychology of style, the economics and politics of art and the languages of art. How and why did art history originate?

Prerequisite: FAH230H1/ FAH231H1 and permission of instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

FAH435H1 - Correggio

Hours: 24S

Exhibitions, symposia and several publications have recently reconsidered the art of the High Renaissance artist Correggio (1489/1494?-1534), but its understanding remains problematic within the current paradigms of Italian Renaissance art. As has been often observed, Correggio was and still is an undervalued artist. This seminar will consider Correggio's most ambitious works of art of his short career – his altarpieces, dome decorations and amazing erotic images – and reconstruct their meanings to familiarize undergraduate students with an overlooked corpus of works in the general histories of Renaissance art, while providing them with the basic art historical research tools in the field of Italian Renaissance art.

Prerequisite: FAH230H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH445H1 - The Paris Salon and French Art of the Nineteenth Century

Hours: 24S

French painting, sculpture, and criticism of the mid-19th century, with particular to the key role played by the Paris Salon: its emergence and decline as a public space for exhibitions, its impact on the shape of artistic careers, and the relation between the Salon and artistic practices. Attention both to Modernist artists, such as Manet, and to their opponents. Students will engage in critical readings of primary and secondary texts (Baudelaire, T. J. Clark, Michael Fried), as well as conduct original research on important Salon paintings and sculptures. Assignments will include a book review, an annotated bibliography, and a research paper.

Prerequisite: FAH245H1

Recommended Preparation: FAH346H1/ FAH345H1. Reading knowledge of French strongly recommended.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH436H1 - Italian Renaissance Art, Fashion, and Material Culture

Hours: 24S

This seminar explores fashion in the visual and material culture of Renaissance Italy. It focuses on the discourse of fashion as represented by Renaissance artists in their works and as treated in contemporary texts. It further examines the multiple meanings of dress in the courts of Renaissance Italy.

Prerequisite: FAH230H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH447H1 - 19th-Century Landscape Painting

Hours: 24S

Investigation of English, French, German and Swiss landscape painting from the birth of the Romantic movement to Post-Impressionism.

Prerequisite: FAH245H1

Recommended Preparation: Reading knowledge of French or German

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH440H1 - Dutch Genre Painting of the 17th Century

Hours: 24S

Study of so-called "scenes of everyday life." Special attention given to cultural context and problems of constructions of gender and gendered relationships, of social and economic interests, of class conflict, of the relationship with broader European culture. Considerable attention will be paid to the work of Jan Vermeer.

Prerequisite: FAH331H1/ FAH340H1; permission of instructor

Recommended Preparation: Reading knowledge of French or German

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH448H1 - International Art Since 1940

Hours: 24S

Developments in the mainstream of Western painting and sculpture since World War II with special emphasis upon interrelations between Europe and North America.

Prerequisite: FAH246H1/ FAH348H1/ FAH350H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH449H1 - Contemporary Art Movements**Hours:** 24S

Selected aspects of the complex array of international contemporary art movements, their artists, objects, and critical discourses. Potential issues include the theoretical, philosophical, and political concerns addressed by given artworks and artists; the role of art journals, the private patron, and museum display.

Prerequisite: FAH246H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH462H1 - Outside East Asian Art****Hours:** 24S

Methodologically- and historiographically-focused seminar that attends to the contiguities and ruptures of approaching East Asian art through Western art historical methods.

Prerequisite: FAH260H1/ FAH262H1/ FAH360H1/ FAH363H1/ FAH364H1/ FAH368H1/ EAS211Y0/ EAS227Y/ EAS233H1/ EAS237Y1/ EAS305Y1/ EAS331Y1/ EAS418H1; permission of instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH457H1 - Issues in Canadian Art, ca. 1900-1940****Hours:** 24S

Focused, thematic examinations of the visual arts in Canada in the first half of the twentieth century.

Prerequisite: FAH248H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH463H1 - Materiality, Objecthood, Connoisseurship and Collecting in the Arts of East Asia****Hours:** 24S

Seminar based on firsthand examination of East Asian objects in Toronto collections that attends to the historical processes by which such objects were valued and collected.

Prerequisite: FAH260H1/ FAH262H1/ FAH360H1/ FAH363H1/ FAH364H1/ FAH368H1/ EAS211Y0/ EAS227Y/ EAS233H1/ EAS237Y1/ EAS305Y1/ EAS331Y1; permission of instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH458H1 - Issues in Recent Canadian Art****Hours:** 24S

Focused, thematic examinations of the visual arts in Canada from c. 1960 to the present.

Prerequisite: FAH354H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH464H1 - Transregional East Asian Art****Hours:** 24S

In-depth examination of the play of East Asian Art within and beyond East Asia.

Prerequisite: FAH260H1/ FAH262H1/ FAH360H1/ FAH363H1/ FAH364H1/ FAH368H1/ EAS211Y0/ EAS227Y/ EAS233H1/ EAS237Y1/ EAS305Y1/ EAS331Y1; permission of instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH461H1 - East Asian Art as a Cultural System****Hours:** 24S

Methodologically-focused seminar engaged with recovering and articulating in Western terms indigenous ways of seeing and thinking about East Asian art.

Prerequisite: FAH260H1/ FAH262H1/ FAH290H1/ FAH361H1/ FAH362H1/ FAH363H1/ FAH364H1/ FAH365H1/ FAH368H1/ EAS211Y0/EAS227Y/ EAS233H1/ EAS237Y1/ EAS305Y1/ EAS331Y1/ EAS418H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

FAH465H1 - Exhibiting China

Hours: 24S

This seminar teaches students the skills required to curate an exhibition of Chinese materials. Working firsthand with objects of Chinese art and visual culture in local Toronto collections, students learn to document the object, assess authenticity, write object labels, panel texts, and catalogue essays. Students will thus prepare an exhibition, actual or virtual, of Chinese objects in local collections.

Prerequisite: FAH260H1/ FAH262H1/ FAH360H1/ FAH363H1/ FAH364H1/ FAH368H1/ EAS211Y0/ EAS227Y/ EAS233H1/ EAS237Y1/ EAS305Y1/ EAS331Y1; permission of instructor

Recommended Preparation: Two additional courses in Chinese/East Asian art

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH473H1 - Studies in Canadian Architecture and Landscapes

Hours: 24S

An in-depth study of themes in the history of architecture and landscape in Canada.

Prerequisite: FAH270H1/ FAH272H1/ permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH466H1 - Photography in India

Hours: 24S

Examination of current issues in and methods of studying photography in India. Focus on visual evolution, theories and concepts of looking at photographs, and intersections of India with the rest of the world. Includes first-hand study of objects in ROM collection, and possible guest lectures.

Prerequisite: FAH262H1/ FAH364H1/ FAH365H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH480H1 - University Art Centre Exhibition Course

Hours: 24S

Students work together designing and installing an exhibition of works of art, normally drawn from the collections of the University Art Centre. The course meets every two weeks at the University Art Centre over the entire academic year.

Prerequisite: 8 FAH half courses; permission of instructor (application in department)

Exclusion: FAH451H5

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH481H1 - Internship

Hours: 24S

The internship is designed to offer hands-on experience pertaining to the study, exhibition, and care of works of art, focused on the collections and activities of the University Art Centre, an auction house, a public museum, or a private gallery. Students must provide proof of their acceptance as an intern by the Art Centre/auction house/museum/gallery in order to be enrolled in the course. This course is Pass/Fail. Not eligible for CR/NCR option.

Prerequisite: 8 FAH half courses; permission of instructor (application in department)

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH470H1 - Studies in Renaissance and Baroque Architecture

Hours: 24S

An in-depth study of themes and problems in architecture in Renaissance and Baroque Europe.

Prerequisite: FAH370H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH472H1 - Studies in Modern Architecture

Hours: 24S

Focused examination of themes and methods in the history of architecture since 1750.

Prerequisite: FAH272H1 or Permission of Instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH481Y1 - Internship**Hours:** 48S

The internship is designed to offer hands-on experience pertaining to the study, exhibition, and care of works of art, focused on the collections and activities of the University Art Centre, an auction house, a public museum, or a private gallery. Students must provide proof of their acceptance as an intern by the Art Centre/auction house/museum/gallery in order to be enrolled in the course. This course is Pass/Fail. Not eligible for CR/NCR option.

Prerequisite: 8 FAH half courses; permission of instructor (application in department)

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH485H1 - Collecting Canada: Canadian Pictorial Arts Collection at the Royal Ontario Museum**Hours:** 24S

Theoretical and practical engagement with the ROM's Canadian paintings, prints and drawing collections (18th-20th C). Through lectures, workshops, and seminars, we consider the collecting, interpretation, and display of images within the framework of "documentary art" and its various connotations.

Prerequisite: FAH248H1, 2.0 300-level FAH courses

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH483H1 - Introduction to Conservation: Materials, Deterioration, and Preservation in Art and Material Culture**Hours:** 24S

An introduction to conservation, designed to give students a basic understanding of the field, its techniques, and its purposes. Sessions conducted by specialists in the Royal Ontario Museum conservation department.

Prerequisite: 8 FAH half courses; permission of instructor.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH486H1 - Case Studies at the Royal Ontario Museum**Hours:** 24S

In-depth investigation of objects at the Royal Ontario Museum. Content will vary according to the museum department offering the course in any given semester.

Prerequisite: 8 FAH half courses

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH484H1 - Fashion, & Textiles: Culture & Consumption**Hours:** 24S

This course examines the history, meaning and consumption of Western European textiles (Late Antique - 18th century) and fashionable dress (18th - 21st centuries). Analysis and research will combine student seminars with the study of actual artefacts in the Textile & Costume Collection of the Royal Ontario Museum.

Prerequisite: 8 half FAH courses

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH487H1 - Introduction to Asian Textiles**Hours:** 24S

Introduction to the diverse textile traditions of Asia and the diverse means for interpreting them, with a concentration on core production areas, select regional traditions and connecting forces. Includes first-hand study of objects in ROM collections and galleries and possible guest lectures.

Prerequisite: 8 half FAH courses (4.0 FCE)

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH488H1 - Special Topics in Chinese Art: Ideas and Practices

Hours: 24S

Making use of ROM's Chinese art collection, this object-based, case-study oriented seminar explores the ideas and practices behind works of Chinese art. The course examines art and artifacts in relation to their historical contexts, paying close attention to such issues as political practices, religious quests, patronage, audience, and literati culture.

Prerequisite: 8 half FAH courses which may include 1.0 EAS FCE as a substitute

Recommended Preparation: Introductory courses in East Asian or Chinese art.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH491H1 - Independent Studies in Ancient Art and Architecture

Hours: TBA

Independent Studies in Ancient Art and Architecture. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH491Y1 - Independent Studies in Ancient Art and Architecture

Hours: TBA

Independent Studies in Ancient Art and Architecture. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH489H1 - Topics in the History of Art and Architecture

Hours: 24S

Focused examination of special topics in any period of Mediterranean, European, North American, or Asian art and architecture.

Prerequisite: 8 FAH half courses; permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH492H1 - Independent Studies in Medieval Art and Architecture

Hours: TBA

Independent Studies in Medieval Art and Architecture. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH490H1 - Introduction to the Textile Arts of the Indian Ocean World

Hours: 24S

The Indian Ocean has been called the Cradle of Globalization. For thousands of years monsoon winds linked the people and arts of this vast Ocean that stretches from East Africa in the West to Indonesia (and beyond) in the East. Throughout its long history, handwoven textiles have been amongst the area's greatest art forms, trade goods, religious objects and markers of identity. This course will survey the wide variety of these forms, from c. 1100 to 1950. Special attention is placed on India, which lies at the center of the region, and originated many of the fibres, techniques, design and iconography of the wider area. Select regional manifestations are then examined in depth, using the ROM's extensive collections. These range from the silks of Madagascar, to embroidered men's wear of Oman, to the cosmopolitan batiks of northern coastal Java. It is seen that all these traditions can best be understood within the framework of the wider Indian Ocean region.

Prerequisite: Permission of the instructor

Recommended Preparation: Asian art, Islamic art, or anthropology

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH492Y1 - Independent Studies in Medieval Art and Architecture

Hours: TBA

Independent Studies in Medieval Art and Architecture. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH493H1 - Independent Studies in Renaissance and Baroque Art and Architecture**Hours:** TBA

Independent Studies in Renaissance and Baroque Art and Architecture. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH495H1 - Independent Studies in Canadian Art and Architecture****Hours:** TBA

Independent Studies in Canadian Art and Architecture. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH493Y1 - Independent Studies in Renaissance and Baroque Art and Architecture****Hours:** TBA

Independent Studies in Renaissance and Baroque Art and Architecture. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH495Y1 - Independent Studies in Canadian Art and Architecture****Hours:** TBA

Independent Studies in Canadian Art and Architecture. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH494H1 - Independent Studies in Modern and Contemporary Art and Architecture****Hours:** TBA

Independent Studies in Modern and Contemporary Art and Architecture. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH496H1 - Independent Studies in Asian Art and Architecture****Hours:** TBA

Independent Studies in Asian Art and Architecture. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH494Y1 - Independent Studies in Modern and Contemporary Art and Architecture****Hours:** TBA

Independent Studies in Modern and Contemporary Art and Architecture. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FAH496Y1 - Independent Studies in Asian Art and Architecture****Hours:** TBA

Independent Studies in Asian Art and Architecture. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

FAH497H1 - Independent Studies in Architectural History

Hours: TBA

Independent Studies in Architectural History. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH497Y1 - Independent Studies in Architectural History

Hours: TBA

Independent Studies in Architectural History. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Astronomy and Astrophysics

Faculty List

Faculty List

Professors Emeriti

C.T. Bolton, MSc, PhD
 C.M. Clement, BSc, MA, PhD
 M.J. Clement, MSc, PhD
 C.C. Dyer, MSc, PhD (University of Toronto Scarborough)*
 J.D. Fernie, MSc, PhD, FRSC
 P.P. Kronberg, MSc, PhD, DSc
 S.W. Mochnicki, MSc, PhD
 J.R. Percy, BSc, MA, PhD (University of Toronto Mississauga)
 S.M. Rucinski, MSc, PhD
 E. R. Seaquist, MA, PhD

Professor and Chair

R.G. Carlberg, MSc, PhD, FRSC

Associate Chair, Graduate Studies

C.D. Matzner, BA, MA, PhD

Associate Chair, Undergraduate Studies

D.-S. Moon, PhD

University Professor

J.R. Bond, OC, MS, PhD, FRSC, FRS*

Professors

R. Abraham, BSc, DPhil
 P. Artymowicz, MSc, PhD (University of Toronto Scarborough)*
 B. Gaensler, BSc (Hon), PhD, FAA (Director, Dunlap Institute)*
 J.B. Lester, MS, PhD (University of Toronto Mississauga)*
 P.G. Martin, MSc, PhD, FRSC (CITA)*
 C.D. Matzner, BA, MA, PhD
 N.W. Murray, BSc, PhD (CITA)*
 C.B. Netterfield, BSc, PhD (Physics)*
 U-L. Pen, MSc, PhD (CITA)*
 A.C. Thompson, BSc, PhD (CITA)*
 M.H. van Kerkwijk, MA, PhD
 Y. Wu, PhD
 H.K.C. Yee, BASc, PhD, FRSC

Associate Professors

K. Menou, DEA, PhD (University of Toronto Scarborough)*
 D.-S. Moon, PhD
 M. Reid, MSc, PhD (Associate Professor, Teaching Stream)*

Assistant Professors

J. Bovy, MA, PhD
 M. Drout, PhD
 R. Friesen, PhD
 R. Hlozek, BSc (Hon), MSc, DPhil*
 J. P. Lowman, MSc, PhD (University of Toronto Scarborough)*
 H. Rein, BA, PhD (University of Toronto Scarborough)*
 S. Sivanandam, BSc (Hon), MSc, PhD*
 K. Vanderlinde, BSc, PhD*
 D. Valencia, BASc, MA, PhD (University of Toronto Scarborough)*
 J. Webb, PhD

Status Only Faculty

R. Jayawardhana, BS, AM, PhD

* Cross-appointed

Introduction

Astronomy explores the universe beyond the earth and attempts to understand the physical processes that describe its contents. Essentially all civilizations have developed astronomy to some degree, with records extending back to the Babylonians. The modern development of astronomy began with Galileo turning a telescope to the sky and the heliocentric model of the solar system. Astronomy and astrophysics have undergone a revolution in the past fifty years as telescopes ranging from the radio to the gamma ray have discovered the relict radiation from the Big Bang, stars and galaxies that were forming not long after, ultradense neutron stars and black holes, as well as planets around other stars. Astronomy as a discipline is a distinctive integration of many of the sciences. At the introductory level it is used to provide a non-technical overview of the scientific approach to questions and our current understanding. At the more advanced level a quantitative physical understanding of astrophysical systems is developed. A graduate in astronomy has a wide grounding in modern physical science which is important for a wide range of roles in society.

Several courses are offered to suit persons of diverse backgrounds and depths of interest. Two beginning courses (AST101H1, AST201H1) require no special knowledge of mathematics or other sciences and are best suited to students taking non-science programs. These courses develop an understanding of the universe in a qualitative way and in terms of natural laws familiar to us on Earth. AST121H1 is an introductory astronomy course for all science students, while AST210H1 is intended for science students who do not intend to pursue an astronomy program. AST251H1 is best suited to life science students.

The remaining courses are designed for physical sciences and astronomy program students. For all Astronomy & Astrophysics programs, the first astronomy courses normally start in the second year, as they require the mathematical and physical grounding provided in the first year. In third year, after further physics and mathematics, follow more advanced theoretical study as well as a lab course that includes the use of the campus telescopes. For the major program, this is complemented by electives in more advanced mathematics, physics or numerical methods, as well as an introduction to astrophysical research. For the Astronomy & Physics specialist program, intensive training in all aspects of physics is added, allowing supervised, forefront research in fourth year, and preparing for a career in (astro)physical research via graduate studies or otherwise.

The Department works closely with two related academic units, the Canadian Institute for Theoretical Astrophysics (CITA) and the Dunlap Institute for Astronomy and Astrophysics (DI). With a national mandate, CITA fosters research in theoretical aspects of the discipline, including the exploitation of high performance computers in house and in SciNet. Complementary to this, a focus of DI is on the design and development of astronomical instrumentation. Undergraduate students will find diverse research opportunities through the Department and these two cognate units.

Undergraduate Enquiries: ungrad.sec@astro.utoronto.ca (416-946-5243)

Web site: <http://www.astro.utoronto.ca>

Astronomy and Astrophysics Programs

Astronomy & Physics Specialist (Science Program) - ASSPE0271

Enrolment Requirements:

Astronomy & Astrophysics programs have unlimited enrolment and no specific admission requirements. All students who have completed at least 4.0 courses are eligible to enrol.

Completion Requirements:

The Astronomy & Physics Specialist program combines rigorous training in the full spectrum of core physics subfields with their application in astronomy. Lecture courses are complemented by practical courses, and the program culminates in a supervised research project, where all the skills learned are used, and which is intended to be published.

(14 full courses or their equivalent, including at least 4 at the 300+ level, and at least 1 at the 400 level)

First Year:

MAT137Y1/ MAT157Y1, MAT223H1/ MAT240H1; PHY151H1, PHY152H1

Second Year:

AST221H1, AST222H1; MAT237Y1/ MAT257Y1/ MAT235Y1, MAT244H1/ MAT267H1; PHY250H1, PHY252H1, PHY256H1
(MAT237Y1, MAT244H1 recommended)

Third Year:

1. APM346H1; AST320H1, AST325H1/ AST326Y1; PHY224H1, PHY254H1, PHY354H1, PHY356H1
2. One of MAT224H1, MAT327H1, MAT334H1, MAT363H1, STA257H1

Fourth Year:

1. AST425Y1; PHY350H1, PHY450H1
2. One half course from PHY324H1, PHY357H1, PHY358H1, PHY385H1, PHY407H1, PHY408H1, PHY483H1, JPE395H1
3. One half course from AST430H1, PHY454H1, PHY456H1, PHY460H1, PHY483H1, PHY484H1, PHY495H1
4. HPS200H1/ JPH441H1, or another course with a significant emphasis on Social and Ethical Responsibility approved by the Undergraduate Chair.

Notes:

1. Second-year students who wish to keep open the option of pursuing a physics specialist degree should consider taking PHY254H1 in 2nd year.
2. Third-year students are invited and fourth-year students are expected to attend the weekly departmental colloquia.

Astronomy & Astrophysics Major (Science Program) - ASMAJ1423

Enrolment Requirements:

Astronomy & Astrophysics programs have unlimited enrolment and no specific admission requirements. All students who have completed at least 4.0 courses are eligible to enrol.

Completion Requirements:

This program is appropriate for students interested in a more flexible and diverse undergraduate program. It may be tailored to be a natural counterpart to a second major in Mathematics, Physics or Computer Science; students should consult the undergraduate chairs of Astronomy & Astrophysics and the respective departments for advice on course selection.

(8 full courses or their equivalent, including at least 2 at the 300+ level, and at least 0.5 at the 400 level)

First Year:

(MAT135H1, MAT136H1/ MAT137Y1/ MAT157Y1; (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1))

Second Year:

1. AST221H1, AST222H1; MAT235Y1/ MAT237Y1; PHY252H1
2. One of PHY224H1, PHY250H1, PHY254H1, PHY256H1

Third Year:

AST320H1, AST325H1/ AST326Y1

Third or fourth year:

1. HPS200H1/ JPH441H1, or another course with a significant emphasis on Social and Ethical Responsibility approved by the Undergraduate Chair.
2. At least one of: CSC336H1, CSC456H1; ECE385H1; PHY350H1, PHY354H1, PHY356H1, PHY357H1, PHY358H1, PHY385H1, PHY407H1/ PHY408H1, PHY450H1, JPE395H1
3. Any other APM/AST/CTA/CSC/MAT/PHY/STA at the 300+ level to make up the total of 8 full-course equivalents.

Fourth Year:

AST424H1

Notes:

1. The Astronomy & Astrophysics Major program is not designed primarily for students intending to pursue graduate studies in Astronomy & Astrophysics. Such students should consider the Astronomy & Physics Specialist program, or consult the Undergraduate Chair about their course selections.
2. Students interested in pursuing a research project in fourth year (AST425Y1) should consult the undergraduate chair.
3. Third-year students are invited and fourth-year students are expected to attend the weekly departmental colloquia.

Astronomy & Astrophysics Minor (Science Program) - ASMIN1423

Enrolment Requirements:

Astronomy & Astrophysics programs have unlimited enrolment and no specific admission requirements. All students who have completed at least 4.0 courses are eligible to enrol.

Completion Requirements:

A program designed for students looking to add breadth to a program in another, perhaps unrelated discipline.

(4 full courses or their equivalent)

1. AST221H1, AST222H1, AST320H1, AST325H1/ AST326Y1
2. (PHY131H1, PHY132H1)//(PHY151H1, PHY152H1)
3. PHY252H1 and one of PHY224H1, PHY250H1, PHY254H1, PHY256H1

Notes:

1. PHY131H1, PHY132H1 and PHY151H1, PHY152H1 require (MAT135H1, MAT136H1)/MAT137Y1/ MAT157Y1 and PHY252H1 requires MAT235Y1/ MAT237Y1/ MAT257Y1.
2. Faculty of Applied Science & Engineering equivalents to the physics courses can be substituted. Please consult the Undergraduate Chair.

Astronomy and Astrophysics Courses

AST101H1 - The Sun and Its Neighbours

Hours: 24L/12T

Our place in the Universe. Phenomena we see in the sky. What we know about the Sun, the planets and comets, and the formation of the solar system – and how we know it. What makes planets suitable for life. Finding out about the nearest stars and their planets. This course is intended for students with no science or engineering background.

Exclusion: AST121H1, AST221H1. Also excluded are CIV100H1, CIV101H1, CIV102H1, any 100- or higher-series CHM/PHY courses taken previously or concurrently (with the exception of PHY100H1, PHY101H1, PHY201H1, PHY202H1, PHY205H1, PHY207H1, CHM101H1)

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

AST121H1 - Origin and Evolution of the Universe

Hours: 24L

The origin of the Universe and all that it contains, from the chemical elements, stars and galaxies, and life. The course is intended for students who are enrolling in science and engineering courses.

Prerequisite: SPH4U Physics; MCB4U Calculus

Exclusion: AST101H1, AST201H1, AST210H1. Also excluded are AST221H1, AST222H1 if taken previously or concurrently

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

AST198H1 - Great Astronomical Issues

Hours: 24S

There are some fundamental questions which humankind has asked itself over the centuries. Many of these involve astronomical origins, events, and objects. Astronomers now have the tools with which to attempt to answer some of the most fundamental questions, such as "Where did it all begin, where are we in space and time, are we alone, and who and what are we?" This seminar will explore some of these great issues. The selection of topics will be made initially by the instructor, but will be modified by the seminar participants at the first class meeting. Topics could include: stellar evolution and the future of the Sun, origin of the elements, origin and future of the Universe, origin of the Earth, origin of life, and extinction of the dinosaurs, global warming, the scientific method, astronomy and the public. Participants will be expected to join actively in lively discussions and to prepare and lead some of the seminars. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: AST199H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

AST199H1 - Astronomy at the Frontier

Hours: 24S

This seminar series aims at building up general scientific literacy, by discussing selected topics in current astronomy, cosmology, and space science. We will delve into the physical foundation behind the questions being asked and how the answers are being sought. Students will have an opportunity early in the course to select topics of particular interest to them and this will govern the choice of readings as well. Topics could include: formation of stars; lives and deaths of stars; stellar corpses: white dwarfs, neutron stars, and black holes; planets around other stars; recent results from Hubble and other telescopes; architecture of the solar system; exploration in the solar system; the invisible universe: dark energy and dark matter; first light; formation of galaxies; the age and future of the universe. Participants should be comfortable with basic mathematics and quantitative reasoning. Students will be expected to do independent research for essays, presentations, etc. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: AST198H1; Open only to newly-admitted, Faculty of Arts & Science students (3.5 credits or less);

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

AST210H1 - Great Moments in Astronomy

Hours: 24L

From the Copernican Revolution to twentieth century astrophysics. Emphasis is placed on the process of discovery which has led to major advances in knowledge about the Universe. The course includes an outline of some of the most significant puzzles of our day and an examination of the potential for new revolutions in our knowledge. This course is best suited to science students.

Exclusion: AST101H1, AST121H1, AST201H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

AST221H1 - Stars and Planets

Hours: 36L

The (astro)physics of stars and planets, their observed variety, their structure, formation and evolution. Introduction to telescopes and instrumentation.

Prerequisite: PHY132H1/ PHY152H1; MAT136H1/ MAT137Y1/ MAT157Y1

Exclusion: AST101H1/ AST201H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

AST222H1 - Galaxies and Cosmology

Hours: 36L

The (astro)physics of stellar systems, galaxies, and the Universe, their structure, formation, and evolution.

Prerequisite: AST221H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

AST201H1 - Stars and Galaxies

Hours: 24L/12T

What we know about the properties and life cycles of stars, of galaxies, and of the Universe itself – and how we know it. How astronomers develop methods for understanding phenomena that span such vast ranges in distance and time. This course is intended for students with no science or engineering background.

Exclusion: AST121H1, AST210H1, AST221H1, AST222H1. Also excluded are CIV100H1, CIV101H1, CIV102H1 and any 100- or higher-series CHM or PHY courses taken previously or concurrently (with the exception of PHY100H1, PHY101H1, PHY201H1, PHY202H1, PHY205H1, PHY207H1, CHM101H1)

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

AST251H1 - Life on Other Worlds**Hours:** 24L/12T

Scholarly discussion of the probability that there are planets with life elsewhere in the universe, from the perspective of current ideas concerning the origin and evolution of the universe, the solar system and life. Search techniques and possibilities for interstellar travel and space colonies are discussed.

Exclusion: AST221H1/ AST222H1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**AST320H1 - Introduction to Astrophysics****Hours:** 24L

The formation, equilibrium and evolution of structure on all astronomical scales from the largest to the smallest: universe, clusters of galaxies, galaxies, clusters of stars, gas clouds and stars.

Prerequisite: PHY252H1/ PHY294H1; AST221H1, AST222H1 (or equivalent AST readings; consult the instructor)**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**AST299Y1 - Research Opportunity Program****Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Science**AST301H1 - Observational Astronomy****Hours:** 36P

A hands-on introduction to telescopes and observational astronomy for students with little experience in the physical sciences. Through laboratory exercises and observations of the sky, students will learn the techniques that have enabled the major discoveries of modern astronomy, from the expansion of the universe to the existence of Earth-like planets orbiting other stars. Hands-on activities will teach how telescopes work and how we can measure the distances, motion, and chemical composition of celestial objects. Basic arithmetic is used, but no advanced mathematics. This course is intended for students without a formal science background to gain experience with hands-on observational astronomy.

Prerequisite: AST101H1/ AST201H1/ AST251H1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**AST325H1 - Introduction to Practical Astronomy****Hours:** 39P

Through experiment and observation, develop the core skills to collect, reduce, and interpret astronomical data. Develop understanding and usage of telescopes, instruments, and detectors; reduction and analysis methods; simulations and model fitting; data and error analysis.

Prerequisite: AST221H1, AST222H1 (or equivalent readings; consult the instructor)**Exclusion:** AST326Y1**Recommended Preparation:** basic programming/scripting, numerical techniques (e.g., through CSC108H1/ CSC148H1, CSC260H1).**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**AST326Y1 - Practical Astronomy****Hours:** 78P

Through experiment and observation, develop the core skills to collect, reduce, and interpret astronomical data. Develop understanding and usage of telescopes, instruments, and detectors; reduction and analysis methods; simulations and model fitting; data and error analysis. This course is an expanded version of AST325H1 that gives a wider exposure to practical astronomy.

Prerequisite: AST221H1, AST222H1 (or equivalent readings; consult the instructor)**Exclusion:** AST325H1**Recommended Preparation:** basic programming/scripting, numerical techniques (e.g., through CSC108H1/ CSC148H1, CSC260H1)**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)

AST398H0 - Research Excursions**Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Science**AST398Y0 - Research Excursions****Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Science**AST399Y1 - Research Opportunity Program****Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

AST424H1 - Introduction to Astrophysical Research**Hours:** 24L

A literature study that develops methods and skills applicable to research in the physical sciences, with an emphasis on communication, including writing proposals and reports, and delivering presentations. This course is intended for students in the final year of the Astronomy & Astrophysics Major. Students are required to attend the weekly departmental colloquia and G2000 talks. Not eligible for CR/NCR option.

Prerequisite: AST320H1**Exclusion:** AST425Y1**Recommended Preparation:** AST325H1/ AST326Y1**Distribution Requirements:** Science**AST425Y1 - Research Topic in Astronomy****Hours:** TBA

A research project done in consultation with an individual staff member in the Department leading to a detailed written report and oral presentation. This course is intended for students in the final year of the Astronomy and Physics specialist program. Students must enrol with the Undergraduate Secretary of the Department. Not eligible for CR/NCR option.

Prerequisite: AST320H1 and two of AST325H1/ AST326Y1, PHY324H1, PHY350H1, PHY354H1, PHY356H1, PHY357H1, PHY358H1, PHY407H1/ PHY408H1, PHY450H1, JPE395H1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**AST430H1 - Supervised Study in Astronomy & Astrophysics****Hours:** TBA

An individual study program chosen by the student with the advice of, and under the direction of, a staff member. Not eligible for CR/NCR option.

Prerequisite: Minimum GPA of 3.5 in Astronomy program courses Permission of the Undergraduate Chair and the prospective adviser**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**AST431H1 - Supervised Study in Astronomy & Astrophysics****Hours:** TBA

An individual study program chosen by the student with the advice of, and under the direction of, a staff member. Not eligible for CR/NCR option.

Prerequisite: Minimum GPA of 3.5 in Astronomy program courses Permission of the Undergraduate Chair and the prospective adviser**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)

AST431Y1 - Supervised Study in Astronomy & Astrophysics

Hours: TBA

An individual study program chosen by the student with the advice of, and under the direction of, a staff member. Not eligible for CR/NCR option.

Prerequisite: Minimum GPA of 3.5 in Astronomy program courses

Permission of the Undergraduate Chair and the prospective adviser

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes
(5)

Biochemistry

Faculty List

Leadership

Chair of the Department

J.R. Nodwell, B Sc, Ph D

Associate Chair, Undergraduate Coordinator

A.W. Ensminger, B Sc, Ph D

Associate Chair, Graduate Coordinator

A.F. Palazzo, B Sc, Ph D

Associate Chair, Research

T.F. Moraes, B Sc, M Sc, Ph D

Professors

K.Adeli, B Sc, M Sc, Ph D
 D.W. Andrews, B Sc, Ph D
 L.Attisano, B Sc, Ph D
 C.E. Bear, M Sc, Ph D
 G.W. Brown, B Sc, Ph D
 A.Chakrabarty, B Sc, Ph D
 H.S. Chan, B Sc, Ph D
 A.R. Davidson, B Sc, Ph D
 C.M. Deber, B Sc, Ph D, FRSC
 O.P. Ernst, Dipl-Chem, Dr rer nat
 J. Forman-Kay, B Sc, Ph D
 S. Grinstein, B Sc, Ph D, FRSC
 W. Houry, B Sc, Ph D
 P.L. Howell, B Sc, Ph D
 W. Kahr, MD, Ph D, FRCPC
 A. Kapus, Ph D, MD
 L. Kay, B Sc, Ph D, FRSC, FRS
 F.W. Keeley, B Sc, Ph D
 S.O. Kelley, BA, Ph D
 A. Klip, M Sc, Ph D, FRSC
 C..A. Lingwood, B Sc, Ph D
 A. Muise, B Sc, MD, Ph D
 J.R. Nodwell, B Sc, Ph D
 M. Ohh, Ph D, PDF
 G. Privé, B Sc, Ph D
 S. Prosser, B Sc, M Sc, D Phil
 M.L. Rand, B Sc, Ph D
 R.A.F. Reithmeier, B Sc, Ph D
 J. Rini, B Sc, Ph D
 D. Rotin, B Sc, Ph D
 J. Rubinstein, B Sc, Ph D
 C.J. Schuurmans, B Sc, M Sc, Ph D
 F. Sicheri, B Sc, Ph D, FRSC
 I. Stagljar, B Sc Dipl-Mol Biol, Ph D
 W. Trimble, B Sc, Ph D, FRSC
 C.M. Yip, BA Sc, Ph D
 D.B. Zamble, B Sc, Ph D

Associate Professors

S. Angers, B Sc, Ph D
 C. Enenkel, Dipl-Chem, Dr rer nat
 A.W. Ensminger, B Sc, Ph D
 G.D. Fairn, B Sc, Ph D
 J.R. Glover, B Sc, Ph D
 P.K. Kim, B Sc, Ph D
 A. McQuibban, B Sc, M Sc, Ph D
 J.T. Maynes, B Sc, MD, Ph D
 R.A. Melnyk, B Sc, Ph D

T.F. Moraes, B Sc, M Sc, Ph D
 A.F. Palazzo, B Sc, Ph D
 J. Parkinson, B Sc, Ph D
 R. Pomès, B Eng, Ph D
 R. Scream, B Sc, Ph D
 S. Sharpe, B Sc, Ph D
 C.A. Smibert, B Sc, Ph D
 B. Steipe, MD, Ph D
 A.R. Wilde, B Sc, Ph D

Associate Professors, Teaching Stream

S. Andreopoulos, B Sc, M Sc, Ph D
 A. Khan-Trottier, B Sc, Ph D
 S. Patterson, B Sc, Ph D

Assistant Professors

J. Currie, B Sc, Ph D
 P. Gilbert, B Sc, Ph D
 J-P Julien, B Sc, Ph D
 H. Lee, B Sc, Ph D
 W. Lee, MD, Ph D
 M. Lemaire, MD, Ph D
 K. Maxwell, B Sc, Ph D
 J. Watts, B Sc, Ph D
 H. Wyatt, B Sc, Ph D

Assistant Professor, Teaching Stream

N. Lee, B Sc, M Sc, Ph D

University Professors Emeriti

D.H. MacLennan, BA, M Sc, Ph D, FRSC, O.C.
 M.A. Packham, BA, Ph D, FRSC

Emeriti

R.A. Anwar, M Sc, Ph D
 R.R. Baker, B Sc, Ph D
 A. Bennick, M Sc D, Ph D
 N. Camerman, B Sc, Ph D
 D.M. Clarke, B Sc, Ph D
 J.W. Gurd, BA, Ph D
 T. Hofmann, Dip Chem, D Sc Tech
 C.J. Ingles, B Sc, Ph D
 D.E. Isenman, B Sc, Ph D
 A.O. Jorgensen, Ph D
 V.K. Kalnins, M Sc, Ph D
 H.G. Lawford, B Sc, Ph D
 P.N. Lewis, B Sc, Ph D
 A. Marks, MD, Ph D
 L.A. Moran, B Sc, Ph D
 E.F. Pai, Dipl-Chem, Dr rer nat
 R.H. Painter, B Sc, Ph D (T)
 D.E. Pulleyblank, B Sc, Ph D
 B.H. Robinson, B Sc, Ph D
 H. Schachter, BA, MD, Ph D, FRSC
 J.M. Segall, B Sc, Ph D
 C.H. Siu, BA, Ph D
 D.O. Tinker, B Sc, Ph D
 D.B. Williams, M Sc, Ph D
 G.R. Williams, B Sc, Ph D, D Sc (S), FRSC

Introduction

Biochemistry is the study of the chemistry of living organisms. Biochemists seek a molecular explanation of life by attempting to understand its underlying principles. Biochemistry is concerned with the relevance of a molecule to an organism and the correlations

between its structure and its function. Modern biochemistry grew out of the application of chemical techniques to biological problems and is the foundation of biological science and medicine. In many ways it combines biology and chemistry but the subject now covers such a broad range of activity that it is difficult to draw a neat border around biochemistry. Some of the most exciting areas of current biochemistry research include:

- structural biology
- enzyme mechanisms
- signal transduction and regulation
- biotechnology
- molecular cell biology
- gene expression and development
- metabolic diseases
- proteomics and bioinformatics
- molecular evolution
- protein folding
- membranes and transport

The Biochemistry Specialist Program is academically oriented and designed to provide students with a fundamental understanding of the theoretical and practical aspects of the discipline. The program offers broad training in problem solving specifically using a molecular approach. Biochemistry specialists gain experience in critical thinking and the skills required to evaluate scientific rationale. The Biochemistry Major Program offers students fundamental training in the science and gives each student in the program the chance to combine Biochemistry with another relevant Major Program. This may be within the Life Sciences or Basic Sciences, or may be within the arts. For example, the combination of Biochemistry with Economics or with English could provide students with training relevant to the fields of investment within biotechnology or scientific journalism. Students who excel within the Biochemistry Major Program may be offered the chance to enter the Specialist Program at the third year. Students who complete a B.Sc. in the Specialist Program are well prepared to continue their studies in graduate programs in Biochemistry and other Life Sciences. Graduates from either the Specialist or Major Programs may find employment in research and teaching. Employers include universities and colleges, government laboratories, clinical biochemistry laboratories, forensic laboratories, pharmaceutical companies, biotechnology companies, and many other industries. Skills learned in the Biochemistry Specialist and Major Programs are also helpful in other areas such as marketing, finance, and law. Some biochemistry graduates continue their studies in medicine, dentistry or other health related programs. Regardless of where life takes them, our students benefit from a broad knowledge-based and logical framework that will help them navigate the waters ahead.

Students considering choosing either the BCH Specialist or BCH Major program are encouraged to attend program information sessions held throughout the academic year. Please note that the Specialist program is the clearest path to graduate studies in Biochemistry and to careers in research.

Undergraduate Coordinator and Associate Chair, Dr. A. Ensminger, biochemistry.undergrad@utoronto.ca

Undergraduate Administrator, Jennifer Haughton, jennifer.haughton@utoronto.ca

For courses with enrolment restrictions, please contact Jennifer Haughton, jennifer.haughton@utoronto.ca

Enquiries: Medical Sciences Building, Room 5207 (416-978-2700)

Web site: biochemistry.utoronto.ca

Biochemistry Programs

Biochemistry Specialist (Science Program) - ASSPE1762

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's marks in the 3.0 required first-year courses:

First Year

(BIO120H1, BIO130H1); (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/ CHM151Y1; (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1 with an average of at least 70% in these 3.0 full-course equivalents (FCEs) and a final mark of at least 60% in each course.

While it is difficult to predict what will be competitive course marks and average in a given year, based on previous years, the estimate is: course marks = mid 80s; average = mid 80s.

Achieving these estimated marks does not guarantee admission to the program in any given year.

Note: Students must apply to this program on the Arts & Science Faculty Registrar's Office website (see the [Program Enrolment web site](#) for instructions).

See the departmental web site at www.biochemistry.utoronto.ca for more information.

Completion Requirements:

(14 full courses or their equivalent, including at least five 400-series courses)

First Year: (BIO120H1, BIO130H1); (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/ CHM151Y1; and (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1

First or Second Year: (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

[PHY131H1, PHY132H1 recommended]

Second Year:

BCH242Y1; BIO230H1/ BIO255H1; STA220H1; CHM247H1/CHM249H1; BIO260H1/ HMB265H1*

*Alternatively BIO260H1 may be taken in third year (due to timetable conflicts BIO260H1 may not be taken in 2nd year)

Third Year: BCH340H1; (BCH377H1, BCH378H1); MGY311Y1

Fourth Year:

1. BCH478H1

2. Four half courses from the following list, including at least two BCH courses: BCH422H1/ BCH425H1/ BCH426H1/ BCH428H1/ BCH440H1/ BCH441H1/ BCH444H1/ BCH445H1/ BCH446H1/ BCH448H1/ BCH449H1/ BCH479H1/ BCB420H1/ CHM447H1/ MGY420H1/ MGY425H1/ MGY428H1/ MGY450H1/ MGY470H1

3. BCH372Y1/ BCH374Y1/ BCH472Y1/ BCH473Y1: One full credit from these optional research project courses may be taken for the Specialist program**.

Over the course of the Specialist program, additional credits (to bring the program total to 14 full courses or their equivalent) from the following list: BCH350H1/ BIO220H1/ CHM217H1 (Analytical Chemistry)/ CHM220H1***(Physical Chemistry for Life Sciences)/ CHM223H1 (Physical Chemistry II)/ CSC108H1/ CSC148H1 (Introductory Computer Science, only one CSC course can be chosen)/ MAT235Y1/ MAT237Y1 (Calculus II)/ STA221H1/ any suitable 300-level course from CHM/CSB/EEB/HMB/IMM/LMP/MGY/PCL/PSL (departmental approval required)

** Additional BCH research project courses can be taken as part of the 20 full credits needed for your degree.

*** CHM220H1 is highly recommended for students who are interested in pursuing studies in the physical aspects of biochemistry such as structural biology and molecular biophysics.

Completion Requirements:

8 full courses or their equivalent, including two 400-series half-year courses as noted below.

First Year: (BIO120H1, BIO130H1); (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/ CHM151Y1; (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1

Second Year: BCH210H1; BIO230H1/ BIO255H1; CHM247H1/ CHM249H1

Third Year:

1. BCH311H1

2. BCH370H1

3. 1.5 full-course equivalents from the following list: BIO220H1/ BIO260H1/ CHM217H1/ CHM220H1/ HMB265H1/ BCH340H1/ANY 300-level course(s) in CHM/CSB/EEB/HMB/IMM/LMP/MGY/PCL/PSL (departmental approval required). Note: Field courses may not be used to fulfill the 1.5 FCEs.

Fourth Year: Two of: BCH422H1/ BCH425H1/ BCH426H1/ BCH428H1/ BCH440H1/ BCH441H1/ BCH444H1/ BCH445H1/ BCH446H1/ BCH448H1/ BCH449H1/ CHM447H1

Biochemistry Courses

BCH210H1 - Biochemistry I: Proteins, Lipids and Metabolism

Hours: 36L/24T

Proteins, enzymes, membranes and the metabolism of carbohydrates and lipids. This course is intended for students who are NOT taking BCH242Y1 as part of their program.

Prerequisite: Successful completion of (CHM135H1, CHM136H1)/ CHM151Y1 NOTE: CHM1** with COURSE EXCLUSION TO CHM135H1 AND CHM136H1 meet the Prerequisite requirement for BCH210H1. CHM110H5 & CHM120H5 (UTM) are equivalent to CHM135H1 ONLY. CHMA10H3 & CHMA11H3 (UTSC) are equivalent to CHM135H1 ONLY. CHMB41H3/CHMB42H3 (UTSC) are equivalent to CHM136H1 ONLY. CHM242H5 (UTM) is equivalent to CHM136H1 ONLY. Students with a SDF in CHM135H1/ CHM136H1 are not permitted to enrol in BCH210H1 until a final passing grade (50%) appears on the transcript.

Exclusion: BCH242Y1, [CHM361H5(UTM) and CHM362H5(UTM)], [BIOC12H3(UTSC) and BIOC13H3(UTSC)], CHMB62H3(UTSC)

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

Biochemistry Major (Science Program) - ASMAJ1762

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's marks in the 3.0 required first-year courses:

First Year

(BIO120H1, BIO130H1); (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/ CHM151Y1; (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1 with an average of at least 70% in these 3.0 full-course equivalents (FCEs) and a final mark of at least 60% in each course.

While it is difficult to predict what will be competitive course marks and average in a given year, based on previous years, the estimate is: course marks = high 70s; average = high 70s.

Achieving these estimated marks does not guarantee admission to the program in any given year.

Note: Students must apply to this program on the Arts & Science Faculty Registrar's Office website (see the Program Enrolment web site for instructions).

For more information, refer to the Biochemistry website at: www.biochemistry.utoronto.ca

BCH242Y1 - Introduction to Biochemistry**Hours:** 64L/12T/14P

An introductory course that will serve as the foundation for BCH courses taken in Third and Fourth years by students specializing in biochemistry and related specialist programs. The major topics include protein structure, enzyme mechanisms, cellular and molecular biology, lipid and membrane structure and function, and carbohydrate, lipid, and amino acid metabolism and bioenergetics. Please note that there are five laboratories accompanying this course. **(Lab fees:\$10)**

Prerequisite: (CHM135H1, CHM136H1)/ CHM151Y1**Exclusion:** BCH210H1 and BCH311H1, [CHM361H5(UTM) and CHM362H5(UTM)], [BIOC12H3 (UTSC) and BIOC13H3 (UTSC)], CHMB62H3(UTSC)**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4); The Physical and Mathematical Universes (5)**BCH299Y1 - Research Opportunity Program****Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop> Not eligible for CR/NCR option.

Distribution Requirements: Science**JPM300H1 - Research Readiness and Advancing Biomedical Discoveries****Hours:** 12L/24T

Explore how scientists leverage their knowledge and skills to advance academic biomedical discoveries from the laboratory to improve patient health through either commercialization or not-for-profit approaches. Students will learn about innovation and develop key research and industry skills including intellectual property, ethics, budget and project management; learn how to critically evaluate scientific evidence and effectively communicate to a wide audience. This hybrid student-centered course will include interactive online modules and in-class group work. Course work will focus on developing skills and knowledge to help you be successful in diverse research courses and future careers. Not eligible for CR/NCR.

Prerequisite: 10.0 FCE completed; BCH210H1/ BCH242Y1**Recommended Preparation:** PSL300H1, PSL301H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**BCH311H1 - Biochemistry II: Nucleic Acids and Biological Information Flow****Hours:** 24L/12T

Nucleic acids and flow of information in biological systems.

Information storage and transmission by nucleic acids, as well as new molecular technologies will be discussed. Registration in one of the tutorial sessions is mandatory. Note: Students that have a SDF in BCH210H1 are not permitted to enrol in BCH311H1 until a final passing grade (50%) appears on the transcript. **BCH2** WITH COURSE EXCLUSION TO BCH210H1** meets the prerequisite requirement for BCH311H1.

Prerequisite: BCH210H1/(BIOC12H3 and BIOC13H3 [UTSC])**Exclusion:** MGY311Y1, PSL350H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**BCB330Y1 - Special Project in Bioinformatics and Computational Biology****Hours:** TBA

An opportunity for specialized individual research in bioinformatics and computational biology by arrangement with the course coordinator and a supervisor. Significant background in both life science and computer science courses is required. Not eligible for CR/NCR option.

Prerequisite: Permission of the course coordinator.**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**BCH340H1 - Proteins: from Structure to Proteomics****Hours:** 24L/6T

Proteins are the main functional units in the cell and are part of almost every biochemical process. They catalyze many metabolic reactions and also play central roles in signaling pathways. Some proteins have crucial structural and mechanical functions. In this course, a detailed overview of protein structure, stability, folding, and protein-ligand interactions will be given with strong emphasis on discussing the basic principles in the field. Biophysical, theoretical, and proteomic methods used to study protein stability and folding and protein-ligand interactions will be presented. Protein misfolding diseases will also be discussed. The course will offer a solid basis in protein biochemistry. It is recommended for those interested in pursuing graduate studies or professional degrees in health or medicine.

Prerequisite: BCH210H1/ BCH242Y1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)

BCH350H1 - Antibiotics and Antibiotic Targets

Hours: 24L/12T

This course will cover the action of the biochemical targets of the existing antibiotics (nucleotide-, RNA-, DNA-, protein- and cell wall synthesis, the manner in which these pathways are inhibited in antimicrobial therapy and the biochemical basis of antibiotic resistance. The biochemistry and origin of naturally occurring and synthetic antibiotics will be introduced. (Enrolment limited.)

Prerequisite: BCH242Y1/(BCH210H1, BCH311H1)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BCH374Y1 - Research Project in Biochemistry

Hours: 12T/144P

This course provides an opportunity to perform specialized research in biochemistry under the direct supervision of Biochemistry Department Faculty. Not eligible for CR/NCR option.

Prerequisite: For Specialist: BCH242Y1 (75% or higher); BIO230H1; CHM247H1/ CHM249H1, and approval of the course coordinator. For Major: BCH210H1 (80% or higher); BIO230H1; CHM247H1/ CHM249H1, and approval of the course coordinator.

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BCH370H1 - Laboratory Course in Biochemical Techniques

Hours: 48P

This course is designed to provide hands-on experience at an introductory level, employing a variety of biochemical techniques commonly used in research and clinical diagnostic laboratories. This course is intended for students who are not proceeding further in biochemistry. It is highly recommended that students take this course in their third year as space is limited and priority will go to third-year students. This course will be offered in the FALL & WINTER terms. Attendance in the first week of class is mandatory in order to receive safety information and laboratory protocols. (Enrolment limited.) (**Lab fees: \$50**)

Prerequisite: BCH210H1.

Exclusion: BCH370H1, CHM379H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BCH377H1 - Biochemistry Laboratory I

Hours: 12L/48P

An introduction to fundamental laboratory techniques in modern biochemistry. Experiments illustrate and develop the concepts described in lecture courses and serve as a foundation for more advanced training in biochemistry laboratory courses. Enrollment in this course is generally restricted to students enrolled in the Biochemistry, Immunology, and Molecular Genetics & Microbiology (Genetics Stream) Specialist programs. (Lab fees: \$25)

Prerequisite: BCH242Y1

Exclusion: BCH370H1, CHM379H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BCH372Y1 - Summer Research in Biochemistry

Hours: 144P

Real-world opportunity to apply theoretical knowledge and hone technical skills through full-time research in an active research laboratory for students who have completed second year. Students are responsible for arranging for supervision by a Department of Biochemistry faculty member in advance of the academic year-end. Not eligible for CR/NCR option.

Prerequisite: A final grade of 75% or higher in BCH242Y1 and approval of the course coordinator.

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BCH378H1 - Biochemistry Laboratory II

Hours: 12L/48P

This course builds upon the fundamental laboratory techniques acquired in BCH377H1. Students gain hands-on experience in experimental design and data analysis, exploring numerous modern and classic biochemistry and molecular biology experimental techniques used in research laboratories. Enrollment in this course is generally restricted to students enrolled in the Biochemistry Specialist program.

Prerequisite: BCH377H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BCH399Y1 - Research Opportunity Program**Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

JPM400Y1 - Biomedical Incubator Capstone Project**Hours:** 240P/16S

Discover what it is like to be part of a biomedical innovation team. Develop and engage in biomedical research in a simulated small business/incubator setting under the guidance of a faculty mentor. Bring your proposed JPM300H1 project to life, while acquiring budget management, research, business and communication workplace skills for future careers. Enrolment is application-based. Proposals will be reviewed by committee and successful proposals will be matched to a mentor. Not eligible for CR/NCR option.

Students will form teams and develop a research proposal based on either:

1. Faculty led concept requiring further development and testing, which would not normally be funded grants and would be tangential to ongoing research in the lab.

2. Student developed innovative idea that requires further development and testing. This should be a project that is not being investigated in a UofT research lab.

Prerequisite: A minimum of 75% in JPM300H1; completion of any of PCL367H1/ PCL368H1/ PSL372H1/ BCH370H1/ BCH377H1. Application required; see department for more information.

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BCB420H1 - Computational Systems Biology**Hours:** 24L

Current approaches to using the computer for analyzing and modeling biology as integrated molecular systems. Lectures plus hands-on practical exercises. The course extends and complements an introductory Bioinformatics course, such as BCH441H1.

Prerequisite: BCH441H1/ CSB472H1 or permission of the course coordinator

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

BCH422H1 - Membrane Proteins: Structure, and Function**Hours:** 24L

Structural features of membrane proteins, their biogenesis and methods of analysis. Function of membrane proteins as transporters, channels, pumps and receptors. Molecular aspects of disease processes linked to membrane proteins.

Prerequisite: BCH210H1/ BCH242Y1; BCH311H1/ MGY311Y1/ PSL350H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BCH425H1 - Structural Biology: Principles and Practice**Hours:** 24L

Theory of modern biophysical techniques as applied to the study of the structure and function of macromolecules; emphasis on X-ray crystallography, electron cryomicroscopy, NMR spectroscopy, and other spectroscopic methods.

Prerequisite: BCH210H1/ BCH242Y1. This is a problem-solving course and will require use of skills from introductory physics, math, and/or chemistry courses.

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BCB410H1 - Applied Bioinformatics**Hours:** 24L

Practical introduction to concepts, standards and tools for the implementation of strategies in bioinformatics and computational biology. Student led discussions plus a strong component of hands-on exercises.

Prerequisite: BCH311H1/ MGY311Y1; (CSC324H1/ CSC373H1/ CSC375H1) or permission of the course coordinator

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

BCH426H1 - Regulation of Signalling Pathways

Hours: 24L

This course is focussed on the molecular aspects of signal transduction, covering how cells receive and then transmit signals via intracellular proteins such as kinases and phosphatases and how this ultimately regulates cell function. Specific topics covered may include calcium regulation and signalling by extracellular ligands including morphogens, growth factors and/or insulin.

Prerequisite: BCH210H1/ BCH242Y1; BCH311H1/ MGY311Y1/ PSL350H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BCH428H1 - Genomics of Microbial Communities in Human Health and Beyond

Hours: 24L/12P

There is a growing appreciation that microbes do not operate in isolation but form parts of larger populations and communities (microbiomes) with unique considerations for human health. Combining lectures, small group discussions, and a computer lab component, this course will cover how genomics can be applied to analyze microbial communities and the transformative discoveries that continue to result.

Prerequisite: BCH210H1/ BCH242Y1; BCH311H1/ MGY311Y1/ CSB349H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BCB430Y1 - Advanced Special Project in Bioinformatics and Computational Biology

Hours: TBA

An opportunity for advanced specialized individual research in bioinformatics and computational biology by arrangement with the course coordinator and a supervisor. Significant background in both life science and computer science courses is required. BCB330Y1 is a recommended preparation for this course however students should not normally conduct their project in the same laboratory or continue their previous project. Not eligible for CR/NCR option.

Prerequisite: Permission of the course coordinator

Recommended Preparation: BCB330Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

BCH440H1 - Protein Biosynthesis

Hours: 24L

"The life of proteins: from birth to death". This course is presented as eight themes. 1. Structure, assembly, and evolution of the ribosome. 2. Messenger RNA synthesis, maturation, and localization. 3. Mechanisms and regulation of translation initiation. 4. Fidelity during translation elongation. 5. Translation termination and translation-mediated mRNA decay. 6. Nascent protein folding and molecular chaperones. 7. Protein aging, misfolding and disease. 8. Protein degradation via the ubiquitin proteasome system and autophagy. In addition to the lectures, groups of students will interpret a recent paper related to the lecture material to be formally presented during regular class hours.

Prerequisite: BCH210H1/ BCH242Y1; BCH311H1/ MGY311Y1/ PSL350H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BCH441H1 - Bioinformatics

Hours: 24L/12T

This course is an introduction to computational methods and internet resources in modern biochemistry and molecular biology. The main topics include: sequence and genome databases, sequence alignment and homology search, use and interpretation of molecular structure, and phylogenetic analysis. Assignments focus on hands-on competence building with web-based bioinformatics tools and databases, downloadable software including a molecular viewer and a multiple sequence alignment editor, and the statistics workbench and programming language "R". For syllabus details see: www.biochemistry.utoronto.ca/undergraduates/courses/BCH441H/

Note BCB420H1 extends this syllabus to computational topics of systems biology.

Prerequisite: BCH210H1/ BCH242Y1; BCH311H1/ MGY311Y1/ PSL350H1 or special permission of the course coordinator

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

BCH444H1 - Protein Trafficking in the Secretory & Endocytic Pathways

Hours: 24L

This course examines the molecular details of the secretory and endocytic pathways in the cell. Some of the specific topics covered will include protein translocation into the ER, chaperones and protein folding in the ER, retrotranslocation and protein degradation, the Unfolded Protein Response (UPR), vesicle biogenesis and ER-Golgi transport, regulated secretion, basic concepts in endocytosis and protein sorting in polarized cells. Emphasis is placed on current experimental approaches. A good understanding of basic biochemical methods is an asset.

Prerequisite: BCH210H1/ BCH242Y1; BCH311H1 (75% or higher)/ MGY311Y1 (75% or higher)/ PSL350H1 (75% or higher).

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BCH446H1 - Membrane Dynamics of the Cell Surface

Hours: 24L

This course covers the principles and concepts related to molecular cell biology of the cell surface in multicellular organisms. Topics include: biophysical properties of cells, membranes, and extracellular matrix, dynamic remodelling of the cytoskeleton; cell-cell and cell-matrix interactions; maintenance of planar and apical-basal cell polarity; cytokinesis, viral uptake by macropinocytosis and engulfment by phagocytosis. In addition to lectures, groups of students will interpret a recent scientific paper related to the course material to be formally presented during regular class hours.

Prerequisite: BCH210H1/ BCH242Y1; BCH311H1/ MGY311Y1/ PSL350H1.

Exclusion: CSB331H1, CSB428H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BCH445H1 - Organelles in Cell Function and Death

Hours: 24L

Advanced principles and concepts of cell biology are covered including the structure, biogenesis, and dynamic behavior of cell organelles. The specific contributions to the life and death of the cell are highlighted. Signaling events that integrate cellular communication are discussed. Specifically, the interplay between the Endoplasmic Reticulum, Peroxisomes and Mitochondria is highlighted. Mitochondrial biogenesis and membrane dynamics as they relate to apoptosis and cellular signaling/integration are presented as they relate to human disease. State-of-the-art imaging techniques and the contributions of cell biology to modern day advances in medicine are also presented.

Prerequisite: BCH210H1/ BCH242Y1; BIO230H1/ BIO255H1; BCH311H1/ MGY311Y1/ PSL350H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BCH448H1 - Structure and Function of the Nucleus

Hours: 24L

This course examines the structure and function of the cell nucleus and the genome through the lens of biochemistry, molecular biology, cell biology and evolution. A focus is placed on the major scientific developments that shaped our current understanding. Topics that will be covered are eukaryogenesis, junk DNA, the structure of DNA and chromatin, the transfer of information between genotype and phenotype, the filtering of information found in the genome into biologically relevant molecules such as mRNA, the processing and export of these products from the nucleus into the cytoplasm, and the translation of mRNA into protein. We will also investigate how various organelles, such as the endoplasmic reticulum and mitochondria, played a role in the evolution of the nucleus. Finally we will investigate how biological information is partitioned during mitosis.

Prerequisite: BCH210H1/ BCH242Y1; BCH311H1/ MGY311Y1/ PSL350H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BCH449H1 - Medical Biochemistry**Hours:** 24L/12T

This course will apply core biochemical principles to explain the pathogenesis of emerging diseases at the molecular level and describe advanced biochemical technologies used to understand and treat these illnesses. Students will be exposed to how biochemical principles influence medical diagnoses, therapy and the development of new drugs.

Prerequisite: BCH242Y1/(BCH210H1, BCH311H1), BIO230H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**BCH478H1 - Advanced Biochemistry Laboratory****Hours:** 24L/84P

Experiments extend students' technical abilities as well as their knowledge and application of practical theory. This course is designed as an advanced successor in a progression of biochemistry laboratory experiences in BCH242Y1, BCH377H1 and BCH378H1 that will equip students with a spectrum of practical abilities that are of vital importance in scientific research. (Lab fees: \$25)

Prerequisite: BCH340H1; BCH377H1; BCH378H1/(CHM361H5 [UTM] + CHM362H5 [UTM]) + CHM371H5 [UTM]); MGY311Y1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**BCH472Y1 - Advanced Summer Research Project in Biochemistry****Hours:** 144P

Real-world opportunity to apply theoretical knowledge and hone technical skills through full-time research in an active research laboratory for students who have completed third year. Students are responsible for arranging for supervision by a Department of Biochemistry faculty member in advance of the academic year-end. Not eligible for CR/NCR option.

Prerequisite: A final grade of 75% or higher in each of BCH340H1; BCH377H1; BCH378H1; and approval of the course coordinator.**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**BCH479H1 - Advanced Seminar in Biochemistry****Hours:** 24S

This seminar course will foster close interactions between students and Faculty and encourage in depth discussion not only of results but the ways the results were presented and the rationales for experimental design. Critical thinking skills will be developed, as will presentation skills, as students become presenters of results and take on the role of scientist presenting and analyzing new findings. Writing skills will be developed through an essay assignment. Students within the audience will also have access to the experimental papers and be encouraged to pose thoughtful questions about research and the ways that research can be communicated within the scientific community. Thus the new seminar course will foster an appreciation of scientific writing and give students a venue to develop their communication skills. The goal of the seminar course is to improve both the written and oral scientific communication skills of our Specialist students, as well as to increase their knowledge of key papers in Biochemistry.

Prerequisite: BCH340H1; BCH377H1; BCH378H1; and permission of Department**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**BCH473Y1 - Advanced Research Project in Biochemistry****Hours:** 144P

This course provides opportunities to pursue an original individual research project in a particular area of biochemistry, under the direct supervision of a Biochemistry Department faculty member. Not eligible for CR/NCR option.

Prerequisite: For Specialist: BCH340H1; BCH377H1; BCH378H1; 75% or higher in MGY311Y1; and approval of the course coordinator. For Major: BCH370H1; 80% or higher in BCH311H1; and approval of the course coordinator.**Corequisite:** BCH478H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)

Biology

Introduction

Biology is the scientific study of life. At no time in history has biology been more visible and important to human life and the future of our planet. The study of biology has vast applications: in understanding one's own body, in improving human health and natural resources, in grappling with the ethical questions that face humanity and in understanding the interdependent web of living organisms on the planet. Important discoveries and advances in the biological sciences occur weekly as scientists and their students around the world develop and use new techniques, theories, and approaches.

The University of Toronto has an enormous depth of faculty members on the St. George campus who conduct leading-edge research and teach courses in the biological sciences. Within the Faculty of Arts and Science, St. George campus, there is no single biology department; members of the Departments of Cell & Systems Biology (CSB) and Ecology & Evolutionary Biology (EEB) teach biology courses across the broad spectrum of introductory to advanced topics. Each of these departments offers its own programs and courses, and jointly offer the Biology programs. These co-sponsored Programs of Study include: **Biology** (Specialist, Major, Minor), **Bioinformatics & Computational Biology** (Specialist), and **Genome Biology** (Major). The Biology Minor includes the option of joint sponsorship with the National University of Singapore that incorporates an international study-abroad semester. The program in Genome Biology also includes the Department of Molecular Genetics & Microbiology as a co-sponsor, and the program in Bioinformatics & Computational Biology additionally includes the Departments of Biochemistry and Computer Science as co-sponsors.

Students should consult the Cell & Systems Biology and Ecology & Evolutionary Biology entries in this Calendar about additional courses available in the broad subject areas of bioinformatics, cell and molecular biology, conservation and environmental biology, developmental biology, ecology, evolutionary biology, genetics, physiology, and genome biology. The diverse course offerings in the Biology programs allow students to customize their educational experience to match their personal interests and career aspirations.

High school pre-requisites and First-year requirements

Because many areas of biology draw on mathematics and the physical sciences, background preparation in calculus and chemistry from high school is required for students pursuing some programs in biology and recommended for others.

Students entering their first year in the life sciences take BIO120H1 and BIO130H1. These courses are taken by students who have successfully completed Grade 12 Biology (or an equivalent course); BIO130H1 also requires students to have successfully completed Grade 12 Chemistry (or an equivalent course). These single-semester courses are a prerequisite for almost all further courses in the life sciences. It is possible for students to enrol in BIO220H1 concurrently with BIO130H1.

All co-sponsored Biology programs have unlimited enrolment and no specific admission requirements. All students who have completed at least 4.0 FCE of courses are eligible to enrol (FCE=full-course equivalents, most single-semester courses are 0.5 FCE). Program

completion requires 12.0-12.5 FCE of courses for a Specialist, 8.0 FCE for a Major, or 4.0 FCE for a Minor. To fulfill graduation degree requirements, students must complete either one Specialist, two Majors, or one Major with two Minors. Students may choose a Specialist to focus in-depth on a single subject area or may pair complementing Majors (or Minors) to customize their education and training to encompass the breadth of their interests.

General Biology Programs

Students in the **Biology Specialist** and **Biology Major** programs obtain a foundation in the core areas of cell and molecular biology, ecology and biodiversity, evolutionary biology, physiology and genetics; as well as in calculus, chemistry and statistics (Specialist), or chemistry (Major). These programs are flexible in allowing students many possible course pathways that are compatible with completing program requirements, encouraging students to explore the diversity of their biological interests and to obtain broad training in life sciences. In the upper years, students take advanced courses in specific biological topics, and can also include courses in the biological sciences offered by other units. In their final year, students take at least one full-year or two half-year (Specialist) or one half-year (Major) advanced integrative, inquiry-based course in the biological sciences offered by the departments of Cell & Systems Biology and Ecology & Evolutionary Biology, including seminar, independent research project, and field courses. Students who wish to focus either on plant and microbial biology or on animal biology can take courses within these programs that concentrate in these subject areas. Students in these Biology Programs of Study prepare themselves for diverse life sciences career trajectories that depend on critical thinking and practical hands-on skills, including postgraduate study in biological sciences and medicine. The **Biology Minor** program offers students an introduction to cell and molecular biology, ecology, evolutionary biology, and physiology. The **Biology Minor (joint with NUS)** program is offered jointly with the National University of Singapore: students complete 2.0 FCEs at the University of Toronto and 2.0 FCEs on exchange in Singapore.

The Biology Specialist, Major and Minor programs are administered by the Department of Ecology & Evolutionary Biology, and co-sponsored by the Department of Cell & Systems Biology. Students requiring more information or advising about these programs are encouraged to visit the departmental website <http://www.eeb.utoronto.ca/undergrad.htm> or to contact the EEB Undergraduate Office, Earth Sciences Centre (25 Willcocks St.), Room 3055B, undergrad.eeb@utoronto.ca, 416-978-2084.

Biology Specialist (Science Program) - ASSPE2364

Completion Requirements:

The Biology Specialist, Major, and Minor programs are administered through the Department of Ecology & Evolutionary Biology. Contact: undergrad.eeb@utoronto.ca

(12 FCEs including at least 1.0 FCE at the 400 series)

First Year (3.0 FCEs): BIO120H1; BIO130H1; (CHM135H1, CHM136H1/ CHM151Y1; (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1)

Higher Years:

1. 2.5 FCEs: BIO220H1; BIO230H1/ BIO255H1; BIO251H1; BIO270H1/ PSL300H1; BIO260H1/ HMB265H1

2. 0.5 FCE statistics from: EEB225H1, PSY201H1, STA220H1, STA257H1, GRG270H1, STA288H1

3. 0.5 FCE from chemistry, physics or statistics: CHM220H1, CHM247H1/ CHM249H1; PHY131H1, PHY151H1; PSY202H1; STA221H1, STA255H1, STA261H1

4. 1.5 FCE at the 200+ series from: BCH; BIO; CJH332H1; CSB (excluding CSB200Y1, CSB201H1, CSB202H1); EEB (excluding EEB202H1, EEB208H1, EEB214H1, EEB215H1); EHJ352H1; ENV234H1, ENV334H1; ENV432H1; IMM250H1; JHE353H1, JHE355H1; MGY200H1, MGY277H1; NFS284H1; PSY397H1, PSY497H1

5. 0.5 FCE at 300+ series in **plant or microbial biology** from: CSB340H1, CSB350H1, CSB351Y1, CSB353H1, CSB450H1, CSB452H1, CSB454H1, CSB459H1, CSB460H1, CSB475H1; EEB328H1, EEB330H1, EEB331H1, EEB340H1, EEB403H0, EEB403H1, EEB405H0, EEB405H1, EEB428H1, EEB440H1

6. 0.5 FCE at 300+ series in **animal biology** from: CJH332H1; CSB325H1, CSB327H1, CSB328H1, CSB329H1, CSB330H1, CSB331H1, CSB332H1, CSB343H1, CSB345H1, CSB346H1, CSB348H1, CSB426H1, CSB427H1, CSB428H1, CSB429H1, CSB430H1, CSB431H1, CSB432H1, CSB435H1, CSB445H1, CSB447H1, CSB483H1; EEB322H1, EEB380H1, EEB382H1, EEB384H1, EEB386H1, EEB388H1, EEB390H1, EEB440H1; EHJ352H1

NOTE: BIO270H1 and BIO271H1 are prerequisites for 300+ series CSB courses in physiology.

7. 2.0 FCEs at 300+ series (at least 1.0 FCE must be from Group 1) from:

Group 1: CJH332H1; CSB; EEB; EHJ352H1; ENV334H1,

ENV432H1; JHE353H1, JHE355H1; NUS; PSY397H1, PSY497H1

Group 2: ANA; ANT333Y1, ANT338H1, ANT430H1, ANT436H1;

BCH; HMB; IMM; NFS; MGY; PCL; PSL

8. 1.0 FCE at 400-series from: CSB; EEB

NOTE: Students who wish to focus on either **plant or microbial biology**, or **animal biology** should take courses in 7. and 8. that concentrate in these subject areas as listed in 5. and 6., respectively. BIO271H1/ PSL301H1 is highly recommended for students concentrating in animal biology and is a prerequisite for 300+ series CSB courses in physiology.

Biology Major (Science Program) - ASMAJ2364

Completion Requirements:

The Biology Specialist, Major, and Minor programs are administered through the Department of Ecology & Evolutionary Biology. Contact: undergrad.eeb@utoronto.ca

(8 FCEs including at least 1.5 FCEs at the 300+ series and 0.5 FCE at the 400 series)

First Year (2.0 FCEs): BIO120H1; BIO130H1; (CHM135H1, CHM136H1/ CHM151Y1)

Higher Years:

1. 2.5 FCEs: BIO220H1; BIO230H1/ BIO255H1; BIO251H1; BIO270H1/ PSL300H1; BIO260H1/ HMB265H1

2. 1.5 FCE from: BCH; BIO; CJH332H1; CSB (excluding CSB200Y1, CSB201H1, CSB202H1); EEB (excluding EEB202H1, EEB208H1, EEB214H1, EEB215H1); EHJ352H1; ENV234H1, ENV334H1; IMM250H1; JHE353H1, JHE355H1; MGY200H1, MGY277H1; NFS284H1; PSY397H1, PSY497H1

3. 1.5 FCEs at 300+ series from: ANA; ANT333Y1, ANT338H1, ANT430H1, ANT436H1; BCH; CJH332H1; CSB; EEB; EHJ352H1; ENV334H1, ENV432H1; HMB; IMM; JHE353H1, JHE355H1; MGY; NUS; PCL; PSL; PSY397H1, PSY497H1

4. 0.5 FCE at 400-series from: CSB; EEB; ENV432H1

NOTE: Students who wish to focus on either **plant or microbial biology**, or **animal biology** should take courses in 2., 3., and 4. that concentrate in these subject areas (as listed below).

CSB and EEB courses in **plant or microbial biology**: CSB340H1, CSB350H1, CSB351Y1, CSB353H1, CSB450H1, CSB452H1, CSB454H1, CSB459H1, CSB460H1, CSB475H1; EEB268H1, EEB328H1, EEB330H1, EEB331H1, EEB340H1, EEB405H0, EEB405H1, EEB428H1, EEB440H1

CSB and EEB courses in **animal biology**: BIO271H1/ PSL301H1; CJH332H1; CSB325H1, CSB327H1, CSB328H1, CSB329H1, CSB330H1, CSB331H1, CSB343H1, CSB345H1, CSB346H1, CSB348H1, CSB426H1, CSB427H1, CSB428H1, CSB429H1, CSB430H1, CSB431H1, CSB432H1, CSB435H1, CSB445H1, CSB447H1, CSB483H1; EEB263H1, EEB266H1, EEB267H1, EEB322H1, EEB380H1, EEB382H1, EEB384H1, EEB386H1, EEB388H1, EEB390H1, EEB440H1; EHJ352H1. (BIO271H1/ PSL301H1 is highly recommended for students concentrating in animal biology and is a prerequisite for 300+ series CSB courses in physiology.)

Biology Minor (Jointly Offered With National University Of Singapore) (Science Program) - ASMIN2730

Enrolment Requirements:

This Type 3 minor program represents a unique opportunity to study biology in a different cultural environment. For more information, contact the Centre for International Experience (cie.utoronto.ca).

Completion Requirements:

(4 full courses or their equivalent)

First Year (1.0 FCE): BIO120H1; BIO130H1

Higher Years:

1. 1.0 FCE from: BIO220H1; BIO230H1/ BIO255H1; BIO251H1; BIO270H1/ PSL300H1; BIO271H1/ PSL301H1; BIO260H1/ HMB265H1; ENV234H1

2. 2.0 FCEs: any available 2000+ LSM courses at the National University of Singapore for which you have the appropriate equivalent U of T course prerequisite and for which space is available (note: 1.0 FCE at NUS must be at the 3000 or 4000 level). You enrol through the NUS generic courses at U of T: NUS201H0, NUS301H0, NUS302H0, etc. For a list of LSM courses see: <http://www.lifesciences.nus.edu.sg/lsm.html>. To discuss exclusions and prerequisites contact the EEB Undergraduate Office.

Biology Minor (Science Program) - ASMIN2364

Completion Requirements:

The Biology Specialist, Major, and Minor programs are administered through the Department of Ecology & Evolutionary Biology. Contact: undergrad.eeb@utoronto.ca

4 FCEs

First Year (1.0 FCE): BIO120H1; BIO130H1

Higher Years:

1. 1.0 FCE from: BIO220H1; BIO230H1/ BIO255H1; BIO251H1; BIO270H1/ PSL300H1; BIO271H1/ PSL301H1; BIO260H1/ HMB265H1

2. 2.0 FCEs (1.0 FCE must be at the 300+ series) from: BIO; CJH332H1; CSB (excluding CSB200Y1, CSB201H1, CSB202H1); EEB (excluding EEB202H1, EEB208H1, EEB214H1, EEB215H1); EHJ352H1; ENV234H1, ENV334H1, ENV432H1; HMB265H1; JHE353H1, JHE355H1; MGY200H1, MGY277H1; NUS; PSY397H1, PSY497H1

Biology Programs in Genomics and Informatics

Genomics, the study of the structure, function and evolution of the genome, is among the newest and most rapidly growing fields of both basic and applied science, and nearly all of the more traditional disciplines in biology and medicine are being revolutionized by genomic tools. The growing flood of data on the DNA, RNA, and protein sequences of organisms provides unprecedented opportunities to address fundamental biological questions such as the causes of disease, the genetic basis of development, the nature of gene regulation, the extent and causes of adaptive evolution, and the history of species on planet earth, including humans. Genome biology and bioinformatics are highly interdisciplinary fields, encompassing concepts and practices from such diverse fields as cell and molecular biology, evolutionary genetics, and computer science. The **Bioinformatics & Computational Biology Specialist** program is an interdepartmental, interdisciplinary Program of Study that balances computer-science and life-science courses. Students in the **Genome Biology Major** program will receive a uniquely broad training in these concepts and practices, with a key focus on

conceptual training in molecular biology, bioinformatics and evolutionary genetics, and practical training in both computational and wet-lab genomics research.

Note: The **Bioinformatics & Computational Biology Specialist** program has deregulated fees, which are incurred after enrolment in program. Please refer to [Arts & Science Registration Instructions](#) for more information.

The Bioinformatics & Computational Biology Specialist and Genome Biology Major programs are administered by the Department of Cell & Systems Biology, and are co-sponsored by the Departments of Ecology & Evolutionary Biology and Molecular Genetics & Microbiology. The Bioinformatics & Computational Biology Specialist additionally includes the Departments of Biochemistry and Computer Science as program co-sponsors. Students requiring more information or advising about these programs are encouraged to visit the departmental website, <https://csb.utoronto.ca/>, or contact the CSB Undergraduate Office, Ramsay Wright Building (25 Harbord St.), Room 424, 416-978-3477.

Bioinformatics and Computational Biology Specialist (Science Program) - ASSPE1868

Description:

The genomic and post-genomic era brings opportunities for new insight into all aspects of biology and medicine, based on the computational analysis of very large datasets in a biological context. The Bioinformatics and Computational Biology Program is an interdepartmental, interdisciplinary Program of Study that balances computer-science and life-science courses towards that goal. As a Specialist Program it is designed to prepare students for graduate studies in the field.

The Program is formally administered by the Department of Cell and Systems Biology and co-sponsored by the Departments of Biochemistry, Computer Science, Ecology and Evolutionary Biology, and Molecular Genetics; all sponsoring Departments have clear trajectories to extend the Program into graduate studies in the respective Department.

This program has unlimited enrolment and no specific admission requirements. All students who have completed at least 4.0 courses are eligible to enrol.

However, students are advised that the very rigorous courses that are part of the Program, the very limited overlap in course material between the theory-centric and the biology-centric courses, and the different academic cultures in the life- and computer sciences, make this Program suitable only for the academically strongest and most highly motivated students on campus. As a rule of thumb, students who expect to do well should be able to regularly perform at the top 20% level in their classes.

You should seek advice from both the Program Director and the Department of Computer Science on how to distribute your courses.

Note: this program has deregulated fees, which are incurred after enrolment in the program. Please refer to [Arts & Science Registration Instructions](#) for more information.

For additional information, please refer to <http://biochemistry.utoronto.ca/bcb>

Completion Requirements:

Specialist program:
(12.5 full courses or their equivalent)

First or second year

The following courses are common prerequisites for required courses in the Program.
(5 credits total):

(MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1; (CSC108H1, CSC148H1); (CSC165H1, CSC236H1)/ CSC240H1 (1); CSC263H1/ CSC265H1; (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/ CHM151Y1; BIO130H1/ BIO150Y1.

Upper years:

The following courses are Program requirements (7.5 credits total):

STA247H1/ STA255H1/ STA257H1; CSC207H1; CSC209H1; CSC373H1; BIO230H1/ BIO250Y1/(BIO240H1, BIO241H1)/ BIO255H1/ BIO255Y1; BIO260H1/ HMB265H1; (BCH210H1, (BCH311H1/ MGY311Y1)/ BCH242Y1; BCH441H1/ CSB472H1; BCB330Y1; BCB410H1; BCB420H1; BCB430Y1.

Course substitutions are possible with written permission of the Program Director. Note that the requirements for a co-sponsoring Department's major can normally be fulfilled with 0.5 to 3.5 additional credits. All Major programs in the co-sponsoring life science departments require BIO120H1, however it is not formally a part of this Specialist Program's requirements.

(1) The "missing" half-credit of the substitution does not have to be replaced. For details, please refer to the Computer Science Program instructions in this Calendar.

Genome Biology Major (Science Program) - ASMAJ2655

Completion Requirements:

This program is a joint program of the departments of Cell & Systems Biology, Ecology & Evolutionary Biology, and Molecular Genetics. It is administered through the Department of Cell & Systems Biology.

(8 full courses or their equivalent)

First year: BIO120H1, BIO130H1; (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/ CHM151Y1; (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1

Higher years:

1. BIO220H1, BIO230H1/ BIO255H1; BIO260H1/ HMB265H1; EEB225H1/ STA220H1
2. Genomics fundamentals: BCH311H1/ CSB349H1/ MGY311Y1, CSB352H1; EEB323H1
3. 0.5 FCE laboratory course from: CSB472H1, CSB474H1; EEB460H1
4. 1.0 FCE genomics elective from: CSB330H1, CSB350H1, CSB397Y0, CSB427H1, CSB435H1, CSB450H1, CSB457H1, CSB458H1, CSB471H1, CSB473H1, CSB490H1, CSB491H1, CSB497H1/ CSB498Y1/ CSB499Y1; EEB362H1, EEB455H1, EEB459H1, EEB462H1, EEB497H1/ EEB498Y1/ EEB499Y1;

EHJ352H1; MGY350H1, MGY360H1, MGY428H1, MGY470H1, MGY480Y1

NOTE: Students taking CSB397Y0, CSB490H1, CSB491H1, CSB497H1/ CSB498Y1/ CSB499Y1, EEB497H1/ EEB498Y1/ EEB499Y1 or MGY480Y1 are encouraged to conduct a genomics-related research project.

Discipline-Specific Biology Programs within CSB and EEB:

In addition to the co-sponsored Biology programs, the Departments of Cell & Systems Biology and Ecology & Evolutionary Biology each administer Specialist, Major and Minor programs with particular disciplinary emphases within the biological sciences of the Faculty of Arts and Science, St. George campus. Discipline-specific Major or Minor programs may be paired with each other, with the general Biology Major or Minor programs, or with programs from other departments in accord with the University's degree requirements. Students may seek more information about programs and courses offered by CSB and EEB from their respective Calendar entries:

- Cell & Systems Biology offers the **Animal Physiology** Major and **Cell & Molecular Biology** Major and Specialist programs
- Ecology & Evolutionary Biology offers the **Biodiversity & Conservation Biology** Major, **Ecology & Evolutionary Biology** Major and Specialist, and **Environmental Biology** Major and Minor programs

Other Discipline-Specific Programs in the Life Sciences:

Inside and outside the Faculty of Arts and Science on the St. George campus, several departments administer Specialist, Major and Minor programs with particular disciplinary emphases within life sciences. Many of the Life Science programs are collaborative programs given by the Faculty of Arts and Science and departments in the Faculty of Medicine. Students requiring more information and course details are encouraged to visit the corresponding departmental websites and departmental Calendar entries. These additional Life Science departments and programs are listed in this Calendar:

- Biochemistry
- Human Biology
- Immunology
- Laboratory Medicine & Pathobiology
- Molecular Genetics & Microbiology
- Nutritional Sciences
- Pharmaceutical Chemistry
- Pharmacology & Toxicology
- Physiology
- Psychology

Core Biology Courses

Courses with a BIO designation form core components of the biology curriculum and are taught by instructors from the Departments of Cell & Systems Biology and Ecology & Evolutionary Biology. These core courses include BIO120H1 and BIO130H1 as well as BIO220H1 and BIO230H1 that are required for most life sciences programs at the University of Toronto.

BIO120H1 - Adaptation and Biodiversity

Hours: 24L/15P

Principles and concepts of evolution and ecology related to origins of adaptation and biodiversity. Mechanisms and processes driving biological diversification illustrated from various perspectives using empirical and theoretical approaches. Topics include: genetic diversity, natural selection, speciation, physiological, population, and community ecology, maintenance of species diversity, conservation, species extinction, global environmental change, and invasion biology. A lab coat is required and the cost is approximately \$16 if students wish to purchase it through the Department. (Lab Materials Fee: \$25)

Prerequisite: Grade 12 Biology or equivalent. Students without high school Biology must consult the BIO120 Office (bio120@utoronto.ca)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BIO130H1 - Molecular and Cell Biology

Hours: 36L/15P

One of the goals of modern biology is to understand how the basic building blocks of life give rise to biological form and function. This course provides students with a common lexicon to understand the key principles and concepts in molecular and cell biology, with a focus on how the building blocks of life lead to functioning cells. (Lab Materials Fee: \$10). Lab coat and safety glasses are required for use in laboratories; students are responsible for purchasing these items (approximate cost is \$25).

Prerequisite: SBI4U and SCH4U (Grade 12 University Preparation Biology and Chemistry) or permission of department. Please contact bio130@utoronto.ca for more information.

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BIO220H1 - From Genomes to Ecosystems in a Changing World

Hours: 24L/15P

Dynamics of genetic and ecological change in biological systems, from genomes to ecosystems. Evolutionary genetic and ecological perspectives on wide-ranging topics including disease, aging, sexual conflict, genetics of human differences, conservation, and global climate change. Applications of evolutionary, ecological, and molecular-genetic principles and processes. Responsibilities of human societies in a changing world. (Lab Materials Fee: \$25).

Prerequisite: BIO120H1

Recommended Preparation: BIO130H1, BIO230H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BIO230H1 - From Genes to Organisms

Hours: 36L/15P

The genome is the "book of life," providing instructions to construct an organism. This course introduces genome biology and explores how the building blocks of life are networked into functioning organisms. We will investigate how cells perceive internal and external cues, how gene expression is shaped by this perception, and how these events give rise to tissues, organs, and whole organisms. (Lab Materials Fee: \$20). Lab coat and safety glasses are required for use in laboratories; students are responsible for purchasing these items (approximate cost is \$25).

Prerequisite: BIO130H1, (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/ CHM151Y1

Exclusion: BIO255H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BIO251H1 - Form, Function and Development in Plants

Previous Course Number: BIO251Y1

Hours: 24L/18P

Introduction to structure, function, and ecology of vegetative and reproductive processes in plants with a focus on flowering plants and gymnosperms. Lectures and labs emphasize photosynthesis, respiration, mineral nutrition, transport processes, patterns of plant growth and development, the role of hormones in development, photomorphogenesis, and plant reproduction. (Lab Materials Fee: \$25).

Prerequisite: BIO120H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BIO255H1 - From Genes to Organisms with Advanced Laboratory

Hours: 36L/33P

The genome is the "book of life," providing instructions to construct an organism. This course introduces genome biology and explores how the building blocks of life are networked into functioning organisms. We will investigate how cells perceive internal and external cues, how gene expression is shaped by this perception, and how these events give rise to tissues, organs, and whole organisms. The Enhanced Laboratory provides the opportunity for greater laboratory skill development in modern investigative techniques and is intended for students interested in conducting their own laboratory research. (Lab Materials Fee: \$50). Lab coat and safety glasses are required for use in laboratories; students are responsible for purchasing these items (approximate cost is \$25).

Prerequisite: BIO130H1, (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/ CHM151Y1, cGPA 3.0

Exclusion: BIO230H1

Recommended Preparation: BCH210H1 (taken concurrently or previously)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BIO260H1 - Concepts in Genetics

Hours: 48L/12T

This is a problem based course which discusses classical, molecular, developmental, and population genetics and genomics with emphasis on model organisms for genetic analysis.

Prerequisite: BIO230H1/ BIO255H1

Exclusion: HMB265H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BIO270H1 - Animal Physiology I

Hours: 24L/9P

Animal physiology is a biological sub-discipline that aims to understand, in physical and chemical terms, how animals work. This course uses examples from throughout the animal kingdom, in a comparative approach, to introduce and study homeostasis and the endocrine system. Accompanying laboratories reinforce concepts introduced in lectures and provide opportunities for students to experience firsthand the role that experimentation, data collection, interpretation of data, and communication of data plays in the nature of the scientific process. (Lab Materials Fee: \$10). Lab coat and safety glasses are required for use in laboratories; students are responsible for purchasing these items (approximate cost is \$25).

Prerequisite: BIO130H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BIO271H1 - Animal Physiology II

Hours: 24L/9P

Animal physiology is a biological sub-discipline that aims to understand, in physical and chemical terms, how animals work. This course uses examples from throughout the animal kingdom in a comparative approach to introduce and study the nervous and cardiorespiratory systems. Accompanying laboratories reinforce concepts introduced in lectures and provide opportunities for students to experience firsthand the role that experimentation, data collection, interpretation of data, and communication of data plays in the nature of the scientific process. (Lab Materials Fee: \$10). Lab coat and safety glasses are required for use in laboratories; students are responsible for purchasing these items (approximate cost is \$25).

Prerequisite: BIO270H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

The Departments of Cell & Systems Biology and Ecology & Evolutionary Biology together also offer **over 100 courses in biology** from the 200-level to the 400-level, which contribute to the course requirements and electives for the co-sponsored Biology programs. Topics range from animal behaviour, biodiversity, bioinformatics, cell and molecular biology, conservation and environmental biology, developmental biology, ecology, evolutionary biology, genetics, genome biology, neurobiology, plant biology, and physiology. They include course formats as small-class seminars, bench lab practicals, field excursions, computer labs, and individualized research experiences with research professors. These courses use designations CSB or EEB, as well as some collaborative course codes administered by these departments. Students are encouraged to view the full list of courses from these departments on their respective Calendar entries:

- Cell & Systems Biology
- Ecology & Evolutionary Biology

Biology Exchange Courses with NUS

Courses with a NUS designation correspond to the direct credit exchange codes for courses taken at the National University of Singapore as part of the Biology Minor (joint with NUS).

NUS201H0 - Life Science Course A**Hours:** TBA

A 2000-level Life Sciences (LSM) course offered at the National University of Singapore. For course offerings see:
www.lifesciences.nus.edu.sg/lsm.html Prerequisites and Exclusions:
 see the EEB website
[\(http://www.eeb.utoronto.ca/undergrad/programs.htm\)](http://www.eeb.utoronto.ca/undergrad/programs.htm)

Prerequisite: BIO120H1, BIO130H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**NUS304H0 - Life Science Course E****Hours:** TBA

A 3000-level Life Sciences (LSM) course offered at the National University of Singapore. For course offerings see:
www.lifesciences.nus.edu.sg/lsm.html Prerequisites and Exclusions:
 see the EEB website
[\(http://www.eeb.utoronto.ca/undergrad/programs.htm\)](http://www.eeb.utoronto.ca/undergrad/programs.htm)

Prerequisite: BIO120H1, BIO130H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**NUS301H0 - Life Science Course B****Hours:** TBA

A 3000-level Life Sciences (LSM) course offered at the National University of Singapore. For course offerings see:
www.lifesciences.nus.edu.sg/lsm.html Prerequisites and Exclusions:
 see the EEB website
[\(http://www.eeb.utoronto.ca/undergrad/programs.htm\)](http://www.eeb.utoronto.ca/undergrad/programs.htm)

Prerequisite: BIO120H1, BIO130H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**NUS401H0 - Life Science Course F****Hours:** TBA

A 4000-level Life Sciences (LSM) course offered at the National University of Singapore. For course offerings see:
www.lifesciences.nus.edu.sg/lsm.html Prerequisites and Exclusions:
 see the EEB website
[\(http://www.eeb.utoronto.ca/undergrad/programs.htm\)](http://www.eeb.utoronto.ca/undergrad/programs.htm)

Prerequisite: BIO120H1, BIO130H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**NUS302H0 - Life Science Course C****Hours:** TBA

A 3000-level Life Sciences (LSM) course offered at the National University of Singapore. For course offerings see:
www.lifesciences.nus.edu.sg/lsm.html Prerequisites and Exclusions:
 see the EEB website
[\(http://www.eeb.utoronto.ca/undergrad/programs.htm\)](http://www.eeb.utoronto.ca/undergrad/programs.htm)

Prerequisite: BIO120H1, BIO130H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**NUS402H0 - Life Science Course G****Hours:** TBA

A 4000-level Life Sciences (LSM) course offered at the National University of Singapore. For course offerings see:
www.lifesciences.nus.edu.sg/lsm.html Prerequisites and Exclusions:
 see the EEB website
[\(http://www.eeb.utoronto.ca/undergrad/programs.htm\)](http://www.eeb.utoronto.ca/undergrad/programs.htm)

Prerequisite: BIO120H1, BIO130H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**NUS303H0 - Life Science Course D****Hours:** TBA

A 3000-level Life Sciences (LSM) course offered at the National University of Singapore. For course offerings see:
www.lifesciences.nus.edu.sg/lsm.html Prerequisites and Exclusions:
 see the EEB website
[\(http://www.eeb.utoronto.ca/undergrad/programs.htm\)](http://www.eeb.utoronto.ca/undergrad/programs.htm)

Prerequisite: BIO120H1, BIO130H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)

Canadian Institute for Theoretical Astrophysics

Faculty List Group:
Faculty List

Professor and Director
U-L. Pen, MSc, PhD

Associate Director
H. Pfeiffer, BSc, PhD

University Professor
J.R. Bond, OC, MS, PhD, FRSC, FRS

Professors
N.W. Murray, BSc, PhD
P.G. Martin, MSc, PhD, FRSC
A.C. Thompson, BSc, PhD

Introduction

The Canadian Institute for Theoretical Astrophysics (CITA) is an incorporated national institute hosted by the University of Toronto, conducting research covering all of modern astrophysical theory and analysis during this remarkable age of cosmic discovery. CITA has firmly established itself as one of the top five places in the world for such research; despite its small size CITA has had a large impact on the world-wide astrophysics community. Research at CITA is carried out by about 20 research fellows, 30 graduate students, and a limited number of undergraduate students, all supervised by full-time faculty members.

Where do elements, planets, solar systems, stars, galaxies, the Universe, and life, come from? Questions like these fascinate everyone. Theorists at CITA analyze, interpret, and explain the astronomical observations that illuminate such questions, using laboratory-tested physical laws, or as recently seen, new physical laws that the observations require but which laboratory experiments have not been able, so far, to detect. The observational data are supplied by the recent and ongoing explosion in astronomical hardware, including current observatories like the 10-meter class Keck telescope, ALMA, the Hubble space telescope, x-ray, infrared, and ultra-violet space telescopes, and a host of others.

CITA courses are designed for students interested in doing undergraduate research in theoretical astrophysics, and are appropriate for computer science, engineering science, physical sciences and astronomy program students.

CITA works closely with two related academic units, the Department of Astronomy and Astrophysics (DAA) and the Dunlap Institute for Astronomy and Astrophysics (Dunlap). The DAA is engaged in a broad range of research, with an emphasis on observational astronomy. A main focus of Dunlap is on the design and development of astronomical instrumentation. Undergraduate students will find diverse research opportunities through CITA and these two cognate units.

Undergraduate Enquiries: [\(pen@cita.utoronto.ca\)](mailto:pen@cita.utoronto.ca) (416-978-6477)

Web site: <http://www.cita.utoronto.ca>

Canadian Institute for Theoretical Astrophysics Courses

CTA200H1 - Computational Astrophysics

Hours: 24L/12T

Research in theoretical astrophysics encompasses cosmology, galaxy formation and black holes. This course introduces students to modern computational techniques using large scale parallel numerical simulations, carried out at CITA and SciNet. This is an intensive two-week course taught in May.

Prerequisite: MAT135Y1/ MAT137Y1/ MAT157Y1; (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1) or their equivalent.

Recommended Preparation: Physical science, mathematics and computation, or engineering

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CTA299Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Prerequisite: MAT135Y1/ MAT137Y1/ MAT157Y1; (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1) or their equivalent

Recommended Preparation: Physical science, mathematics and computation, or engineering

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CTA395Y1 - Research Topic

Hours: TBA

Course credit for research under the supervision of a faculty member. Not eligible for CR/NCR option.

Prerequisite: Completed at least 8.5 FCEs and no more than 14.0 FCEs including courses in AST, CTA200H1, or permission

Distribution Requirements: Science

CTA396Y0 - Research Topic Abroad

Hours: TBA

Course credit for research or field studies abroad under the supervision of a faculty member. Not eligible for CR/NCR option.

Prerequisite: At least 8.5 FCEs and no more than 14.0 FCEs including courses in AST, CTA200H1, or permission of the instructor

Recommended Preparation: Physical science, mathematics and computation, or engineering

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes
(5)

CTA399Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

CTA495Y1 - Independent Topics in Astrophysics

Hours: TBA

A research project done in consultation with an individual staff member in the Institute leading to a detailed written report and oral presentation. This course is intended primarily for students in the final year of the Astronomy and Physics specialist program, although it is available to students in Engineering Science, Computer Science, or Mathematics. Students must enroll with the Undergraduate Secretary, Prof. Pen. Not eligible for CR/NCR option.

Prerequisite: 1 FCE from PHY324H1, PHY350H1, PHY354H1, PHY356H1, PHY357H1, PHY358H1, PHY395H1, PHY404H1, PHY408H1, AST325H1/ AST326Y1, or similar courses in Engineering Science or Mathematics.

Recommended Preparation: Physical science, mathematics and computation, or engineering

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes
(5)

Cell and Systems Biology

Faculty List

Professors Emeriti

F.M. Barrett, M Sc, Ph D
 D.G. Butler, M Sc, Ph D, D Sc, FRSA (ZOO)
 J.R. Coleman, B Sc, Ph D (U)
 S.S. Desser, M Sc, Ph D (ZOO)
 M.C. Heath, B Sc, Ph D, FRSC (BOT)
 J.A. Hellebust, MA, Ph D (BOT)
 V.J. Higgins, MS, Ph D (BOT)
 E.W. Larsen, M Sc, Ph D
 R.A. Liversage, AM, Ph D (ZOO)
 Y. Masui, M Sc, Ph D, FRSC (ZOO)
 T.E. Reed, BA, Ph D (ZOO)
 P.A. Romans, M Sc, Ph D
 B.I. Roots, B Sc, Ph D, D Sc, FRSC (ZOO)
 J.J.B. Smith, MA, Ph D (N)
 I. Tallan, B Sc, Ph D (ZOO)
 S.S. Tobe, M SC, Ph D, FRSC (ZOO)
 S.L. Varmuza, MS, Ph D
 J.P. Williams, B Sc, Ph D (BOT)
 A.M. Zimmerman, MS, Ph D (ZOO)

Professor and Chair of the Department

V. Tropepe, B Sc, Ph D

Professors and Associate Chairs

D. Desveaux, M Sc, Ph D
 D.S. Guttman, B Sc, Ph D
 T.J. Harris, B Sc, Ph D

Professors

M.G. AbouHaidar, M Sc, Ph D
 T. Berleth, Diplom, Ph D
 L.T. Buck, B Sc, Ph D
 B. Chang, AB Ph D

D. Christendat, B Sc, Ph D

D.R. Goring, M Sc, Ph D
 D.A. Lovejoy, B Sc, Ph D
 P. McCourt, B Sc, Ph D
 E. Nambara, M Sc, Ph D
 J. Peever, M Sc, Ph D
 N.J. Provart, M Sc, Ph D
 U. Tepass, M Sc, Ph D, FRSC
 R. Winklbauer, Dipl in Bio, Ph D
 M. Woodin, M Sc, Ph D
 K. Yoshioka, MS, Ph D

Associate Professors

A. Bruce, BA, Ph D
 D. Godt, Dipl in Bio, Ph D
 J. Mitchell, B Sc, Ph D
 A. Moses, BA, Ph D
 M.J. Ringuette, B Sc, Ph D
 R. Stephenson, B Sc, Ph D

Assistant Professors

J.A. Calarco, B Sc, Ph D
 J. Currie, BS, Ph D
 S. Lumba, B Sc, Ph D
 H.E. McFarlane, M Sc, Ph D

S.V. Plotnikov, M Sc, Ph D
 A.L. Saltzman, B Sc, Ph D

Associate Professor, Teaching Stream

C. Garside, M Sc, PhD
 M. Neumann, M Sc, Ph D

Introduction

The study of life, biology, has been transformed in recent decades by powerful new ways of asking fundamental questions about how living organisms work. In particular, molecular and microscopy approaches are revealing the incredible complexity of cells. With additional principles drawn from chemistry, physics and information science, we are beginning to understand this complexity and how it transcends multiple scales to organize molecular networks and cellular systems into fully functional organisms.

The Department of Cell and Systems Biology brings together biologists who study life at the level of molecules to functioning individual organisms. Our research laboratories conduct cutting edge research of fundamental processes using a diverse range of model systems (yeast, plants, nematodes, insects, fish, frogs, salamanders, mice, mammalian cell culture and others). Our undergraduate programs reflect this diversity and research strength. Since cells are the basic units of life, it is important to understand how molecular mechanisms control cells and how cells organize the development and physiology of whole organisms. These relationships encompass molecular biology, cell biology, developmental biology, genetics and physiology. These relationships are also complex, requiring studies of dynamic molecular and cellular networks: systems biology. One core component of systems biology is the integration of large datasets arising from the genomics revolution. In addition, computer modeling and bioinformatics are integrated with biochemical, molecular and microscopy studies to understand genomes, transcriptomes, proteomes and metabolomes of the cell and organism.

The Department of Cell and Systems Biology offers two core programs: Animal Physiology (Major) and Cell & Molecular Biology (Major and Specialist). Cell & Molecular Biology Major and Specialist students also have the option of pursuing one Disciplinary Focus in either Molecular Networks of the Cell, Plant Genomics and Biotechnology, or Stem Cells and Developmental Biology.

We also contribute to multi-department programs (Bioinformatics & Computational Biology, Biology, and Genome Biology). We administer Bioinformatics & Computational Biology (Specialist) and Genome Biology (Major).

Student Counseling and Enquiries:

Associate Chair (Undergraduate): Professor T. Harris (416-946-0873).

Contact the Undergraduate Office, Room 424 in the Ramsay Wright Laboratories (416-978-3477; undergrad.csb@utoronto.ca) and consult the departmental web site, www.csb.utoronto.ca.

Cell and Systems Biology Programs

Bioinformatics and Computational Biology Specialist (Science Program) - ASSPE1868

Description:

The genomic and post-genomic era brings opportunities for new insight into all aspects of biology and medicine, based on the computational analysis of very large datasets in a biological context. The Bioinformatics and Computational Biology Program is an interdepartmental, interdisciplinary Program of Study that balances computer-science and life-science courses towards that goal. As a Specialist Program it is designed to prepare students for graduate studies in the field.

The Program is formally administered by the Department of Cell and Systems Biology and co-sponsored by the Departments of Biochemistry, Computer Science, Ecology and Evolutionary Biology, and Molecular Genetics; all sponsoring Departments have clear trajectories to extend the Program into graduate studies in the respective Department.

This program has unlimited enrolment and no specific admission requirements. All students who have completed at least 4.0 courses are eligible to enrol.

However, students are advised that the very rigorous courses that are part of the Program, the very limited overlap in course material between the theory-centric and the biology-centric courses, and the different academic cultures in the life- and computer sciences, make this Program suitable only for the academically strongest and most highly motivated students on campus. As a rule of thumb, students who expect to do well should be able to regularly perform at the top 20% level in their classes.

You should seek advice from both the Program Director and the Department of Computer Science on how to distribute your courses.

Note: this program has deregulated fees, which are incurred after enrolment in the program. Please refer to Arts & Science Registration Instructions for more information.

For additional information, please refer to
<http://biochemistry.utoronto.ca/bcb>

Completion Requirements:

Specialist program:
 (12.5 full courses or their equivalent)

First or second year

The following courses are common prerequisites for required courses in the Program.
 (5 credits total):

(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1; (CSC108H1, CSC148H1); (CSC165H1, CSC236H1)/CSC240H1 (1); CSC263H1/CSC265H1; (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1; BIO130H1/BIO150Y1.

Upper years:

The following courses are Program requirements (7.5 credits total):

STA247H1/STA255H1/STA257H1; CSC207H1; CSC209H1; CSC373H1; BIO230H1/BIO250Y1/(BIO240H1, BIO241H1)/BIO255H1/BIO255Y1; BIO260H1/HMB265H1; (BCH210H1, (BCH311H1/MGY311Y1))/BCH242Y1; BCH441H1/CSB472H1; BCB330Y1; BCB410H1; BCB420H1; BCB430Y1.

Course substitutions are possible with written permission of the Program Director. Note that the requirements for a co-sponsoring Department's major can normally be fulfilled with 0.5 to 3.5 additional credits. All Major programs in the co-sponsoring life science departments require BIO120H1, however it is not formally a part of this Specialist Program's requirements.

(1) The "missing" half-credit of the substitution does not have to be replaced. For details, please refer to the Computer Science Program instructions in this Calendar.

Cell & Molecular Biology Specialist (Science Program) - ASSPE1003

Description:

Students learn how genes and proteins organize cells for cellular activities, multicellular development, and cellular interactions with the environment. Students also learn how cell and molecular biology research is conducted, and receive training in advanced techniques of the field. Cell and molecular biology research is one the most demanding fields in science. Students gain an understanding of the field, and leave the program equipped to tackle fundamental scientific questions.

After foundational courses in first and second year, students participate in advanced lecture, seminar and laboratory courses, and are encouraged to apply for research project courses in the laboratories of the Department. Course offerings include gene expression, cell biology, developmental biology, plant development, plant-microbe interactions, plant signaling, neurogenesis, tissue morphogenesis, stem cell biology, genomics and proteomics.

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a limited number of students. Admission will be determined with a minimum grade of 70% in BIO130H1. If the student does not achieve 70% in BIO130H1, admission can be determined with a minimum grade of 70% in BIO230H1. Achieving these marks does not necessarily guarantee admission to the program in any given year. Enrolment also requires the completion of four courses, including BIO120H1, BIO130H1; (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1; JMB170Y1/(MAT135H1, MAT136H1)/MAT137Y1/ MAT157Y1.

Completion Requirements:

(12.5 full courses or their equivalent, including at least one 400-series course)

First Year:

BIO120H1, BIO130H1; (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1; JMB170Y1/(MAT135H1, MAT136H1)/

MAT137Y1/ MAT157Y1.

Higher Years:

1. (PHY131H1, PHY132H1) / (PHY151H1, PHY152H1)
2. (BIO220H1, BIO230H1 / BIO255H1), (BIO270H1, BIO271H1), BIO260H1 / HMB265H1; BCH210H1
3. CSB330H1 / CSB350H1 / CSB352H1, CSB349H1
4. 1.0 FCE from: CJH332H1, CSB327H1, CSB328H1, CSB329H1, CSB331H1, CSB340H1, CSB353H1
5. 1.0 FCE from: BCH422H1, BCH426H1, BCH444H1, BCH445H1, CSB427H1, CSB428H1, CSB429H1, CSB430H1, CSB431H1, CSB435H1, CSB450H1, CSB452H1, CSB454H1, CSB457H1, CSB458H1, CSB459H1, CSB460H1, CSB471H1, CSB472H1, CSB473H1, CSB474H1, CSB475H1, CSB483H1
6. 2.5 FCEs from: BCH422H1, BCH426H1, BCH440H1, BCH441H1, BCH444H1, BCH445H1, CJH332H1, CSB299Y1, CSB327H1, CSB328H1, CSB329H1, CSB330H1, CSB331H1, CSB340H1, CSB350H1, CSB351Y1, CSB352H1, CSB353H1, CSB397Y0, CSB399Y1, CSB427H1, CSB428H1, CSB429H1, CSB430H1, CSB431H1, CSB435H1, CSB447H1, CSB450H1, CSB452H1, CSB454H1, CSB457H1, CSB458H1, CSB459H1, CSB460H1, CSB471H1, CSB472H1, CSB473H1, CSB474H1, CSB475H1, CSB483H1, CSB490H1, CSB491H1, CSB492H1, CSB497H1, CSB498Y1, CSB499Y1, HMB496Y1 / HMB499Y1, MGY480Y1

NOTE: No more than 0.5 FCE in BCH can be used towards requirements 5. and 6.

The Cell & Molecular Biology Specialist Program has the additional option of a Disciplinary Focus.

Cell & Molecular Biology Specialist: Focus in Molecular Networks of the Cell - ASSPE1003A

Description:

Starting in 2nd year, this focus organizes a restricted number of high-achieving Cell and Molecular Biology Specialist students with an interest in Molecular Networks of the Cell. Focus students are required to complete a subset of related program courses and to participate in a learning community for the focus.

Enrolment Requirements:

Once you have been approved for and have enrolled in the Cell and Molecular Biology Specialist program, you have the option to apply for entry into a focus. The focuses have a limited enrolment and can only accommodate a restricted number of students with a particular interest in the topic of the focus. **Students can only apply for one focus.** Admission will be determined with a minimum grade of 80% in BIO130H1. If the student does not achieve 80% in BIO130H1, admission can be determined with a minimum grade of 80% in BIO230H1 or CSB349H1. In addition, students must submit a 300-word statement of interest regarding the topic of the focus.

Statement submission instructions are at <http://csb.utoronto.ca/undergraduate-studies/undergraduate-programs/>. Achieving these requirements does not necessarily guarantee admission to the focus in any given year.

Students in a focus complete the requirements of First Year, the requirements 1.-3. of Higher Years, as well as requirements 4.-7 specific to each focus.

Each year students are enrolled in a focus, they must also be an active participant in the faculty-led learning community for their focus (requirement 7.). The learning community appears as a non-credit

course recognized on the co-curricular record. Students who fail to contribute to the faculty-led learning community will be removed from the focus.

Completion Requirements:

This Focus is part of the Cell and Molecular Biology Specialist and begins with the requirements of First Year and of lines 1-3 of Higher Years of the Cell and Molecular Biology Specialist Program.

4. 1.0 FCE from: CJH332H1, CSB327H1, CSB331H1, CSB353H1
5. 1.0 FCE from: CSB427H1, CSB428H1, CSB429H1, CSB435H1, CSB454H1, CSB457H1, CSB458H1, CSB459H1, CSB460H1, CSB475H1
6. 2.5 FCEs from: BCH422H1, BCH426H1, BCH440H1, BCH441H1, BCH444H1, BCH445H1, CJH332H1, CSB299Y1, CSB327H1, CSB328H1, CSB329H1, CSB330H1, CSB331H1, CSB340H1, CSB350H1, CSB351Y1, CSB352H1, CSB353H1, CSB397Y0, CSB399Y1, CSB427H1, CSB428H1, CSB429H1, CSB430H1, CSB431H1, CSB435H1, CSB447H1, CSB450H1, CSB452H1, CSB454H1, CSB457H1, CSB458H1, CSB459H1, CSB460H1, CSB472H1, CSB473H1, CSB474H1, CSB475H1, CSB483H1, CSB490H1, CSB491H1, CSB492H1, CSB497H1, CSB498Y1, CSB499Y1. No more than 0.5 FCE in BCH can be used towards this requirement.

7. Molecular Network Learning Community (each year of focus enrolment)

Cell & Molecular Biology Specialist: Focus in Plant Genomics and Biotechnology - ASSPE1003B

Description:

Starting in 2nd year, this focus organizes a restricted number of high-achieving Cell and Molecular Biology Specialist students with an interest in Plant Genomics and Biotechnology. Focus students are required to complete a subset of related program courses and to participate in a learning community for the focus.

Enrolment Requirements:

Once you have been approved for and have enrolled in the Cell and Molecular Biology Specialist program, you have the option to apply for entry into a focus. The focuses have a limited enrolment and can only accommodate a restricted number of students with a particular interest in the topic of the focus. **Students can only apply for one focus.** Admission will be determined with a minimum grade of 80% in BIO130H1. If the student does not achieve 80% in BIO130H1, admission can be determined with a minimum grade of 80% in BIO230H1 or CSB349H1. In addition, students must submit a 300-word statement of interest regarding the topic of the focus.

Statement submission instructions are at <http://csb.utoronto.ca/undergraduate-studies/undergraduate-programs/>. Achieving these requirements does not necessarily guarantee admission to the focus in any given year.

Students in a focus complete the requirements of First Year, the requirements 1.-3. of Higher Years, as well as requirements 4.-7 specific to each focus.

Each year students are enrolled in a focus, they must also be an active participant in the faculty-led learning community for their focus (requirement 7.). The learning community appears as a non-credit

course recognized on the co-curricular record. Students who fail to contribute to the faculty-led learning community will be removed from the focus.

Completion Requirements:

This Focus is part of the Cell and Molecular Biology Specialist and begins with the requirements of First Year and of lines 1-3 of Higher Years of the Cell and Molecular Biology Specialist Program.

4. 1.0 FCE from: CSB340H1, CSB350H1/ CSB352H1, CSB353H1
5. 1.0 FCE from: CSB435H1, CSB450H1, CSB452H1, CSB454H1, CSB459H1, CSB460H1, CSB471H1, CSB472H1, CSB473H1, CSB474H1, CSB475H1
6. 2.5 FCEs from: BCH422H1, BCH426H1, BCH440H1, BCH441H1, BCH444H1, BCH445H1, CSB299Y1, CSB328H1, CSB329H1, CSB330H1, CSB331H1, CSB340H1, CSB350H1, CSB352H1, CSB397Y0, CSB399Y1, CSB427H1, CSB428H1, CSB429H1, CSB430H1, CSB431H1, CSB435H1, CSB450H1, CSB458H1, CSB460H1, CSB472H1, CSB473H1, CSB474H1, CSB483H1, CSB490H1, CSB491H1, CSB492H1, CSB497H1, CSB498Y1, CSB499Y1. No more than 0.5 FCE in BCH can be used towards this requirement.
7. Plant Biotech Learning Community (each year of focus enrolment)

Cell & Molecular Biology Specialist: Focus in Stem Cells and Developmental Biology - ASSPE1003C

Description:

Starting in 2nd year, this focus organizes a restricted number of high-achieving Cell and Molecular Biology Specialist students with an interest in Molecular Networks of the Cell. Focus students are required to complete a subset of related program courses and to participate in a learning community for the focus.

Enrolment Requirements:

Once you have been approved for and have enrolled in the Cell and Molecular Biology Specialist program, you have the option to apply for entry into a focus. The focuses have a limited enrolment and can only accommodate a restricted number of students with a particular interest in the topic of the focus. **Students can only apply for one focus.** Admission will be determined with a minimum grade of 80% in BIO130H1. If the student does not achieve 80% in BIO130H1, admission can be determined with a minimum grade of 80% in BIO230H1 or CSB349H1. In addition, students must submit a 300-word statement of interest regarding the topic of the focus.

Statement submission instructions are at <http://csb.utoronto.ca/undergraduate-studies/undergraduate-programs/>. Achieving these requirements does not necessarily guarantee admission to the focus in any given year.

Students in a focus complete the requirements of First Year, the requirements 1.-3. of Higher Years, as well as requirements 4.-7 specific to each focus.

Each year students are enrolled in a focus, they must also be an active participant in the faculty-led learning community for their focus (requirement 7.). The learning community appears as a non-credit course recognized on the co-curricular record. Students who fail to contribute to the faculty-led learning community will be removed from the focus.

Completion Requirements:

This Focus is part of the Cell and Molecular Biology Specialist and begins with the requirements of First Year and of lines 1-3 of Higher Years of the Cell and Molecular Biology Specialist Program.

4. 1.0 FCE from: CSB328H1, CSB329H1, CSB340H1
5. 1.0 FCE from: CSB427H1, CSB429H1, CSB430H1, CSB431H1, CSB483H1
6. 2.5 FCEs from: BCH422H1, BCH426H1, BCH440H1, BCH441H1, BCH444H1, BCH445H1, CSB299Y1, CSB327H1, CSB328H1, CSB329H1, CSB330H1, CSB331H1, CSB340H1, CSB350H1, CSB352H1, CSB397Y0, CSB399Y1, CSB427H1, CSB428H1, CSB429H1, CSB430H1, CSB431H1, CSB435H1, CSB450H1, CSB458H1, CSB460H1, CSB472H1, CSB473H1, CSB474H1, CSB483H1, CSB490H1, CSB491H1, CSB492H1, CSB497H1, CSB498Y1, CSB499Y1. No more than 0.5 FCE in BCH can be used towards this requirement.
7. Multicellularity Learning Community (each year of focus enrolment)

Animal Physiology Major (Science Program) - ASMAJ1538

Description:

Students learn to compare and contrast the physiological systems of different animal species, or of a single species under different environmental conditions. This experimental science strives to understand how physiological systems allow animals to adapt to their individual and ever-changing environments. Through a systems-level approach, from molecules to organisms, students gain an understanding of how emergent properties arise when physiological components operate as a whole.

After foundational courses in first and second year, students participate in advanced lecture, seminar and laboratory courses, and are encouraged to apply for research project courses in the laboratories of the Department. Course offerings include neurophysiology, respiratory physiology, endocrinology, sleep physiology and comparative cellular physiology.

Completion Requirements:

(8 full courses or their equivalent)

First Year: BIO120H1, BIO130H1; (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1; JMB170Y1; (MAT135H1, MAT136H1)/MAT137Y1/ MAT157Y1/(PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Higher Years:

1. (BIO220H1, BIO230H1/ BIO255H1)
2. BIO270H1, BIO271H1
3. CSB325H1
4. 0.5 FCE from: CJH332H1/ CSB332H1, CSB343H1, CSB346H1, CSB348H1, CSB352H1, CSB397Y0; CSB399Y1; EEB263H1; PSY397H1; STA220H1
5. 1.5 FCEs (at least 0.5 FCE must be at the 300+level) from: BCH210H1; BIO260H1/ HMB265H1; CJH332H1; CSB299Y1, CSB327H1, CSB329H1, CSB330H1, CSB331H1, CSB332H1, CSB343H1, CSB345H1, CSB346H1, CSB348H1, CSB352H1, CSB397Y0; CSB399Y1; EEB263H1; PSY397H1; STA220H1
6. 0.5 FCE at the 400-level from CSB426H1, CSB432H1, CSB443H1, CSB445H1, CSB447H1, CSB492H1, CSB497H1, CSB498Y1, CSB499Y1; HMB430H1, HMB472H1, HMB496Y1, HMB499Y1; PSL432H1, PSL452H1

Cell & Molecular Biology Major (Science Program) - ASMAJ1003

Description:

Students learn how genes and proteins organize cells for cellular activities, multicellular development, and cellular interactions with the environment. Students also learn how cell and molecular biology research is conducted, and receive training in advanced techniques of the field. Cell and molecular biology research is one the most demanding fields in science. Students gain an understanding of the field, and leave the program equipped to tackle fundamental scientific questions.

After foundational courses in first and second year, students participate in advanced lecture, seminar and laboratory courses, and are encouraged to apply for research project courses in the laboratories of the Department. Course offerings include gene expression, cell biology, developmental biology, plant development, plant-microbe interactions, plant signaling, neurogenesis, tissue morphogenesis, stem cell biology, genomics and proteomics.

Completion Requirements:

(8 full courses or their equivalent)

First Year:

1. BIO120H1, BIO130H1; (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/ CHM151Y1;
2. 1.0 credit from JMB170Y1/ MAT135H1/ MAT136H1/ MAT137Y1/ MAT157Y1/ PHY131H1/ PHY132H1/ PHY151H1/ PHY152H1

Higher Years:

1. (BIO220H1, BIO230H1/ BIO255H1)
2. BIO260H1/ HMB265H1; BCH210H1
3. CSB349H1
4. 1.0 FCE from: CSB327H1, CSB328H1, CSB329H1, CSB331H1, CSB340H1, CSB353H1
5. 1.5 FCEs (at least 0.5 FCE at the 400-level) from: BCH422H1, BCH426H1, BCH440H1, BCH441H1, BCH444H1, BCH445H1, CJH332H1, CSB299Y1, CSB327H1, CSB328H1, CSB329H1, CSB330H1, CSB331H1, CSB340H1, CSB350H1, CSB351Y1, CSB352H1, CSB353H1, CSB397Y0, CSB399Y1, CSB427H1, CSB428H1, CSB429H1, CSB430H1, CSB431H1, CSB435H1, CSB447H1, CSB450H1, CSB452H1, CSB454H1, CSB457H1, CSB458H1, CSB459H1, CSB460H1, CSB471H1, CSB472H1, CSB473H1, CSB474H1, CSB475H1, CSB483H1, CSB490H1, CSB491H1, CSB492H1, CSB497H1, CSB498Y1, CSB499Y1, HMB496Y1/ HMB499Y1, MGY480Y1. No more than 0.5 FCE in BCH can be used towards this requirement.

The Cell & Molecular Biology Major Program has the additional option of a Disciplinary Focus.

Cell & Molecular Biology Major: Focus in Molecular Networks of the Cell - ASMAJ1003A

Description:

Starting in 2nd year, this focus organizes a restricted number of high-achieving Cell and Molecular Biology Major students with an interest in Molecular Networks of the Cell. Focus students are required to complete a subset of related program courses and to participate in a learning community for the focus.

Enrolment Requirements:

Once you have enrolled in the Cell and Molecular Biology Major program, you have the option to apply for entry into a focus. The focuses have a limited enrolment and can only accommodate a restricted number of students with a particular interest in the topic of the focus. **Students can only apply for one focus.** Admission will be determined with a minimum grade of 80% in BIO130H1. If the student does not achieve 80% in BIO130H1, admission can be determined with a minimum grade of 80% in BIO230H1 or CSB349H1. In addition, students must submit a 300-word statement of interest regarding the topic of the focus. Statement submission instructions are at <http://csb.utoronto.ca/undergraduate-studies/undergraduate-programs/>. Achieving these requirements does not necessarily guarantee admission to the focus in any given year.

Students in a focus complete the requirements of First Year, the requirements 1.-3. of Higher Years, as well as requirements 4.-7. specific to each focus.

Each year students are enrolled in a focus, they must also be an active participant in the faculty-led learning community for their focus (requirement 7.). The learning community appears as a non-credit course recognized on the co-curricular record. Students who fail to contribute to the faculty-led learning community will be removed from the focus.

Completion Requirements:

This Focus is part of the Cell and Molecular Biology Major and begins with the requirements of First Year and of lines 1-3 of Higher Years of the Cell and Molecular Biology Major Program.

4. 1.0 FCE from: CJH332H1, CSB327H1, CSB331H1, CSB353H1
5. 0.5 FCE from: CSB427H1, CSB428H1, CSB429H1, CSB435H1, CSB454H1, CSB457H1, CSB458H1, CSB459H1, CSB460H1, CSB475H1
6. 1.0 FCE from: BCH422H1, BCH426H1, BCH444H1, BCH445H1, CJH332H1, CSB299Y1, CSB327H1, CSB330H1, CSB331H1, CSB353H1, CSB397Y0, CSB399Y1, CSB427H1, CSB428H1, CSB429H1, CSB435H1, CSB450H1, CSB452H1, CSB454H1, CSB457H1, CSB458H1, CSB459H1, CSB460H1, CSB475H1, CSB490H1, CSB491H1, CSB492H1, CSB497H1, CSB498Y1, CSB499Y1, HMB496Y1/ HMB499Y1. No more than 0.5 FCE in BCH can be used towards this requirement.
7. Molecular Network Learning Community (each year of focus enrolment)

Cell & Molecular Biology Major: Focus in Plant Genomics and Biotechnology - ASMAJ1003B

Description:

Starting in 2nd year, this focus organizes a restricted number of high-achieving Cell and Molecular Biology Major students with an interest in Plant Genomics and Biotechnology. Focus students are required to complete a subset of related program courses and to participate in a learning community for the focus.

Enrolment Requirements:

Once you have enrolled in the Cell and Molecular Biology Major program, you have the option to apply for entry into a focus. The focuses have a limited enrolment and can only accommodate a restricted number of students with a particular interest in the topic of the focus. **Students can only apply for one focus.** Admission will be determined with a minimum grade of 80% in BIO130H1. If the student does not achieve 80% in BIO130H1, admission can be determined with a minimum grade of 80% in BIO230H1 or CSB349H1. In addition, students must submit a 300-word statement of interest regarding the topic of the focus. Statement submission instructions are at <http://csb.utoronto.ca/undergraduate-studies/undergraduate-programs/>. Achieving these requirements does not necessarily guarantee admission to the focus in any given year.

Students in a focus complete the requirements of First Year, the requirements 1.-3. of Higher Years, as well as requirements 4.-7 specific to each focus.

Each year students are enrolled in a focus, they must also be an active participant in the faculty-led learning community for their focus (requirement 7.). The learning community appears as a non-credit course recognized on the co-curricular record. Students who fail to contribute to the faculty-led learning community will be removed from the focus.

Completion Requirements:

This Focus is part of the Cell and Molecular Biology Major and begins with the requirements of First Year and of lines 1-3 of Higher Years of the Cell and Molecular Biology Major Program.

4. 1.0 FCE from: CSB340H1, CSB350H1/ CSB352H1, CSB353H1
5. 0.5 FCE from: CSB435H1, CSB450H1, CSB452H1, CSB454H1, CSB459H1, CSB460H1, CSB471H1, CSB472H1, CSB473H1, CSB474H1, CSB475H1
6. 1.0 FCE from: CSB299Y1, CSB330H1, CSB340H1, CSB350H1, CSB351Y1, CSB352H1, CSB353H1, CSB397Y0, CSB399Y1, CSB435H1, CSB450H1, CSB452H1, CSB454H1, CSB459H1, CSB460H1, CSB471H1, CSB472H1, CSB473H1, CSB474H1, CSB475H1, CSB490H1, CSB491H1, CSB497H1, CSB498Y1, CSB499Y1.
7. Plant Biotech Learning Community (each year of focus enrolment)

Cell & Molecular Biology Major: Focus in Stem Cells and Developmental Biology - ASMAJ1003C

Description:

Starting in 2nd year, this focus organizes a restricted number of high-achieving Cell and Molecular Biology Major students with an interest in Stem Cells and Developmental Biology. Focus students are required to complete a subset of related program courses and to participate in a learning community for the focus.

Enrolment Requirements:

Once you have enrolled in the Cell and Molecular Biology Major program, you have the option to apply for entry into a focus. The focuses have a limited enrolment and can only accommodate a restricted number of students with a particular interest in the topic of the focus. **Students can only apply for one focus.** Admission will be determined with a minimum grade of 80% in BIO130H1. If the student does not achieve 80% in BIO130H1, admission can be determined with a minimum grade of 80% in BIO230H1 or CSB349H1. In addition, students must submit a 300-word statement of interest regarding the topic of the focus. Statement submission instructions are at <http://csb.utoronto.ca/undergraduate-studies/undergraduate-programs/>. Achieving these requirements does not necessarily guarantee admission to the focus in any given year.

Students in a focus complete the requirements of First Year, the requirements 1.-3. of Higher Years, as well as requirements 4.-7 specific to each focus.

Each year students are enrolled in a focus, they must also be an active participant in the faculty-led learning community for their focus (requirement 7.). The learning community appears as a non-credit course recognized on the co-curricular record. Students who fail to contribute to the faculty-led learning community will be removed from the focus.

Completion Requirements:

This Focus is part of the Cell and Molecular Biology Major and begins with the requirements of First Year and of lines 1-3 of Higher Years of the Cell and Molecular Biology Major Program.

4. 1.0 FCE from: CSB328H1, CSB329H1, CSB340H1
5. 0.5 FCE from: CSB427H1, CSB429H1, CSB430H1, CSB431H1, CSB483H1
6. 1.0 FCE from: CSB299Y1, CSB328H1, CSB329H1, CSB340H1, CSB397Y0, CSB399Y1, CSB427H1, CSB429H1, CSB430H1, CSB431H1, CSB483H1, CSB497H1, CSB498Y1, CSB499Y1.
7. Multicellularity Learning Community (each year of focus enrolment)

Genome Biology Major (Science Program) - ASMAJ2655

Completion Requirements:

This program is a joint program of the departments of Cell & Systems Biology, Ecology & Evolutionary Biology, and Molecular Genetics. It is administered through the Department of Cell & Systems Biology.

(8 full courses or their equivalent)

First year: BIO120H1, BIO130H1; (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1; (MAT135H1, MAT136H1)/MAT137Y1/ MAT157Y1

Higher years:

1. BIO220H1, BIO230H1/ BIO255H1; BIO260H1/ HMB265H1; EEB225H1/ STA220H1
2. Genomics fundamentals: BCH311H1/ CSB349H1/ MGY311Y1, CSB352H1; EEB323H1
3. 0.5 FCE laboratory course from: CSB472H1, CSB474H1; EEB460H1
4. 1.0 FCE genomics elective from: CSB330H1, CSB350H1, CSB397Y0, CSB427H1, CSB435H1, CSB450H1, CSB457H1, CSB458H1, CSB471H1, CSB473H1, CSB490H1, CSB491H1, CSB497H1/ CSB498Y1/ CSB499Y1, EEB362H1, EEB455H1, EEB459H1, EEB462H1, EEB497H1/ EEB498Y1/ EEB499Y1; EHJ352H1; MGY350H1, MGY360H1, MGY428H1, MGY470H1, MGY480Y1

NOTE: Students taking CSB397Y0, CSB490H1, CSB491H1, CSB497H1/ CSB498Y1/ CSB499Y1, EEB497H1/ EEB498Y1/ EEB499Y1 or MGY480Y1 are encouraged to conduct a genomics-related research project.

Biology: see Biology

Genome Biology: see Biology

Lab Materials Fee

Some courses in this department have a mandatory Lab Materials Fee to cover non-reusable materials. The fee for each such course is given below in the course description, and will be included on the student's invoice on ACORN.

Cell and Systems Biology Courses

BIO130H1 - Molecular and Cell Biology

Hours: 36L/15P

One of the goals of modern biology is to understand how the basic building blocks of life give rise to biological form and function. This course provides students with a common lexicon to understand the key principles and concepts in molecular and cell biology, with a focus on how the building blocks of life lead to functioning cells. (Lab Materials Fee: \$10). Lab coat and safety glasses are required for use in laboratories; students are responsible for purchasing these items (approximate cost is \$25).

Prerequisite: SBI4U and SCH4U (Grade 12 University Preparation Biology and Chemistry) or permission of department. Please contact bio130@utoronto.ca for more information.

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB196H1 - Genes, Genomes and Us

Hours: 24L

With the completion of the human genome sequence, we now have access to more information than ever before about our genetic make-up. This course addresses topics such as what are genes, how are they identified and how does knowledge about genes impact society. Students will learn basic concepts in genetics. Using this conceptual foundation, the significance of genomic research for understanding human biology, and the social consequences that may result from it, will be discussed. Evaluation is based on class discussions, homework, oral presentation and written assignments. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB197H1 - Human Viruses**Hours:** 24L

This course allows students to broaden their knowledge about the most important human viruses and prions. In essence, what viruses are, what they do, what are the diseases caused by viruses and how they are transmitted, etc., and what can be done about them (vaccines, antiviral treatments, etc.). Viruses cause many diseases ranging from a benign rash to severe hemorrhages and death. Each student will select a specific topic in Virology and write an essay and present a seminar for the rest of the class. Major "hot" problems in Virology from pandemics to controversial vaccines will also be discussed. Two tests covering all materials presented by all the students' seminars will be conducted. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science**Breadth Requirements:** Living Things and Their Environment (4)**CSB198H1 - Cell and Molecular Biology in the News****Hours:** 24L

The pace of knowledge creation in the fields of cell and molecular biology has greatly increased in the 21st century and with it, the need for greater scientific literacy. In this course, we will teach students to find reliable sources of information in order to understand the basic concepts underlying the research reported in these media releases, with the ultimate aim of critically evaluating these reports. Through exploration of various media articles in cell and molecular biology (with an emphasis on humans), students will be able to apply what they have learned to current events, as well as relevant issues in their lives and society as a whole. Students will be assessed through short-written assignments, class discussions, an oral presentation, and a final project where they will get the opportunity to explore the research behind a media article of their choice. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science**Breadth Requirements:** Living Things and Their Environment (4)**CSB199H1 - Biotechnology and Society****Hours:** 24L

From the manipulation of genes of plants for improved food production through to human tissue engineering and stem cell research, biotechnology is increasingly playing a major role in our world. Society, however, is often challenged by the rapid advances in our knowledge in these areas, and how to best apply these technologies in a manner that is socially responsible and economically viable. In this seminar course, students will research and describe various applications of biotechnology using information obtained from reputable sources, and lead discussions on the benefits and concerns that arise from this research. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science**Breadth Requirements:** Living Things and Their Environment (4)**CSB201H1 - Molecular Biology, Biotechnology and You****Hours:** 24L/12T

An online course intended to provide non-science students with an understanding of basic concepts in molecular biology and genetics, with particular emphasis on humans. Students will work online in groups on problem sets. The course will end with an introduction to biotechnology, including an opportunity for students to use their new knowledge to explore a real, multi-dimensional problem (e.g., cancer). Lectures will be delivered via the web and mandatory tutorials will require live webinar participation. The final exam will require attendance on the St. George campus. This course does not count towards CSB programs.

Exclusion: BIO130H1, BIO230H1, BIO255H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**CSB202H1 - Further Exploration in Biotechnology****Hours:** 24L/12T

Provides non-science students with an additional opportunity to explore biotechnology and its applications in agriculture, the environment, and human health including: drug discovery, aging, and vaccines. Most lectures are viewed online before class and students work in groups during class on problem sets and case studies designed to stimulate further learning, enhance evidence-based reasoning, and promote reflection on the role of biotechnology in society. This course does not count towards CSB programs. CSB201H1 is not a prerequisite for this course.

Exclusion: BIO230H1, BIO255H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)

BIO230H1 - From Genes to Organisms**Hours:** 36L/15P

The genome is the "book of life," providing instructions to construct an organism. This course introduces genome biology and explores how the building blocks of life are networked into functioning organisms. We will investigate how cells perceive internal and external cues, how gene expression is shaped by this perception, and how these events give rise to tissues, organs, and whole organisms. (Lab Materials Fee: \$20). Lab coat and safety glasses are required for use in laboratories; students are responsible for purchasing these items (approximate cost is \$25).

Prerequisite: BIO130H1, (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/ CHM151Y1

Exclusion: BIO255H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BIO270H1 - Animal Physiology I**Hours:** 24L/9P

Animal physiology is a biological sub-discipline that aims to understand, in physical and chemical terms, how animals work. This course uses examples from throughout the animal kingdom, in a comparative approach, to introduce and study homeostasis and the endocrine system. Accompanying laboratories reinforce concepts introduced in lectures and provide opportunities for students to experience firsthand the role that experimentation, data collection, interpretation of data, and communication of data plays in the nature of the scientific process. (Lab Materials Fee: \$10). Lab coat and safety glasses are required for use in laboratories; students are responsible for purchasing these items (approximate cost is \$25).

Prerequisite: BIO130H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BIO255H1 - From Genes to Organisms with Advanced Laboratory**Hours:** 36L/33P

The genome is the "book of life," providing instructions to construct an organism. This course introduces genome biology and explores how the building blocks of life are networked into functioning organisms. We will investigate how cells perceive internal and external cues, how gene expression is shaped by this perception, and how these events give rise to tissues, organs, and whole organisms. The Enhanced Laboratory provides the opportunity for greater laboratory skill development in modern investigative techniques and is intended for students interested in conducting their own laboratory research. (Lab Materials Fee: \$50). Lab coat and safety glasses are required for use in laboratories; students are responsible for purchasing these items (approximate cost is \$25).

Prerequisite: BIO130H1, (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/ CHM151Y1, cGPA 3.0

Exclusion: BIO230H1

Recommended Preparation: BCH210H1 (taken concurrently or previously)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BIO271H1 - Animal Physiology II**Hours:** 24L/9P

Animal physiology is a biological sub-discipline that aims to understand, in physical and chemical terms, how animals work. This course uses examples from throughout the animal kingdom in a comparative approach to introduce and study the nervous and cardiorespiratory systems. Accompanying laboratories reinforce concepts introduced in lectures and provide opportunities for students to experience firsthand the role that experimentation, data collection, interpretation of data, and communication of data plays in the nature of the scientific process. (Lab Materials Fee: \$10). Lab coat and safety glasses are required for use in laboratories; students are responsible for purchasing these items (approximate cost is \$25).

Prerequisite: BIO270H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BIO260H1 - Concepts in Genetics**Hours:** 48L/12T

This is a problem based course which discusses classical, molecular, developmental, and population genetics and genomics with emphasis on model organisms for genetic analysis.

Prerequisite: BIO230H1/ BIO255H1

Exclusion: HMB265H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB299Y1 - Research Opportunity Program**Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Science

CSB325H1 - Endocrine Physiology**Hours:** 24L/9T

The regulation of physiological processes by hormones and other signalling molecules in non-human chordates. An integrated genes-to-environment approach is used to examine aspects of hormonal evolution, physiological information flow, behaviour and neuroendocrinology, and xenobiotic endocrine disruptors. Students will have the opportunity to research areas of their own interest via group interaction in a series of tutorial sessions.

Prerequisite: BIO270H1, BIO271H1**Recommended Preparation:** EEB266H1, EEB267H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**CSB329H1 - Stem Cell Biology: Developmental Models and Cell-based Therapeutics****Hours:** 24L/12T

Stem cells provide the basis for cellular diversity in multicellular organisms and have enormous therapeutic potential in regenerative medicine. The course will introduce students to the differences and similarities between stem cells from different organisms, their roles throughout development and therapeutic potentials.

Prerequisite: BIO230H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**CSB327H1 - Extracellular Matrix Dynamics and Associated Pathologies****Hours:** 36L

Examines the expression, structure and function of the four major classes of ECM macromolecules: collagen, proteoglycans, non-collagenous structural proteins and glycoproteins. In addition to forming elaborate networks that give tissues and organs their unique architectural design and biomechanical properties, ECM molecules act as potent regulators of all cellular activities. Emphasis is placed on the morphoregulatory contribution(s) of ECM molecules to normal and pathological development.

Prerequisite: BIO230H1/ BIO255H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**CSB328H1 - Developmental Biology****Hours:** 24L/24P

Basic concepts in developmental biology. Early development of invertebrates and vertebrates will be discussed with emphasis on experimental and molecular analysis of developmental mechanisms. Tutorials focus on the experimental analysis of embryonic development and regeneration, and discuss primary literature of selected topics in developmental biology. (Lab Materials Fee: \$25).

Prerequisite: BIO230H1/ BIO255H1, BIO260H1/ HMB265H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**CSB330H1 - Techniques in Molecular and Cell Biology****Hours:** 8L/52P

Laboratory course on molecular and cell biology research techniques used to study genes and proteins. Topics include plasmid cloning, PCR, bioinformatics, gene expression analyses, protein-protein interactions, and protein subcellular localization. (Lab Materials Fee: \$50).

Prerequisite: BIO230H1/ BIO255H1, BIO260H1/ HMB265H1**Recommended Preparation:** BCH311H1/ CSB349H1/ MGY311Y1 taken concurrently**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**CSB331H1 - Advanced Cell Biology I: Cellular Dynamics During Development****Hours:** 36L

The development of multicellular organisms is dependent on complex cell-cell and cell-matrix dynamics. The course examines the molecules and mechanisms involved and how they act in concert to regulate distinct developmental and physiological events. Emphasis is placed on the experimental approaches and technology used to study the molecular interactions and dynamics that alter structure-function relationships in cells and organisms.

Prerequisite: BIO230H1/ BIO255H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)

CJH332H1 - Cellular and Molecular Neurobiology of the Synapse

Previous Course Number: CSB332H1

Hours: 24L

Examination of all aspects of the synapse in both the peripheral and central nervous systems of invertebrates and vertebrates. Topics include: neuroplasticity, synapse formation, synaptic transmission, synaptic modulation, and the molecular biological basis of neurodegenerative disorders.

Prerequisite: BIO271H1/ PSL300H1

Exclusion: CSB332H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB340H1 - Plant Development

Hours: 24L

Plant developmental genetics at the molecular, cellular and organismal level, generation and use of genomic resources in plant model organisms. Questions address the genetic dissection of plant embryo and meristem development, plant stem cell specification and tissue patterning. Genomic approaches applicable to plant biotechnology are also covered.

Prerequisite: BIO230H1/ BIO255H1, BIO260H1/(HMB265H1 with a minimum grade of 73%)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB343H1 - Animal Energetics

Hours: 24L

Animal structure and function, at all levels from molecule to whole animal, are dependent on energy. This course describes how the supply, consumption, transformation, exchange and storage of energy can facilitate, constrain and limit animal function. Emphasis is placed on systems level physiological function and whole animal performance.

Prerequisite: (BIO270H1, BIO271H1)/(PSL300H1, PSL301H1)

Recommended Preparation: BCH210H1/ BCH242Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB345H1 - Introductory Biology of Sleep

Hours: 24L

An introduction to the regulation of sleep-wake states and the functions of sleep - why and how animals sleep. Integrates all levels of biological organization, including molecular biology, cell biology, systems physiology, control theory, behaviour and evolution, with comparisons across phyla.

Prerequisite: (BIO270H1, BIO271H1)/(PSL300H1, PSL301H1)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB346H1 - Neurobiology of Respiration

Hours: 24L/12T

Integrated control of cardio-respiratory physiology and metabolism in mammals. Topics include exercise, diving, sleep and hibernation.

Prerequisite: (BIO270H1, BIO271H1)/(PSL300H1, PSL301H1)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB348H1 - Laboratory in Comparative Animal Physiology

Hours: 48L

Laboratory exercises will include traditional and guided inquiry approaches to investigate and gain an understanding of the regulation of physiological systems in vertebrates and invertebrates. Students will experience the nature of physiological investigation while being exposed to a range of the current experimental approaches animal physiologists use to design, test and evaluate hypotheses, and communicate their findings. This course will emphasize the fundamental characteristics humans share with all animal life and the physiological adaptations that have permitted species to exploit alternative environmental niches. (Lab Materials Fee: \$50). Lab coat and safety glasses are required for use in laboratories; students are responsible for purchasing these items (approximate cost is \$25).

Prerequisite: BIO270H1, BIO271H1

Exclusion: PSL372H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB349H1 - Eukaryotic Gene Expression

Hours: 30L/18T

Genome structure and the regulation of gene expression in eukaryotic cells. Topics include gene duplication, repetitive DNA, transcription, gene silencing and regulation, expression profiling, and nuclear reprogramming. Tutorials emphasize problem based learning exercises that relate to recent advances in the broad field of eukaryotic gene expression.

Prerequisite: BIO230H1/ BIO255H1, BIO260H1/ HMB265H1

Exclusion: MGY311Y1, MGY420H1

Recommended Preparation: BCH210H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB350H1 - Laboratory in Molecular Plant Biology

Hours: 24L/36P

Laboratory methods used in plant molecular biology research. Topics include vector construction, plant transformations, PCR, DNA blots, high-throughput screens, genetic mapping, and bioinformatic analyses. (Lab Materials Fee: \$50). Lab coat and safety glasses are required for use in laboratories; students are responsible for purchasing these items (approximate cost is \$25).

Prerequisite: BIO230H1/ BIO255H1

Recommended Preparation: BIO251H1 or higher level plant biology course; BCH311H1/ CSB349H1/ MGY311Y1 concurrently

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB351Y1 - Introductory Virology

Hours: 48L/48T

An introduction to basic and medical virology. What you should know about viruses and the diseases they cause. Tutorials are optional.

Prerequisite: BIO230H1/ BIO255H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB352H1 - Bioinformatic Methods

Hours: 6L/18P

Use of available programs for analyzing biological data. This is an introductory course with a strong emphasis on hands-on methods. Some theory is introduced, but the main focus is on using extant bioinformatics tools to analyze data and generate biological hypotheses.

Prerequisite: BIO230H1/ BIO255H1, BIO260H1/ HMB265H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB353H1 - Plant-Microorganism Interactions and Plant Immunity

Hours: 24L

Plants have co-evolved with microbes ever since their first appearance on land, resulting in sophisticated strategies of pathogenicity, symbiosis, commensalisms and mutualism. This course presents an overview of these strategies with examples of bacteria, fungi, oomycetes and viruses that have evolved intimate associations with plants, and discusses plant immune systems.

Prerequisite: BIO230H1/ BIO255H1

Exclusion: CSB452H1

Recommended Preparation: BIO251H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB397Y0 - Research Abroad in Cell & Systems Biology

Hours: TBA

An independent research project conducted in a cell biology, developmental biology, plant biology, neurophysiology, or systems biology research lab in an approved partner university. The laboratory research is supervised by a faculty member at the partner institution. Not eligible for CR/NCR option.

Prerequisite: Minimum grade of 73% in BIO230H1/ BIO255H1/ BIO271H1 and permission of the CSB397Y0 coordinator

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB398Y0 - Research Excursions**Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Science**CSB399Y1 - Research Opportunity Program****Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

CSB426H1 - Physiology of Stress and Reproduction**Hours:** 12L/24S

Students will gain an integrated understanding of how organismal and cellular stress affects the process of reproduction. The focus will be primarily on chordates and will examine genetic, cellular, organismal, behavioural, and social levels of interaction.

Prerequisite: Minimum grade of 73% in CSB325H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**CSB427H1 - Drosophila as a Model in Cancer Research****Hours:** 12L/12T/12S

Use of the genetic model organism Drosophila in biomedical research with specific emphasis on cancer research. Students will read, discuss and present classical papers and current literature in the field to enhance their ability to critically evaluate the primary scientific literature.

Prerequisite: BIO260H1/ HMB265H1, two of CSB328H1/ CSB331H1/ CSB349H1/ MGY350H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**CSB428H1 - Advanced Cell Biology II: Cell Polarity and Cytoskeletal Dynamics****Hours:** 12L/12T/12S

This advanced course covers cell polarity and cytoskeletal dynamics emphasizing current literature. For each topic, the course examines (1) the proteins involved, (2) their interactions and regulation, and (3) how they organize specific cellular structures. The coordination of these complexes for orchestrating complex cellular processes is also addressed. These important topics of cell biology are pursued with question-driven lectures, and both round-table discussions and group presentations of research papers.

Prerequisite: Minimum grade of 73% in BCH311H1/ CSB349H1/ MGY311Y1, minimum grade of 73% in BCH340H1/ CJH332H1/ CSB328H1/ CSB329H1/ CSB331H1/ CSB340H1/ CSB353H1/ CSB397Y0**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**CSB429H1 - Germ Cell Biology****Hours:** 12L/12T/12S

This course will discuss the genetic and cell biological aspects of the development of gametes, gonads, and sex related traits in animals, including invertebrates and vertebrates. The course consists of lectures and student seminars, and is based on the discussion of primary scientific literature. Not recommended for students with fewer than 14 FCE's.

Prerequisite: Minimum grade of 77% in CSB328H1/ CSB340H1/ CSB349H1/ MGY311Y1/ MGY312H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**CSB430H1 - Neurogenesis****Hours:** 24L/12T

An examination of the molecular and cellular basis of neurogenesis in development and adult nervous systems. Experimental evidence from recent studies in selected invertebrate and vertebrate model systems will be discussed. Topics include neural stem cells, regional specialization of neurogenesis, neuronal and glial differentiation, extrinsic regulation of neurogenesis, adult neurogenesis, and the evolution of neurogenesis. Students are expected to have a basic knowledge of molecular genetics, developmental biology and/or neuroanatomy. Lectures will be complemented by student directed seminars that focus on specialized research studies published in leading scientific journals.

Prerequisite: BIO260H1/ HMB265H1, CSB328H1/ CSB349H1/ (HMB200H1, HMB320H1)**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)

CSB431H1 - Evolution and Development: Gastrulation

Hours: 12L/12T/12S

Gastrulation is used to examine the molecular and cellular mechanisms of a major morphogenetic process and its evolutionary modifications. This course includes small group discussions and presentations. Controversial issues presented in the lectures are debated.

Prerequisite: CSB328H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB443H1 - Homeostasis

Hours: 6L/30S

This integrative physiology course focuses on active and passive mechanisms maintaining cellular and organismal function. Students debate current research and controversies in homeostasis, allostasis and performance. Emphasis is on critical evaluation of concepts, assumptions, data and interpretations. This course is interactive, and students are expected to contribute to class activities.

Prerequisite: CJH332H1/ CSB325H1/ CSB332H1/ CSB343H1/ CSB346H1 or permission of instructor

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB432H1 - Advanced Topics in Cellular Neurophysiology

Hours: 12L/24S

This course examines cellular neurophysiological processes in the developing and mature nervous systems with a focus on: (1) understanding modern techniques used in neurophysiological research; and (2) interpreting the results from neurophysiological peer-reviewed manuscripts. This course is interactive and requires students to contribute actively during lectures and seminars, including conducting a group presentation.

Prerequisite: CJH332H1/ CSB332H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB445H1 - Topics in Sleep Research

Hours: 3L/33S

Covers theories on the biological function of sleep-wake states. By means of in-depth study of primary research papers, the course focuses on sleep-related function at all levels of biological organization - from molecular biology through systems physiology to behaviour and evolutionary ecology. This course emphasizes student participation in seminar discussion and debates.

Prerequisite: (BIO270H1, BIO271H1)/(PSL300H1, PSL301H1)

Recommended Preparation: CJH332H1/ CSB332H1/ CSB345H1/ PSY397H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB435H1 - Regulatory Networks and Systems in Molecular Biology

Hours: 24L

This course will expose students to several of the best-understood regulatory networks in molecular biology, as well as recent technological and methodological developments. Emphasis is on the mechanistic basis for these systems, methods and models for quantitative analysis of regulatory networks and the biological logic they encode.

Prerequisite: BCH311H1/ CSB349H1/ MGY311Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB447H1 - Living Without Oxygen: Microbes to Mammals

Hours: 18L/18S

In-depth examination of the unique cellular adaptations of different organisms and tissues to survival in low oxygen environments. Cellular, physiological and biochemical strategies, and systemic and whole organism responses will be investigated to uncover broad-ranging common strategies employed by diverse organisms to live without oxygen and in other stressful environments.

Prerequisite: (BIO270H1, BIO271H1)/(PSL300H1, PSL301H1)

Exclusion: CSB347H1, NUS348H0

Recommended Preparation: BCH210H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB450H1 - Proteomics in Systems Biology**Hours:** 24L

A discussion on current proteomic approaches to understand biological processes. The role of mass spectrometry, gel electrophoresis, protein-protein interaction and structural biology in understanding how proteins function in pathways and interaction networks will be discussed.

Prerequisite: BIO230H1/ BIO255H1, BCH210H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**CSB457H1 - Post-transcriptional Gene Regulation****Hours:** 12L/24S

This course focuses on advances in post-transcriptional gene regulation. Topics include regulatory RNAs, RNA processing, localization, translation, and degradation. In addition to lectures covering background material, emphasis is placed on current research and involves discussion of primary literature in a round-table format.

Prerequisite: Minimum grade of 70% in BCH311H1/ CSB349H1/ MGY311Y1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**CSB452H1 - Molecular Plant-Microorganism Interactions****Hours:** 24L

This course explores the molecular strategies that microbes and plants have evolved to live with each other. The variety of strategies will be summarized with emphasis on the molecular mechanisms of pathogenic relationships.

Prerequisite: BCH311H1/ CSB349H1/ MGY311Y1**Recommended Preparation:** CSB353H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**CSB458H1 - Epigenetics****Hours:** 36S

A seminar course exploring non-Mendelian phenomena in plants, fungi and animals that reveal aspects of genome organization and regulation that may provide insight into genome function and evolution.

Prerequisite: BIO260H1/ HMB265H1, BCH311H1/ CSB349H1/ MGY311Y1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**CSB454H1 - Pathogenic Effector Biology****Hours:** 12L/12S

Microbial pathogens inject effector proteins into host cells in order to sabotage cellular systems and favor the infection process. This course explores the molecular details of how cellular systems (e.g., secretion, cytoskeleton and signaling) are manipulated by pathogenic effectors to promote the infection process, while emphasizing interesting structural and biochemical features of effector biology along the way. The course will also compare and contrast the strategies employed by plant versus animal pathogens, and how immune systems have evolved to cope with cellular hijacking by pathogenic effector molecules. The course will be based on the primary research literature and involve a combination of lectures and critical discussions of research papers.

Prerequisite: BCH311H1/ CSB349H1/ MGY311Y1**Recommended Preparation:** MGY377H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**CSB459H1 - Plant Molecular Biology and Biotechnology****Hours:** 24L

This course introduces students to major features of gene expression and signal transduction in plants. Topics include strategies for generating transgenic plants and regulating gene expression, as well as the importance of signal transduction in plant growth and survival. How plants sense and respond at the molecular level to environmental stresses such as drought, salinity, cold and disease will be discussed. The application of this basic scientific information in biotechnological strategies for improving agronomic traits will also be addressed.

Prerequisite: BCH311H1/ CSB349H1/ MGY311Y1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)

CSB460H1 - Plant Signal Transduction

Hours: 24L

Plant development, ecological adaptation and crop plant productivity depend on the sophisticated potential of plants to sense and compute signals to regulate their responses. An arsenal of genetic and genomic tools is employed to elucidate these plant signal transduction pathways. Examples from the original literature will be used to introduce general concepts of plant signal transduction, molecular biology and genomics and their application in understanding and influencing plant growth and development.

Prerequisite: BCH311H1/ CSB349H1/ MGY311Y1 or permission of instructor

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB473H1 - Chemical Genomics

Hours: 24L

This course surveys the field of Chemical Genomics, focusing on the analysis of biological problems using chemical approaches. Topics covered include chemical genetics, combinatorial chemistry and combinatorial strategies in molecular biology. Examines both the underlying biological and chemical concepts; however, the focus is primarily biological.

Prerequisite: BIO230H1/ BIO255H1, BIO260H1/ HMB265H1, CHM247H1/ CHM249H1/any 300+ CHM course

Recommended Preparation: BCH210H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB471H1 - Foundational Discoveries in Genome Biology and Bioinformatics

Hours: 24S

This course is based on the critical analysis of key research articles in genome biology and bioinformatics. The format is interactive and requires students to contribute actively during class meetings. Small student groups will be assigned to present context, figures, data, methods and impact from a number of research articles during the semester. Based on the readings, small student groups will propose new genome technologies or datasets and new bioinformatics software or databases.

Prerequisite: BCB330Y1/ BCH441H1/ CSB352H1/ CSB472H1/ EHJ352H1/ MGY428H1, or permission of instructor

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB474H1 - Methods in Genomics and Proteomics

Hours: 48P

This is a hands-on, laboratory based course offered through the Centre for the Analysis of Genome Evolution and Function (CAGEF). It will teach students how to produce and analyze data that are central to the fields of genomics and proteomics.

Techniques taught include DNA and RNA extraction, PCR, DNA sequencing, quantitative PCR, transcript profiling using microarrays, 2D-gel proteome analysis, and associated bioinformatics analyses. (Lab Materials Fee: \$50). A lab coat is required for use in laboratories; students are responsible for purchasing this (approximate cost is \$16).

Prerequisite: BIO260H1/ HMB265H1, BIO255H1/ CSB330H1/ CSB350H1 or by permission of the instructor

Recommended Preparation: BCH311H1/ CSB349H1/ MGY311Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB472H1 - Computational Genomics and Bioinformatics

Hours: 24L/12T

Computational analyses of DNA and RNA expression data. Understanding biological databases, sequence alignment, sequence annotation, gene prediction, computational analysis of function, motif analysis, phylogenetic analysis, and gene expression profiling analysis. Applied, theoretical and statistical issues will be addressed.

Prerequisite: BIO230H1/ BIO255H1

Recommended Preparation: BIO260H1/ HMB265H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB475H1 - Plant Metabolomics

Hours: 24L

This course introduces students to major features of plant metabolism. The content covers plant physiology, natural product chemistry, genetics, molecular biology, and genomics. Topics also include strategies for designing how we modulate metabolic pathways and how we utilize plants for biotechnology through metabolic engineering.

Prerequisite: BCH311H1/ CSB349H1/ MGY311Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB483H1 - Seminar in Development**Hours:** 24S

Seminars analyzing major concepts in developmental biology from quantitative, physics-based and molecular perspectives.

Prerequisite: CSB328H1/ CSB340H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**CSB492H1 - Advanced Topics in Cell and Systems Biology****Hours:** 24L

This advanced course covers topics in cell and systems biology at all levels of biological organization. Students learn about the wide array of state-of-the-art molecular, genomic, proteomic, cell biological, imaging, physiological and computational tools and methods that researchers use to study the behaviour of cells.

Prerequisite: CSB325H1/ CSB349H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**CSB490H1 - Team-Based Learning: Current Topics in Cell and Molecular Biology****Hours:** 8L/16S

A team-based learning course with emphasis on questions in the fields of protein biochemistry, synthetic biology, and the evolution of proteins and networks of protein-protein interactions. Lectures and seminars will focus on current research topics within these fields and will provide the background knowledge for students to work in teams to explore the primary research literature, and for each team to develop a formal research proposal. For details on this year's content, please go to <https://csb.utoronto.ca/undergraduate-studies/undergraduate-courses/undergraduate-course-level-400/>.

Prerequisite: BIO260H1/ HMB265H1, CSB330H1/ CSB349H1/ CSB352H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**CSB497H1 - Independent Research in Cell and Systems Biology I****Hours:** TBA

An original research project (a literature review alone is not sufficient) requiring the prior consent of a member of the Department to supervise the project. The topic is to be mutually agreed upon by the student and supervisor. They must arrange the time, place, and provision of any materials and submit to the Undergraduate Office a signed form of agreement outlining details prior to being enrolled. In the Fall or Winter sessions, a commitment of 8-10 hours per week is expected for research and related course activities. If spread over both the Fall and Winter sessions, a commitment of 4-5 hours per week is expected. In the Summer Session, the number of hours doubles per week (e.g., 16-20 for F or S, or 8-10 for Y) as the length of the term is halved compared to the Fall or Winter term. Many students spend more than this amount of time as they become immersed in their project. This course is normally open only to fourth year students with adequate background in Cell and Systems Biology. Course requirements include a final report, and either an oral presentation (Summer and Fall sessions) or a poster presentation (Winter session). Two workshops on scientific research are scheduled and highly recommended. Details for enrollment are available at <http://csb.utoronto.ca/undergraduate-studies/undergraduate-courses/under...>. (Lab Materials Fee: \$25). Not eligible for CR/NCR option.

Distribution Requirements: Science**Breadth Requirements:** Living Things and Their Environment (4)**CSB491H1 - Team-Based Research: Research in Cell and Molecular Biology****Hours:** TBA

CSB491H1 will build on molecular biology and biochemistry approaches acquired in CSB350H1 to investigate the role of metabolic enzymes in plants. Students will work in teams to address a specific aspect of a research project. They will develop laboratory and teamwork skills that are desirable for them to function in a research laboratory and in the workplace. The course will integrate current molecular biology techniques, including designing and characterizing mutants made with CRISPR/Cas9, identifying protein interactors, and performing structural and mechanistic analysis of metabolic enzymes. (Lab Materials Fee: \$50). Lab coat and safety glasses are required for use in laboratories; students are responsible for purchasing these items (approximate cost is \$25).

Prerequisite: CSB350H1 with a minimum grade of 77% and approval of the instructor**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)

CSB498Y1 - Independent Research in Cell and Systems Biology I

Hours: TBA

An original research project (a literature review alone is not sufficient) requiring the prior consent of a member of the Department to supervise the project. The topic is to be mutually agreed upon by the student and supervisor. They must arrange the time, place, and provision of any materials and submit to the Undergraduate Office a signed form of agreement outlining details prior to being enrolled. In the Fall/Winter session, a commitment of 8-10 hours per week is expected for research and related course activities. In the Summer session, the number of hours doubles (16-20 per week) as the length of the term is halved. This course is normally open only to fourth year students with adequate background in Cell and Systems Biology. Course requirements include a final report and either an oral presentation (Summer session) or a poster presentation (Fall/Winter session). Four workshops on scientific research are scheduled and highly recommended. Details for enrollment are available at <http://csb.utoronto.ca/undergraduate-studies/undergraduate-courses/under....> (Lab Materials Fee: \$50). Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB499Y1 - Independent Research in Cell and Systems Biology II

Allows students to do a second independent project. Operates in the same manner as CSB497H1/ CSB498Y1. Students who have completed both CSB497H1 and CSB498Y1 are excluded from taking CSB499Y1. (Lab Materials Fee: \$50). Not eligible for CR/NCR option.

Prerequisite: CSB497H1/ CSB498Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

Centre for Medieval Studies

Faculty List

Professor and Director
S. Akbari, BA, MA, MPH, PhD

Assistant Professors

Alexandra Bolintineanu, B.Sc, MA, PhD

Cillian O'Hogan, BA, PhD

Introduction

The Centre for Medieval Studies provides a course in the thousand-year period from the Fall of Rome to the Fall of Constantinople, and beyond. Students can expect to cross the disciplinary boundaries of history, art, literature, philosophy, religion, and history of science, focusing not only on Europe but on the broader Mediterranean and North Sea regions. These courses open up the Centre for the first time to undergraduate students and provide a valuable humanities breadth experience for students who want to experience the culture, poetry, and art of the Middle Ages, as well as medieval music, drama performance and manuscript studies.

Centre for Medieval Studies Courses

MST201H1 - Getting Medieval: Myths and Monsters

Hours: 24L/12T

Introduction to the sound, sight, and touch of the distant past, telling the story of the Middle Ages through objects from animal skin parchment to enameled icon. Lectures are complemented by hands-on learning in weekly tutorials featuring text- and narrative-oriented digital methods, along with medieval drama and music performance.

Prerequisite: None
Exclusion: MST200Y1
Recommended Preparation: N/A
Distribution Requirements: Humanities
Breadth Requirements: Creative and Cultural Representations (1)

MST202H1 - Getting Medieval: Place and Space

Hours: 24L/12T

From world maps to tales of pilgrimage, trade, and exploration, from imagined other worlds to historical cityscapes, this course tells the story of the Middle Ages through the places and spaces that defined medieval culture. Lectures are complemented by hands-on learning in weekly tutorials featuring network visualization and digital mapping.

Prerequisite: None

Exclusion: MST200Y1

Recommended Preparation: N/A

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

MST300H1 - Alexander the Great in the Middle Ages

Hours: 24L/12T

Alexander the Great (356-323 BCE), king of Macedon, was one of the most successful military campaigners the world has ever seen. By the time he was thirty, he had established a vast empire stretching from Greece in the west to India in the east. Fantastic stories and legends about Alexander the Great circulated throughout the medieval world, from Iceland to Iran and from Ethiopia to England. In this course, we explore what different representations of the same figure can tell us about the range of medieval cultures. Through the use of digital tools, students and the instructor work together to explore this rich material. We trace the transmission of Alexander's legend using digital maps. We compare different versions of the same story using text analysis tools. And we curate a small selection of the lavishly-illustrated manuscripts of the Alexander Romance in a digital exhibition.

Prerequisite: MST201H1, or MST202H1, or Permission of Instructor

Exclusion: None

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

MST399Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

MST400Y1 - Languages and Methods for Medieval Studies**Hours:** TBA

Undergraduate students may enrol in MST400Y1 with permission of the instructor.

Prerequisite: Prior training in Latin is required.

MST410H1 - Languages for Medieval Studies: Old Norse**Hours:** 24L

Introduction to Old Norse language and literature, focusing on basic instruction in Old Norse grammar and short readings from poetic and prose texts. The goal is to offer students the opportunity to participate in a graduate course in medieval languages where comparable offerings at the undergraduate level are unavailable.

Prerequisite: Permission of the instructor; at least 8 FCEs

Exclusion: None

Recommended Preparation: Previous language study

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

MST404H1 - Languages in Medieval Studies: Palaeography I**Hours:** 24L/12T

The course is designed as a practicum in the transcription of scripts from the late Roman Empire to the twelfth century. The goal is to offer students the opportunity to participate in a graduate course in manuscript studies where comparable offerings at the undergraduate level are unavailable.

Prerequisite: Level One Latin pass; permission of the instructor; at least 8 FCEs

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

MST405H1 - Languages in Medieval Studies: Palaeography II**Hours:** 24L/12T

Study of Latin Scripts from 1200 to 1600, with attention to background of Gothic writing, physical characteristics of manuscripts, library practices and bibliographical resources. The goal is to offer students the opportunity to participate in a graduate course in manuscript studies where comparable offerings at the undergraduate level are unavailable.

Prerequisite: Level One Latin pass; permission of the instructor; at least 8 FCEs

Exclusion: None

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Chemistry

Faculty List

University Professor Emeritus

J.B. Jones, B Sc, Ph D, D Phil, FRSC, FCIC

Professors Emeriti

I.G. Csizmadia, Dip Eng, M Sc, Ph D
 P.M. Macdonald, M Sc, Ph D (University of Toronto Mississauga)
 R.A. McClelland, B Sc, Ph D, FRSC (University of Toronto Scarborough)
 S. McLean, B Sc, Ph D, FCIC
 M. Menzinger, Dip Eng, M Sc, Ph D (SM)
 W.F. Reynolds, M Sc, Ph D
 E.A. Robinson, B Sc, Ph D, D Sc (University of Toronto Mississauga)
 I.W.J. Still, B Sc, Ph D, D Sc (University of Toronto Mississauga)
 T.T. Tidwell, B Sc, AM, Ph D, FRSC (University of Toronto Scarborough)
 J.P. Valleau, MA, Ph D (I)
 S.G. Whittington, MA, Ph D (T)

Associate Professors Emeriti

S.J. Fraser, BA, Ph D (University of Toronto Scarborough)

Associate Professors, Teaching Stream Emeriti

D. F. McIntosh, B Sc, Ph D

Senior Lecturers Emeriti

S. Skonieczny, D Sc, Ph D
 H. O. Ohorodnyk, M Sc

Professor and Chair of the Department

R.A. Batey, BA, Ph D

Associate Professor and Associate Chair (Graduate)

R.S. Prosser, M Sc, Ph D (University of Toronto Mississauga)

Associate Professor and Associate Chair (Undergraduate)

R.A. Jockusch, BA, Ph D

University Professors

P.W. Brumer, B Sc, Ph D, FRSC
 E. Kumacheva, M Sc, Ph D, FRSC
 M. Lautens, B Sc, Ph D, OC, FCIC, FRSC (T)
 R.J.D. Miller, B S, Ph D, FRSC, FCIC
 G.A. Ozin, B Sc, D Phil, FRSC, FCIC
 J.C. Polanyi, M Sc, Ph D, D Sc, FRS, FRSC, FRSEd
 D.W. Stephan, B Sc, Ph D, FCIC, FRSC, FRSC(UK), FRS
 M.A. Winnik, BA, Ph D, FRSC, FCIC

Professors

J.P. Abbatt, B Sc, Ph D, FRSC
 A. Aspuru-Guzik, B Sc, Ph D
 J. Chin, M Sc, Ph D
 D.J. Donaldson, B Sc, Ph D (University of Toronto Scarborough)
 M.C. Goh, BS, Ph D (U)
 P. Gunning, B Sc, Ph D (University of Toronto Mississauga)
 R.E. Kapral, B Sc, Ph D, FRSC
 R.H. Kluger, AM, Ph D, FCIC, FRSC
 H.B. Kraatz, Ph D (University of Toronto Scarborough)
 U.J. Krull, B Sc, Ph D, FCIC (University of Toronto Mississauga)
 S.A. Mabury, BS, Ph D (U), FRSC
 R.H. Morris, B Sc, Ph D, FRSC, FCIC
 J.G. Murphy, B Sc, Ph D
 M. Nitz, B Sc, Ph D

J.M. Schofield, BA, Ph D

D.S. Seferos, B Sc, Ph D

D. Segal, B Sc, Ph D

A.J. Simpson, B Sc, Ph D (University of Toronto Scarborough)

M.J. Simpson, B Sc, Ph D (University of Toronto Scarborough)

M.S. Taylor, B Sc, Ph D

M. Thompson, B Sc, Ph D, D Sc, FRSC, FCIC

G. Walker, BA, Ph D

F. Wania, B Sc, Ph D (University of Toronto Scarborough)

A. Wheeler, B Sc, Ph D

G.A. Woolley, B Sc, Ph D

A. Yudin, BS, Ph D

D.B. Zamble, B Sc, Ph D

Associate Professors

A. Dhirani, M Sc, Ph D

U. Fekl, M Sc, Ph D (University of Toronto Mississauga)

A.F. Izmaylov, M Sc, Ph D (University of Toronto Scarborough)

V. Kanelis, B Sc, Ph D (University of Toronto Mississauga)

K. Kerman, M Sc, Ph D (University of Toronto Scarborough)

D.R. McMillen, MA Sc, Ph D (University of Toronto Mississauga)

J.A. Shin, AB, Ph D (University of Toronto Mississauga)

D. Song, B Sc, Ph D

X. Zhang, M Sc, Ph D (University of Toronto Scarborough)

Assistant Professors

A. Beharry, Ph D (University of Toronto Mississauga)

H. Peng, B Sc, Ph D

S. Rousseaux, B Sc, Ph D

R. Sullan, B Sc, Ph D (University of Toronto Scarborough)

O. Voznyy, Ph D (University of Toronto Scarborough)

M. Wilson, M Sc, Ph D

Professors, Teaching Stream

A.P. Dicks, B Sc, Ph D (SM)

J. C. Poë, ARCS, M Sc, DIC, FCIC (University of Toronto Mississauga)

Associate Professors, Teaching Stream

C.S. Browning, M Sc, Ph D (SM)

S. Dalili, M Sc, Ph D, (University of Toronto Scarborough)

J. D'eon, B Sc, Ph D

A. Hadzovic, Ph D. (University of Toronto Scarborough)

C.M. Kutas, B Sc, MA, Ph D

L. Mikhaylichenko, M Sc, Ph D, (University of Toronto Scarborough)

B. Morra, B Sc, Ph D

P.A.E. Piunno, M Sc, Ph D, (University of Toronto Mississauga)

W. Restivo, B Sc, (University of Toronto Scarborough)

E. Sauer, B Sc, Ph D, (University of Toronto Scarborough)

D.C. Stone, B Sc, Ph D

Lecturers

K. Quinlan, B Sc, Ph D

M. Staikova, M Sc, Ph D

J. Strautmanis, Ph D (University of Toronto Mississauga)

Introduction

Chemistry is a challenging intellectual pursuit and a dominant force in shaping our civilization. Chemistry places strong emphasis on an understanding of the structures and properties of individual atoms and molecules, and on using this understanding to interpret and predict the behaviour of matter. Many of the concepts of physics, and the methods of mathematics, are basic to chemistry. Chemistry is of fundamental importance to many other subjects including astrophysics, biological sciences, environmental science, geology, materials science, and medical sciences. These and other aspects of the subject are reflected in the courses offered, and the programs recommended by the Department.

The Department has made extensive changes to its course and program offerings in the last few years. These changes included a revision of first year courses, substantial modifications to later-year courses, and the introduction of updated specialist programs in Biological Chemistry, Materials Chemistry, Environmental Chemistry, Pharmaceutical Chemistry, and Synthetic & Catalytic Chemistry. Opportunity also exists to undertake a Nanoscience minor in collaboration with the National University of Singapore.

Students can choose between two first-year options according to their intended area of specialization.

CHM151Y1 is the course that is strongly recommended for students who will be following one of the specialist programs involving chemistry, including Biological Chemistry and Environmental Chemistry or who will be including a substantial amount of chemistry in their degree (such as those following a chemistry major program). CHM151Y1 features a unique Course Community which significantly supports and enhances the student learning experience.

The combination of CHM135H1 and CHM136H1 is recommended for students who intend to take programs in the Life or Health Sciences that do not require a large amount of chemistry.

The outlines of these first-year courses, together with those for later-year offerings, are shown in this Calendar. More detailed information is available from the Department and is posted at www.chem.utoronto.ca/undergrad/courseinfo.php.

Incoming first-year students may find more information about the first year chemistry courses at http://www.chem.utoronto.ca/undergrad/incoming_students.php. The self-assessment test can be a useful tool to measure their understanding of fundamental chemistry concepts from high school.

Students who are following programs that contain a substantial number of chemistry courses are strongly advised to take courses in the proper year (i.e. 200-series in the second year, etc.). Following the correct sequence will enhance the level and balance of preparation for all later year courses, and timetable conflicts will be avoided.

Students whose current programs may be affected by the introduction of new or revised chemistry courses are advised to consult the Department at the earliest possible opportunity.

Students requiring more information about Chemistry programs and courses are invited to visit or phone the Undergraduate Office, Lash Miller Chemical Laboratories, Room 151 (416-978-6033).

Lab Materials Fee

Some courses in this department have a mandatory Lab Materials Fee to cover non-reusable materials. The fee for each such course is given below in the course description and will be included on the student's invoice on ACORN.

Chemistry Programs

Biological Chemistry Specialist (Science Program) - ASSPE1995

Description:

Consult Professor G. A. Woolley, Department of Chemistry.

Biological Chemistry examines Nature at the molecular level by using a combination of synthetic, inorganic, analytical and physical chemistry as well as the tools of molecular biology and biochemistry. This program provides the setting to understand the chemical reactions and interactions that occur in biological processes, as well as how chemical strategies can be used to control these systems. This program includes sufficient flexibility to allow focus in areas such as bioinorganic, bioorganic, biophysical or medicinal chemistry. Students graduating from this program will be prepared for career paths in the biotechnology, biomedical and pharmaceutical sectors, as well as for research and teaching in related areas of chemistry and biology. This program is accredited by the Canadian Society for Chemistry.

Enrolment Requirements:

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required courses will be eligible to enrol. Consult the Arts & Science Program Enrolment website at <http://www.artsci.utoronto.ca/current/program> for details.

Courses for admission: CHM135H1/CHM139H and CHM136H1/CHM138H or CHM151Y1 with a minimum mark of 63%.

Completion Requirements:

(14 full courses or their equivalent, including at least three 400-series full-course equivalents)

First Year: BIO120H1, BIO130H1; CHM151Y1 (strongly recommended)/(CHM135H1/CHM139H, CHM136H1/CHM138H); (MAT135H1, MAT136H1)/ MAT137Y1 / MAT157Y1

First or Second Year: (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Second and Higher Years:

1. BCH210H1; BIO230H1/ BIO255H1; CHM217H1, (CHM220H1/ CHM222H1, CHM223H1), CHM238Y1, (CHM249H1 strongly recommended)/ CHM247H1
2. CHM347H1, CHM348H1, CHM379H1
3. At least 1.0 credit from the following: CHM317H1, CHM327H1, CHM338H1, CHM343H1, CHM410H1, CHM499Y1/ PHC489Y1
4. Further 300/400-series courses in BCH or CHM, including CHM437H1, CHM447H1, and CHM479H1 to make a total of 14 full courses. CSB450H1 is also acceptable.

Chemical Physics Specialist (Science Program) - ASSPE0600

Description:

Consult Professor J. Schofield, Department of Chemistry.

Chemical Physics aims to explain structure and dynamics of molecular and bulk systems in terms of atomic and molecular interactions. Sub-disciplines and specialized topics include reaction dynamics, spectroscopy, optical control of molecular processes, nanoscale science, surface chemistry, theoretical and experimental studies of soft systems (polymers, liquids, biological systems), quantum control and quantum information sciences. The Chemical Physics program will provide students with a solid grounding in physical chemistry, and will prepare students for careers in experimental and theoretical physical sciences, in academia or in research development for companies.

Enrolment Requirements:

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required courses will be eligible to enrol. Consult the Arts & Science Program Enrolment web site at <http://www.artsci.utoronto.ca/current/program> for details.

Courses for admission: CHM135H1/CHM139H1 and CHM136H1/CHM138H1 or CHM151Y1 with a minimum mark of 63%.

Completion Requirements:

(14 full courses or their equivalent, including at least 1.5 400-series courses)

First Year: (CHM151Y1 strongly recommended)/(CHM135H1/CHM139H1, CHM136H1/CHM138H1), (MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1; (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Higher Years:

1. APM346H1; (CHM222H1, CHM223H1), CHM326H1/PHY356H1, CHM327H1, CHM328H1; MAT223H1/MAT240H1, MAT235Y1/MAT237Y1, MAT244H1, MAT334H1; PHY250H1, PHY254H1, PHY354H1, PHY350H1; CHM423H1/PHY456H1
2. Two full course equivalents from CHM210H1, CHM217H1, CHM238Y1, (CHM249H1 strongly recommended)/CHM247H1, CHM310H1, CHM317H1, CHM338H1, CHM348H1, CHM415H1
3. Further 400-series half-courses in CHM/PHY to make a total of 14 full courses

Chemistry Specialist (Science Program) - ASSPE1376

Description:

Consult Associate Chair, Undergraduate Studies, Department of Chemistry.

The Chemistry Specialist Program provides a broad coverage of the core areas of chemistry together with appropriate courses in mathematics and physics during the first three years, and allows students to follow a particular area of interest or a more general program in fourth year. The program is suitable for professional work in any area of chemistry and for entry into graduate school to continue work in any of the sub-fields of chemistry, provided that appropriate options are chosen in fourth year. This program is accredited by the Canadian Society for Chemistry.

Enrolment Requirements:

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required courses will be eligible to enrol. Consult the Arts & Science Program Enrolment website at <http://www.artsci.utoronto.ca/current/program> for details.

Courses for admission: CHM135H1/CHM139H and CHM136H1/CHM138H or CHM151Y1 with a minimum mark of 63%.

Completion Requirements:

(14 full courses or their equivalent, including at least three 400-series full-course equivalents)

First Year: (CHM151Y1 strongly recommended)/(CHM135H1/CHM139H1, CHM136H1/CHM138H1); (MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1; (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Second Year: CHM217H1, (CHM220H1/CHM222H1, CHM223H1), CHM238Y1, CHM249H1; MAT235Y1/MAT237Y1

Third and Fourth Years:

1. BCH210H1, CHM326H1/CHM328H1, CHM327H1
2. Further 300/400-level full course equivalents in CHM/MAT/another science, including at least three of CHM317H1, CHM338H1, CHM343H1, CHM379H1, CHM410H1, CHM499Y1/PHC489Y1 and at least three 400-level CHM full course equivalents to make a total of 14 full courses.

Environmental Chemistry Specialist (Science Program) - ASSPE2543

Description:

Consult Professor J. Murphy, Department of Chemistry (416-946-0260 or jmurphy@chem.utoronto.ca)

Jointly sponsored by the School of the Environment and the Department of Chemistry, this program focuses on analytical theory, instrumentation and methodological aspects of organic and inorganic contaminants in soil, water, air and biological tissues.

Enrolment Requirements:

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required courses will be eligible to enrol. Consult the Arts & Science Program

Enrolment website at <http://www.artsci.utoronto.ca/current/program> for details.

Courses for admission: CHM135H1/CHM139H and CHM136H1/CHM138H or CHM151Y1 with a minimum mark of 63%.

Completion Requirements:

(14 full courses or their equivalent, including at least one 400-series full-course equivalent)

First Year: (BIO120H1, BIO130H1/ BIO220H1); CHM151Y1 (strongly recommended)/(CHM135H1/CHM139H, CHM136H1/CHM138H); (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1

First or Second Year: (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Second and Higher Years:

1. CHM217H1, (CHM220H1/ CHM222H1, CHM223H1), CHM238Y1, CHM247H1/ CHM249H1; (CHM210H1, GGR203H1/ GGR314H1); STA220H1/ GGR270H1
2. CHM310H1, CHM410H1, CHM415H1; ENV234H1, (ENV221H1, ENV222H1), ENV334H1/ ENV341H1/ ENV346H1
3. One additional FCE from 300/400-series CHM courses
4. ENV421H1/ CHM499Y1/ PHC489Y1/ CHM398H0 (in areas relevant to the program with prior approval by the Department)
5. Further courses from any 300/400 series courses with DR=SCI, BR=4 or BR=5 such that the total FCE for the specialist is 14.

Materials Science Specialist (Science Program) - ASSPE2424

Description:

Consult Professor Dwight Seferos, Department of Chemistry.

This program draws both on the basic sciences of chemistry and physics, and on the more applied areas such as metallurgy or ceramics. Courses dealing with these latter fields are offered through the Department of Materials Science in the Faculty of Applied Science and Engineering. This would be an appropriate program for students with career interests in solid state, polymer or composite materials industries, or for graduate work in either chemistry or materials science, with an appropriate choice of options. Students may follow the Materials Chemistry path by taking research course CHM499Y1 or the Materials Science and Engineering path by taking research course MSE498Y1.

Enrolment Requirements:

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required courses will be eligible to enrol. Consult see the [Arts & Science Program Enrolment website](#) for application procedures.

Courses for admission: CHM135H1/CHM139H and CHM136H1/CHM138H or CHM151Y1 with a minimum mark of 63%.

Completion Requirements:

(14 full courses or their equivalent, including at least one 400-series full-course equivalent)

First Year: (BIO120H1, BIO130H1/ BIO220H1); CHM151Y1 (strongly recommended)/(CHM135H1/CHM139H, CHM136H1/CHM138H); (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1

First or Second Year: (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Second Year and Higher Years:

1. MSE101H1
2. (CHM220H1/ CHM222H1, CHM223H1/ MSE202H1), CHM238Y1, CHM247H1/ CHM249H1
3. MSE219H1, MSE318H1, MSE335H1
4. CHM325H1, CHM327H1, CHM338H1, CHM343H1/ CHM348H1, CHM426H1, CHM434H1
5. At least three of the following one of which must be a 400-series: MSE302H1, MSE316H1, MSE343H1, CHM434H1, CHM446H1, MSE415H1, MSE430H1, MSE432H1, MSE440H1, MSE442H1, MSE451H1, MSE458H1, MSE459H1, MSE461H1
6. CHM499Y1/ MSE498Y1

Pharmaceutical Chemistry Specialist (Science Program) - ASSPE1211

Enrolment Requirements:

This is a limited enrolment program. Eligibility is based on a student's mark(s) in the required course(s). The precise mark thresholds outlined below are an estimate of what will be required in the coming program admission cycle.

While it is difficult to predict what will be competitive course marks and average in a given year, based on previous years, the estimate is: course marks = mid 70s ; average = high 70s.

Achieving these estimated marks does not guarantee admission to the program in any given year.

Completion Requirements:

(13.0 full courses or their equivalent, including at least one 400-series course)

NOTE: Some of the courses listed below may have prerequisites.

First Year:

BIO120H1, BIO130H1; (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/ CHM151Y1; (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Second Year:

BCH210H1; BIO230H1; CHM220H1/ CHM222H1, CHM223H1; CHM247H1/ CHM249H1; PHC230H1

Third Year:

CHM217H1; PCL201H1; PHC300H1; PHC301H1; PHC320H1; PHC330H1; PHC340Y1

Fourth Year:**1. PHC489Y1**

2. Two full course equivalents from: CHM317H1; CHM342H1; CHM347H1; CHM379H1; CHM410H1; CHM414H1; CHM417H1; PCL362H1; PHC331H1; PHC401H1; PHC420H1; PHC421H1; PHC430H1; PHC431H1; PHC432H1; PHC435H1; PHC460H1; PHC462H1; PHC470H1; PSL300H1; PSL301H1

Note that not all of the 400-series PHC courses are offered every academic year.

We also offer an optional 12- or 16-month internship program to qualified students. This is a project-based, paid employment placement that takes place between the third and fourth years of undergraduate study. It provides the student with an opportunity to apply the knowledge acquired in the first three years of university to private- or public-sector settings. Placements are available in pharmaceutical and biotechnology companies, university research labs, university-affiliated organizations, or government research agencies.

Synthetic & Catalytic Chemistry Specialist (Science Program) - ASSPE1377

Description:

Consult Professor R. Batey, Department of Chemistry.

This program focuses on the fundamentals and practical aspects of modern synthetic organic and inorganic chemistry, and the understanding and applications of catalytic reactions. Students will become exposed to extensive green chemistry approaches from both experimental and theoretical perspectives. The program provides preparation for career paths as synthetic/discovery chemists, in the pharmaceutical, biotechnology, biomedical, crop protection, materials and related sectors, or for academic research and teaching positions. This program is accredited by the Canadian Society for Chemistry.

Enrolment Requirements:

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required courses will be eligible to enrol. Consult the Arts & Science Program Enrolment website at <http://www.artsci.utoronto.ca/current/program> for details.

Courses for admission: CHM135H1/CHM139H and CHM136H1/CHM138H or CHM151Y1 with a minimum mark of 63%.

Completion Requirements:

(14 full courses or their equivalent)

First Year: (CHM151Y1 strongly recommended)/(CHM135H1/CHM139H, CHM136H1/CHM138H); (MAT135H1, MAT136H1/MAT137Y1/ MAT157Y1; (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Second and Higher Years:

1. BCH210H1, CHM217H1, (CHM220H1/ CHM222H1, CHM223H1), CHM238Y1, (CHM249H1 strongly recommended)/ CHM247H1; MAT235Y1/ MAT237Y1
2. CHM317H1, CHM338H1, CHM342H1, CHM343H1, CHM347H1, CHM348H1
3. CHM432H1, CHM440H1, CHM441H1, CHM443H1
4. CHM499Y1/ PHC489Y1 and/or CHM398H0 in areas relevant to the program with prior approval by the Department
5. Further 300/400-series courses in CHM, including CHM325H1, CHM328H1, CHM379H1, CHM416H1, CHM434H1, CHM437H1, CHM447H1 and CHM479H1 to make a total of 14 full courses.

Chemistry Major (Science Program) - ASMAJ1376

Enrolment Requirements:

Consult Associate Chair, Undergraduate Studies, Department of Chemistry.

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required courses will be eligible to enrol. Consult the Arts & Science Program Enrolment website at <http://www.artsci.utoronto.ca/current/program> for details.

Courses for admission: CHM135H1/CHM139H and CHM136H1/CHM138H or CHM151Y1 with a minimum mark of 63%.

Completion Requirements:

(8 full courses or their equivalent, including at least one CHM half course equivalent at the 400-level)

First Year: (CHM151Y1 strongly recommended)/(CHM135H1/CHM139H, CHM136H1/CHM138H); (MAT135H1, MAT136H1/MAT137Y1/ MAT157Y1)

Second Year: At least two of CHM217H1, CHM220H1/ CHM222H1, CHM238Y1, (CHM249H1 strongly recommended)/ CHM247H1

Third Year: At least two of CHM317H1, CHM327H1, CHM338H1, CHM343H1, CHM348H1, CHM379H1

Fourth Year: Further 200/300/400-level CHM courses to make a total of seven CHM full course equivalents (CHM299Y1, CHM395Y1, CHM396Y0, CHM397H0, CHM398H0, CHM398Y0, CHM399Y1 excluded)

Chemistry Minor (Science Program) - ASMIN1376

Completion Requirements:

Consult Associate Chair, Undergraduate Studies, Department of Chemistry.

(4 full courses or their equivalent, including at least one CHM full-course equivalent at the 300+ level)

First Year: CHM151Y1/(CHM135H1/ CHM139H1, CHM136H1/ CHM138H1)

Second Year: At least one of CHM217H1, CHM220H1/ CHM222H1/ CHM225Y1, CHM238Y1, (CHM249H1 strongly recommended)/ CHM247H1

Third Year: At least one of CHM317H1, CHM327H1, CHM338H1, CHM343H1, CHM348H1, CHM379H1

Fourth Year: Further 200/300/400-level CHM courses to make a total of four CHM full course equivalents (CHM299Y1, CHM395Y1, CHM396Y0, CHM397H0, CHM398H0, CHM398Y0, CHM399Y1 excluded)

Environmental Chemistry Minor (Science Program) - ASMIN2543

Description:

Consult Professor J. Murphy, Department of Chemistry

Environmental chemistry is the study of the chemical impacts of humankind's activities on the soil, air, and water. This minor provides a balanced fundamental background in chemistry as well as an introduction to the major issues associated with environmental chemistry.

Completion Requirements:

(4 full courses or their equivalent; must include at least one full-course equivalent at the 300+ level)

1. (CHM135H1/ CHM139H1, CHM136H1/ CHM138H1)/ CHM151Y1
2. One full course equivalent from CHM217H1, CHM220H1/ CHM222H1/ CHM225Y1, CHM238Y1, CHM247H1/ CHM249H1
3. CHM210H1
4. CHM310H1, and any two of CHM317H1, CHM410H1, CHM415H1

Nanoscience Minor (offered jointly with the National University of Singapore) (Science Program) - ASMIN2723

Completion Requirements:

This Type 3 minor program represents a unique opportunity to study chemistry and physics in a different cultural environment. For more information, contact the Undergraduate Office (LM 151, 416-978-6033, undergrd@chem.utoronto.ca), and the Centre for International Experience (CIE, www.cie.utoronto.ca).

(4 full courses or their equivalent, including at least one CHM full-course equivalent at the 300+ level)

1. CHM151Y1/ CHM135H1/ CHM139H1, (PHY151H1, PHY152H1)/(PHY131H1, PHY132H1)
2. NUS227H0, NUS228H0, NUS328H0, NUS398H0*

3. Further CHM courses to make a total of four full course equivalents

*NUS courses must be taken at the National University of Singapore during either the Winter session of second year studies or the Winter session of third year studies.

Chemistry Courses

CHM101H1 - The Chemistry and Biology of Organic Molecules: Sex, Drugs and Rock and Roll!

Hours: 30L/6T

An introduction to chemistry and chemical principles for non-scientists, with a focus on the chemistry and biology of organic molecules. The myriad roles these compounds play in our lives are discussed, including their use of pheromones, medicines and weapons, and their effect on colour, taste and smell.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM135H1 - Chemistry: Physical Principles

Previous Course Number: CHM139H1

Hours: 36L/12T/18P

CHM135H1 and CHM136H1 may be taken in either order, but not in the same session.

Structure of matter, gases, liquids and solids; phase equilibria and phase diagrams; colligative properties; chemical equilibria; electrolyte solutions and electrochemistry; reaction kinetics; introduction to thermodynamics. Recommended for students in life and health science programs that involve a small amount of chemistry. (Lab Materials Fee: \$25).

Prerequisite: Chemistry SCH4U, Mathematics MHF4U + MCV4U

Corequisite: (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1 recommended, but may be required prerequisite in 2nd year Chemistry courses; PHY131H1, PHY132H1)/(PHY151H1, PHY152H1) recommended

Exclusion: CHM139H1, CHM151Y1, CHMA11H3, CHM140Y5, CHM110H5

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM136H1 - Introductory Organic Chemistry

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Previous Course Number: CHM138H1**Hours:** 36L/12T/18P

CHM135H1 and CHM136H1 may be taken in either order, but not in the same session.

An introduction to principles of structure and their relation to reactivity of organic molecules: molecular structure, stereochemistry, functional groups, and reactions. Recommended for students in life and health science programs that involve a small amount of chemistry. (Lab Materials Fee: \$25).

Prerequisite: Chemistry SCH4U, Mathematics MHF4U + MCV4U**Corequisite:** MAT135H1/ MAT137Y1/ MAT157Y1 recommended, but may be required prerequisite in 2nd year Chemistry courses; (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1) recommended**Exclusion:** CHM138H1, CHM151Y1, CHM242H5, CHMB41H3**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**CHM194H1 - Science and Human Values****Hours:** 0L/0T/0P/24S

There is a tension between creativity and the search for truth, which in science can be looking for patterns in nature. With examples drawn particularly from reports of scientific discoveries that have generated controversy, this seminar course will introduce the underlying principles and history of science, as well as how science and its boundaries are evolving, and how these influence human values. Restricted to first-year students. Not available for CR/NCR option.

Prerequisite: None**Corequisite:** None**Exclusion:** Other First-year Seminars**Recommended Preparation:** Minimum level of high school science and mathematics**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**CHM195H1 - Innovative Teaching Methods in Chemistry****Hours:** 24S

Good teaching is effective communication that engages the audience. In this breadth course, we'll explore innovative teaching in science, through an examination of the nature of science, how scientific knowledge is built, and what makes certain concepts in science problematic to the learner. Students will read and discuss relevant articles in newsmagazines, popular science sources, and educational literature. They will design and deliver mini-lessons to communicate specified scientific concepts. As a major course project, students will develop a communication tool that integrates pedagogical know-how with leading-edge chemical discoveries to produce a teaching unit for use by Ontario teachers. Restricted to first-year students. Not available for CR/NCR option.

Prerequisite: None**Corequisite:** None**Exclusion:** Other First-year Seminars**Recommended Preparation:** Minimum level of high school science and mathematics**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**CHM151Y1 - Chemistry: The Molecular Science****Hours:** 72L/24T/35P

An introduction to the major areas of modern chemistry, including organic and biological chemistry; physical chemistry and chemical physics; and inorganic/materials chemistry. The course is intended for students who will be following one of the chemistry specialist programs (including Biological Chemistry and Environmental Chemistry) or who will be including a substantial amount of chemistry in their degree (such as those following a chemistry major program). The combination of CHM151Y1 and CHM249H1 serves as a full year introductory course in organic chemistry with laboratory. (Lab Materials Fee: \$50).

Note: CHM151Y1 has a unique Course Community where the undergraduate experience in chemistry is greatly enhanced through a series of workshops, research seminars, tours, outreach opportunities and social activities. Two hour biweekly Course Community meetings, during laboratory class hours will alternate weeks with the CHM151Y1 lab classes. The lab time is reserved for CHM151Y1 activities every week of each semester.

Prerequisite: Chemistry SCH4U, Mathematics MHF4U + MCV4U; Physics SPH4U recommended**Corequisite:** PHY131H1, PHY132H1)/(PHY151H1, PHY152H1) recommended, but may be required prerequisites in 2nd year chemistry courses; (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1**Exclusion:** CHM135H1, CHM136H1, CHM138H1, CHM139H1, CHMA10H3, CHMA11H3, CHMB41H3, CHM110H5, CHM120H5**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)

CHM196H1 - The Quantum World and Its Classical Limit

Hours: 24S

This course seeks to demystify quantum mechanics and equip students to critically analyze popular depictions of quantum phenomena. While quantum mechanics provides a reliable description of the behavior of atoms, molecules and photons, most people are uncomfortable with some of its predictions, such as "quantum entanglement" between distant particles. In this course we will delve into key aspects of quantum mechanics and its more comfortable classical limit, focusing first on its manifestations in nature and then on fundamental issues such as uncertainty, interference, entanglement, and decoherence. This course will appeal to students with enthusiasm for physics. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Other FYF classes

Recommended Preparation: High school physics and mathematics

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM198H1 - Biosensor Technology and Applications for the Non-Scientist

Hours: 24S

This breadth course introduces uses of and key ideas behind biosensor technology. Sensors will be familiar to all, playing key roles in our everyday lives, for example in touch screens or in automotive technology. Biosensor devices are fabricated from an electrical transducer which is intimately connected to a biochemical probe such as an enzyme or antibody. The idea is that a detectable electrical signal can be obtained when a target molecule or ion binds to the probe. Such a device offers many applications. These range from the detection of biological markers in blood and serum to test for genetic and infectious disease, to the selective monitoring of biomolecules for public safety, or in biotechnology or other industrial processes. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Other FYF Courses

Recommended Preparation: Reading of book chapter on biosensor technology

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM197H1 - Environmental Chemistry in a Sustainable World

Hours: 24S

Rapid and widespread industrialization is changing the chemical nature of the planet. In order to have a sustainable future, we need to manage chemicals released by humankind, and to understand their effects on the environment and on us. Each year, this seminar course will address the fundamental science behind a specific topic in this field, such as the interactions of our energy choices and the environment, changes in water and air quality, or exposure to biologically-active synthetic chemicals such as pharmaceuticals or personal care products. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Other FYF courses

Recommended Preparation: Minimum level of high school science and mathematics

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM199H1 - The Context of Chemistry: Origins, Concepts, Tools, and Challenges

Hours: 24S

Chemistry is a practical as well as a conceptual science that serves as the basis for applications in many other fields. The ideas and methods have evolved from diverse inputs leading to widely accepted sets of standard of facts. This collective knowledge has led to progress in the quality and understanding of life at a molecular level. While the facts of chemistry are taught in established courses, the context of what we know, the limitations and challenges of what chemistry can do and how we got to this point will be the targets for discovery by students in this course. The course will operate in a seminar model, combining presentations, readings, reports and discussions of current and historical issues. Restricted to first-year students. Not eligible for CR/NCR option.

Corequisite: CHM135H1 and CHM136H1 (in sequence) or CHM151Y1

Exclusion: Other FYF courses

Recommended Preparation: Grade 12 level chemsity

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM209H1 - Science of the Modern Kitchen

Hours: 24L

The properties of different food types will be discussed, as well as how they can be manipulated in the kitchen to transform taste and texture. Concepts will be considered through the lens of the scientific method, and many of the ingredients and practices of modernist cuisine will be examined. This course is intended for students with no science background.

Prerequisite: None

Corequisite: None

Exclusion: CHM135H1/ CHM136H1/ CHM138H1/ CHM139H1/ CHM151Y1

Recommended Preparation: SCH4U

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM217H1 - Introduction to Analytical Chemistry

Hours: 30L/6T/48P

Introduction to the science of chemical measurement, from sampling through analysis to the interpretation of results, including how water, food products, pharmaceuticals, and dietary supplements are analysed for content, quality, and potential contaminants. Also how to interpret experimental measurements, compare results and procedures, and calibrate analytical instrumentation. Through closely integrated lectures, laboratories, and tutorials, this highly practical course introduces a variety of analytical techniques including volumetric methods, potentiometry, uv/visible and infrared spectrophotometry, flame atomic absorption spectrometry, and chromatography. Additional information can be found at <http://www.chem.utoronto.ca/coursenotes/CHM217>. (Lab Materials Fee: \$25).

Prerequisite: (CHM135H1/ CHM139H1, CHM136H1/ CHM138H1)/ CHM151Y1 with a minimum grade of 63%; (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1

Exclusion: CHM211H5, CHMB16H3

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM210H1 - Chemistry of Environmental Change

Hours: 24L/12T

Examines the fundamental chemical processes of the Earth's natural environment, and changes induced by human activity. Topics relate to the atmosphere: urban air pollution, stratospheric ozone depletion, acid rain; the hydrosphere: water resources and pollution, wastewater analysis; biogeochemistry and inorganic metals in the environment.

Prerequisite: (CHM135H1/ CHM139H1/ CHM151Y1), (MAT135H1/ MAT137Y1/ MAT157Y1)

Exclusion: ENV235Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM220H1 - Physical Chemistry for Life Sciences

Hours: 36L/12T

Introduction to thermodynamics; kinetics; phase equilibrium, properties of mixtures, chemical equilibrium, electrochemistry; introduction to quantum mechanics and spectroscopy. This course is recommended for students in life and health science programs that involve a small amount of chemistry. Students enrolled in any chemistry specialist program (including Biological Chemistry and Environmental Chemistry) or who will be including a substantial amount of chemistry in their degree (such as those following a chemistry major program), are strongly encouraged to take CHM222H1 and CHM223H1.

Prerequisite: (CHM135H1/ CHM139H1, CHM136H1/ CHM138H1)/ CHM151Y1; (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1

Corequisite: Recommended co-requisite: MAT235Y1/ MAT237Y1

Exclusion: CHM225Y1/ CHM222H1, CHMB20H3, JCP221H5/CHM221H5

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM211H1 - Chemicals in the Environment: The Good, the Bad, and the Ugly

Hours: 24L

The world is made up of chemicals, some are natural and some are unnatural. This course will explore sources and fate of chemicals in the environment and how humans interact with them. From this perspective, we will examine how to assess exposure and risk in our everyday lives.

Exclusion: CHM135H1/ CHM136H1/ CHM151Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM222H1 - Introduction to Physical Chemistry

Previous Course Number: CHM225Y1

Hours: 24L/12T

Topics: introductory thermodynamics, first and second law and applications; chemical equilibrium; chemical kinetics; introductory quantum mechanics; spectroscopy. The course is intended for students who will be following one of the chemistry specialist programs (including Biological Chemistry and Environmental Chemistry) or who will be including a substantial amount of chemistry in their degree (such as those following a chemistry major program).

Prerequisite: [(CHM135H1/ CHM139H1, CHM136H1/ CHM138H1)/ CHM151Y1 with a minimum grade of 63%], (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1,(PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Corequisite: MAT235Y1/ MAT237Y1

Exclusion: CHM220H1/ CHM225Y1, CHMB20H3, CHM221H5, JCP221H5

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM223H1 - Physical Chemistry: The Molecular Viewpoint

Previous Course Number: CHM221H1

Hours: 24L/12T

A continuation of CHM220H1 or CHM222H1 for students wishing to take some additional material in Physical Chemistry. The course covers topics in quantum mechanics and spectroscopy as well as an introduction to reaction kinetics.

Prerequisite: CHM220H1 with a minimum grade of B, or CHM222H1

Corequisite: MAT235Y1/ MAT237Y1 recommended, but may be required pre-requisite in 3rd year Chemistry courses

Exclusion: CHM225Y1/ CHM221H1, CHMB21H3

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

NUS227H0 - Science at the Nanoscale

Hours: 48L/12T

Students are introduced to fundamental principles of physics and chemistry important to the nanoscale. Some basic physical tools that can be used to explore structures at this length scale are discussed. Linkages between the fundamental sciences and practical applications in nanotechnology are also made.

Prerequisite: CHM135H1/ CHM139H1/ CHM151Y1; (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

NUS228H0 - Principles of Spectroscopy

Hours: 36L/12T/39P

Topics discussed include microwave spectroscopy, infrared spectroscopy, Raman spectroscopy, electronic spectroscopy, electron and nuclear spin resonance spectroscopy. The fundamental principles such as energy quantization, rigid rotors and harmonic oscillators are discussed, the techniques and instrumentation are studied, and the practical applications are emphasized.

Prerequisite: CHM135H1/ CHM139H1/ CHM151Y1; (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM238Y1 - Introduction to Inorganic Chemistry

Hours: 48L/10T/44P

The first part (with CHM338H1) of a two-year sequence in Inorganic Chemistry, designed to illustrate and systematize the rich variety of structures, physical properties and reactions of compounds of the elements across and down the Periodic Table. Introduction to structure, symmetry and bonding of molecules and lattices; acid-base and redox reactions; d-metal complexes; chemistry of elements of the s and p blocks; inorganic materials and solid state chemistry with applications in advanced technologies. (Lab Materials Fee: \$50).

Prerequisite: CHM151Y1/(CHM135H1/ CHM139H1, CHM136H1/ CHM138H1) with a minimum grade of 63%

Exclusion: CHM231H5

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM247H1 - Introductory Organic Chemistry II

Hours: 36L/12T/22P

Reactions of organic compounds. Principles of mechanism, synthesis, and spectroscopy, continuing from CHM138H1. This course is recommended for students in life and health science programs that involve a small amount of chemistry. Students enrolled in any chemistry specialist program (including Biological Chemistry and Environmental Chemistry) or who will be including a substantial amount of chemistry in their degree (such as those following a chemistry major program) are strongly encouraged to take CHM249H1. (Lab Materials Fee: \$25).

Prerequisite: (CHM135H1/ CHM139H1, CHM136H1/ CHM138H1)/ CHM151Y1

Exclusion: CHM249H1, CHM243H5, CHMB42H3

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

JSC301H1 - Principles and Practices in Science Education

Hours: 24L

Fundamental principles and practices in education and public outreach in the sciences, mathematics, and engineering, including education research, curriculum, teaching, and assessment. Students will learn and apply effective strategies which engage and educate learners at the K-16 and public level. The course assignments include a project and/or placement experience.

Prerequisite: At least 8.0 credits, and enrolment in a science, mathematics, or engineering program

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CHM310H1 - Environmental Chemistry

Hours: 24L

This course considers carbon-containing molecules in the environment from a variety of perspectives: the carbon cycle, climate change and ocean acidification; fossil fuels and alternative energy sources; and the partitioning and degradation pathways of organic chemicals.

Prerequisite: (CHM135H1/ CHM139H1, CHM136H1/ CHM138H1)/ CHM151Y1, (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM317H1 - Introduction to Instrumental Methods of Analysis

Hours: 24L/48P

Scope of instrumental analytical chemistry; Fourier transform IR absorption spectroscopy; molecular luminescence; emission spectroscopy; mass spectrometry; sensors; gas and high performance liquid chromatography; instrument design principles and applications in industry and the environment. (Lab Materials Fee: \$25).

Prerequisite: CHM217H1 with a minimum grade of 63%; (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1

Exclusion: CHM391H5, CHMC11H3, CHMC16H3

Recommended Preparation: (CHM220H1/ CHM222H1, CHM221H1/ CHM223H1)/ CHM225Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM249H1 - Organic Chemistry

Hours: 36L/50P

An introductory course in organic chemistry, based around the themes of structure, bonding, reaction mechanism and synthesis. Reactions are discussed with a view to understanding mechanism and how they are useful in the multi-step synthesis of medicinally and industrially important compounds. An introduction to the spectroscopy of organic molecules is also given, as well as discussion of topics relating to the biological behaviour of organic molecules and medicinal chemistry. Students are also introduced to green chemistry approaches from an experimental perspective. This course continues from CHM151Y1 or CHM138H1 and is designed for students enrolled in any chemistry specialist or major program. This course is highly recommended for students in the Biological Chemistry Specialist program. (Lab Materials Fee: \$25).

Prerequisite: CHM151Y1/(CHM135H1/ CHM139H1, CHM136H1/ CHM138H1) with a minimum grade of 63%

Exclusion: CHM247H1, CHM243H5, CHMB42H3

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM299Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Science

CHM325H1 - Introduction to Inorganic and Polymer Materials Chemistry

Hours: 24L

Fashioned to illustrate how inorganic and polymer materials chemistry can be rationally used to synthesize superconductors, metals, semiconductors, ceramics, elastomers, thermoplastics, thermosets and polymer liquid crystals, with properties that can be tailored for applications in a range of advanced technologies. Coverage is fairly broad and is organized to crosscut many aspects of the field.

Prerequisite: CHM220H1/ CHM222H1/CHM225Y, CHM238Y1, CHM247H1/ CHM249H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM328H1 - Modern Physical Chemistry

Hours: 24L

This course explores the microscopic description of macroscopic phenomena in chemistry. Statistical mechanics is introduced as the bridge between the microscopic and macroscopic views, and applied to a variety of chemical problems including reaction dynamics. More advanced topics in thermodynamics are introduced and discussed as required.

Prerequisite: (CHM220H1/ CHM222H1, CHM221H1/ CHM223H1)/ CHM225Y1, MAT235Y1/ MAT237Y1

Exclusion: JCP322H5, CHMC20H3

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

NUS328H0 - Nanochemistry

Hours: 48L/12T

The synthesis, characterisation and application of nanostructures using chemical routes, incorporating various concepts from colloidal chemistry, supramolecular chemistry, polymer chemistry and electrochemistry. Applications of nanostructures such as quantum dots, nanoparticles, nanorods and nanowires in the areas of biosensors, bioimaging, LEDs and photonic crystals are highlighted.

Corequisite: NUS227H0

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM338H1 - Intermediate Inorganic Chemistry

Hours: 24L/54P

Further study of the structures, physical properties and reactions of compounds and transition metals. Introductions to spectroscopy and structural analysis, reaction mechanisms, d- block organometallic compounds, catalysis, and bioinorganic chemistry. The weekly laboratory demonstrates aspects of transition metal chemistry. (Lab Materials Fee: \$25).

Prerequisite: CHM238Y1 with a minimum grade of 63%

Exclusion: CHM331H5

Recommended Preparation: CHM217H1, CHM247H1/ CHM249H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM327H1 - Experimental Physical Chemistry

Hours: 12L/48P

Students are exposed to experiments to help them experience modern physical chemistry. Labs designed to illustrate physical chemistry principles and practical techniques as well as their real world state of the art applications. The course also involves some lecture material to broaden the laboratory experience. (Lab Materials Fee: \$25).

Prerequisite: (CHM220H1/ CHM222H1, CHM221H1/ CHM223H1)/ CHM225Y1 with a minimum grade of 63%

Corequisite: Recommended: CHM326H1 or CHM328H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM342H1 - Modern Organic Synthesis

Hours: 24L

An overview of the preparation of various classes of organic compounds. Strategies and tactics of synthetic organic chemistry using examples from natural products and pharmaceuticals. C-C bond formation, functional group reactivity, structure, stereochemistry and selectivity.

Prerequisite: CHM247H1/ CHM249H1

Exclusion: CHM345H5

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM348H1 - Organic Reaction Mechanisms

Hours: 24L/26P

Principles and methods of analyzing and predicting organic chemical reactivity: advanced stereochemistry, conformational analysis, molecular orbitals, reaction kinetics, isotope effects, linear free energy relationships, orbital transformations, systematization of mechanisms. The laboratory section is used to illustrate the operation of the principles, including examples of data acquisition for mechanistic analysis and theoretical computations. Regular original reports on methods and outcomes are an important part of the laboratory. (Lab Materials Fee: \$25).

Prerequisite: CHM247H1/ CHM249H1 with a minimum grade of 63%

Exclusion: CHM341H5, CHMC41H3

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM343H1 - Organic Synthesis Techniques

Hours: 24L/54P

This laboratory course showcases modern organic synthesis techniques and introduces chemical research principles. It provides excellent preparation for a CHM499Y1 project in organic chemistry. Associated lectures teach theory and problem-solving approaches from a practical perspective and through industrial case studies. Green chemistry decision-making is a central theme of both the lecture and laboratory components. (Lab Materials Fee: \$25).

Prerequisite: CHM247H1/ CHM249H1 with a minimum grade of 63%

Exclusion: CHM393H5

Recommended Preparation: CHM342H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM379H1 - Biomolecular Chemistry

Hours: 24L/48P

This course provides an opportunity to learn core techniques in biological chemistry in a small group laboratory setting. It provides excellent preparation for a CHM499Y1 project in biological chemistry or related areas. Lectures will discuss the theory behind the techniques and highlight how they are used in modern biological chemistry research and practice. Note: CHM379H1 can be used as the biochemistry lab requirement for students completing double majors in chemistry and biochemistry. (Lab Materials Fee: \$25).

Prerequisite: (CHM247H1/ CHM249H1 with a minimum grade of 63%), CHM347H1, BCH210H1

Exclusion: BCH370H1, CHM371H5

Recommended Preparation: CHM217H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM347H1 - Organic Chemistry of Biological Compounds

Hours: 24L/12T

An organic chemical approach to the structure and reactions of major classes of biological molecules: carbohydrates, amino acids, peptides and proteins, phosphates, lipids, heterocycles, vitamins, nucleotides and polynucleotides. This is achieved through studies of advanced stereochemistry, chemical modification, reactions and synthesis. In addition to lectures and reading from texts, there will be opportunities for independent written assignments on several of the topics.

Prerequisite: CHM247H1/ CHM249H1

Exclusion: CHM347H5, CHMC47H3

Recommended Preparation: CHM217H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM395Y1 - Research Project in Chemistry

Hours: 180P

Independent research under the direction of a faculty member in the Department of Chemistry. Not eligible for CR/NCR option.

Prerequisite: Minimum GPA of 3.3 in CHM courses. Completion of at least 2.5 FCEs of CHM courses. Permission of the Associate Chair for Undergraduate Studies and of the prospective supervisor

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM396Y0 - Research Topic Abroad**Hours:** TBA

Course credit for research or field studies abroad under the supervision of a faculty member. Not eligible for CR/NCR option.

Prerequisite: At least 8.5 FCEs and no more than 14.0 FCEs including at least 1.5 FCEs in 2nd Year chemistry courses, or permission of the instructor.

Recommended Preparation: CHM299Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

NUS398H0 - Nanoscience Research**Hours:** 130P

An experimental or theoretical research problem in nanoscience under the supervision of a faculty member. Not eligible for CR/NCR option.

Distribution Requirements: Science

CHM410H1 - Analytical Environmental Chemistry**Hours:** 24L/44P

An analytical theory, instrumental, and methodology course focused on the measurement of pollutants in soil, water, air, and biological tissues and the determination of physical/chemical properties including vapour pressure, degradation rates, partitioning. Lab experiments involve application of theory. (Lab Materials Fee: \$25).

Prerequisite: CHM217H1, CHM210H1/ CHM310H1

Recommended Preparation: CHM317H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM414H1 - Biosensors and Chemical Sensors**Hours:** 24L

The development, design, and operation of biosensors and chemical sensors, including: biosensor technology, transducer theory and operation, device design and fabrication, surface modification and methods of surface analysis, flow injection analysis and chemometrics.

Prerequisite: CHM217H1/ CHM220H1/ CHM222H1/ CHM225Y1

Recommended Preparation: CHM317H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM398H0 - Research Excursions**Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Science

CHM398Y0 - Research Excursions**Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Science

CHM415H1 - Topics in Atmospheric Chemistry

Hours: 24L

This course builds upon the introductory understanding of atmospheric chemistry provided in CHM210H. In particular, modern research topics in the field are discussed, such as aerosol chemistry and formation mechanisms, tropospheric organic chemistry, the chemistry of climate including cloud formation and geoengineering, biosphere-atmosphere interactions, the chemistry of remote environments. Reading is from the scientific literature; class discussion is emphasized.

Prerequisite: (CHM220H1/ CHM222H1/ CHM225Y1), CHM210H1

Recommended Preparation: (PHY131H1,

PHY132H1)/(PHY151H1, PHY152H1)

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM423H1 - Applications of Quantum Mechanics

Hours: 24L

Applications of time independent and time dependent perturbation theory to atomic and molecular problems, selection of topics from WKB approximation and the classical limit; the interaction of light with matter; elementary atomic scattering theory; molecular bonding.

Prerequisite: CHM326H1

Recommended Preparation: MAT223H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM426H1 - Polymer Chemistry

Hours: 24L/12T

Scope of polymer chemistry. Classification of polymers. Synthesis and characterization. Polymers in solution. Thermodynamics of polymer solutions and blends, Flory-Huggins theory. Polymers in the solid state. Crystalline and amorphous polymers. Glass transition and melting temperature. Mechanical properties. Polymers as advanced materials.

Prerequisite: CHM220H1/ CHM222H1/ CHM225Y1, CHM247H1/ CHM249H1

Recommended Preparation: CHM325H1

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM427H1 - Statistical Mechanics

Hours: 24L

Ensemble theory in statistical mechanics. Applications, including imperfect gases and liquid theories. Introduction to non-equilibrium problems.

Prerequisite: CHM326H1, CHM328H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM416H1 - Separation Science

Hours: 24L

Principles of separation in analytical chemistry. Fractionation processes and solvent extractions; theory of chromatography, retention time, column efficiency and resolution. Principles of gas-liquid chromatography; instrumentation for gas chromatography. High performance liquid chromatography - practice and equipment design. Ion exchange, size-exclusion and affinity chromatography. Electrophoretic techniques.

Prerequisite: CHM317H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM417H1 - Laboratory Instrumentation

Hours: 24L/10P

This course provides an introduction to building and using optics- and electronics-based instrumentation for laboratory research, as well as for implementing custom software control. Lecture topics include passive electronic components, diodes and transistors, operational amplifiers, analogue-to-digital conversion, light sources and detectors, reflectors, refractors, polarizers, diffractors, and many others. Lectures are supplemented by laboratories in which students work in teams to build fluorescent detection systems for chromatography over the course of several weeks. (Lab Materials Fee: \$25).

Recommended Preparation: CHM317H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM432H1 - Organometallic Chemistry and Catalysis

Hours: 24L

Structure, bonding, and reactions of organometallic compounds, with emphasis on basic mechanisms, and industrial processes. Addition, metalation, elimination, important catalytic cycles, electrophilic, and nucleophilic reactions are considered on a mechanistic basis. Topics on modern organometallic chemistry and catalysis are covered.

Prerequisite: CHM338H1

Recommended Preparation: CHM348H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM437H1 - Bioinorganic Chemistry

Hours: 24L

This course examines the use of metals in biology. Topics include naturally occurring and medicinal ligands; transport, uptake and control of concentration of metal ions; and physical methods of characterization of metal binding sites. The roles of metal ions in nature are discussed, including as structural and signaling elements in proteins, nucleic acids and DNA-binding complexes and proteins; as Lewis-acid centres in enzymes; as carriers of electrons, atoms and groups in redox proteins and enzymes; and as sources of biominerals; as radiopharmaceuticals.

Prerequisite: CHM238Y1

Exclusion: CHM333H5, CHMD69H3

Recommended Preparation: CHM338H1(strongly recommended), CHM347H1/ CHM379H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM434H1 - Advanced Materials Chemistry

Hours: 24L

A comprehensive investigation of synthetic methods for preparing diverse classes of inorganic materials with properties intentionally tailored for a particular use. Begins with a primer on solid-state materials and electronic band description of solids followed by a survey of archetypical solids that have had a dramatic influence on the materials world, some new developments in materials chemistry and a look at perceived future developments in materials research and technology. Strategies for synthesizing many different classes of materials with intentionally designed structures and compositions, textures and morphologies are then explored in detail emphasizing how to control the relations between structure and property of materials and ultimately function and utility. A number of contemporary issues in materials research are critically evaluated to appreciate recent highlights in the field of materials chemistry - an emerging sub-discipline of chemistry.

Prerequisite: CHM325H1, CHM338H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM440H1 - The Synthesis of Modern Pharmaceutical Agents

Hours: 24L

This course provides an overview of reactions and synthetic strategies that are being used at different stages of the drug development process. Using representative examples from the literature, we will concentrate on synthesis of complex heterocyclic compounds.

Prerequisite: CHM342H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM441H1 - Spectroscopic Analysis in Organic Chemistry

Hours: 24L/20P

Structure and stereochemistry determination using modern spectroscopic techniques. Several techniques are discussed but particular emphasis is given to NMR (1H and 13C NMR) and mass spectrometry. The approach taken emphasizes applications of these spectroscopic methods to organic problems. Students are trained to run their own spectra (IR, UV, NMR, GC-MS). (Lab Materials Fee: \$25).

Prerequisite: CHM249H1, CHM343H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM443H1 - Physical Organic Chemistry**Hours:** 24L

Noncovalent binding forces, solutions, and molecular recognition. Electronic structure theory and computational techniques. Reaction mechanisms: experimental probes and reactive intermediates, including carbenes and radicals. Photophysics and photochemistry of organic compounds.

Prerequisite: CHM220H1/ CHM222H1/ CHM225Y1, CHM348H1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**CHM479H1 - Biological Chemistry****Hours:** 24L

An in depth examination of biological systems at the molecular level. Several complex, multi-component molecular machines with a central role in life will be examined. For each system studied, the focus will be on understanding the chemical mechanisms that underlie the biological activities, and how these processes fit into a cellular context.

Prerequisite: BCH210H1/ BCH242Y1, CHM347H1, CHM348H1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**CHM446H1 - Organic Materials Chemistry****Hours:** 24L

This course covers design, synthesis, characterization and application of organic materials. Emphasis is placed on classic examples of organic materials including semiconducting polymers, molecular devices, self-assembled systems, and bioconjugates, as well as recent advances from the literature.

Prerequisite: CHM247H1/ CHM249H1, CHM220H1/ CHM222H1/ CHM225Y1**Recommended Preparation:** CHM325H1, CHM342H1/ CHM343H1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**CHM499Y1 - Introduction to Chemistry Research****Hours:** 240P

An experimental or theoretical research problem under the supervision of a faculty member in the Department of Chemistry. Applications for enrolment should be made to the Department in the preceding Winter Session with the deadline being the Friday before Reading Week. Application form is available at http://www.chem.utoronto.ca/~undergrd/Application_Form.pdf. Students are notified with the results of their application by the last week of March. Only students being offered admission are required to contact chemistry faculty for available research projects and supervision. Projects are in the areas of environmental, analytical, physical, inorganic, materials, polymer, organic and biological chemistry. Not eligible for CR/NCR option.

Prerequisite: Permission of the department. Minimum CGPA of 3.0. Research positions are limited. Students with strong background on courses in the sub-discipline of research interest will be given preference.

Exclusion: CHM489Y5, CHMD90Y3, MSE498Y1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**CHM447H1 - Bio-organic Chemistry****Hours:** 24L

Mechanisms in biochemical systems: Examples of biological catalysis are considered in terms of chemical mechanisms and their extensions, overcoming barriers catalytic groups in active sites, stereochemical applications, energy transfer, kinetic patterns, inhibitors, drug design, cofactors, ribozymes, proteosomes. Related current issues are noted and discussed. The format includes lectures integrated with in-class discussions.

Prerequisite: CHM347H1, CHM348H1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)

Cinema Studies Institute

Faculty List

Professor Emerita
E.K. Armatage, Ph D

Professor
C. Keil, Ph D

Associate Professors
J. Cahill, Ph D
C. Columpar, Ph D
A. Fenner, Ph D
N. Sammond, Ph D

Associate Professors, Teaching Stream
K. Banning, MA
B.W. Testa, MA

Assistant Professors
B. Jacobson, Ph D
S.C. Richmond, Ph D
A. Zambenedetti, Ph D

Introduction

At the dawn of the twentieth century cinema emerged as a new mass entertainment, a source of information, and a product of economic and social power. Cinema adapted to and absorbed novel technologies, such as sound, color, 3-D, and, later, digital techniques at a rapid pace. As shifting political and economic forces came into play, cinema continued to assume a key role in moving-image culture. During its history, cinema has absorbed seismic shocks in ideas and ideologies, and responded to the shifting politics of race, gender, class, and sexuality that have defined modern society. Now, in the early years of the twenty-first century, an evolving mediascape driven by digital technologies offers exciting opportunities to assess the ever-changing role of cinema across global cultures.

Because of its status as a major art form and a vital social practice, cinema has assumed a crucial place within the university. The Cinema Studies Institute has, over four decades, developed into a major area of academic research, study, and teaching at the University of Toronto and has contributed in pivotal ways to the development of the discipline both in Canada and internationally.

Cinema Studies offers courses that reflect the diversity of cinematic experience: film analysis, history, social practice, and theory are at the core of the program. Other topics also receive emphasis, including distinct types of film (such as documentary, animation, and the avant-garde), film genres, media cultures, and new media forms. Our courses explore the global dimension of cinema, investigating national and transnational cinema. They raise issues of how race, class, and gender operate in moving image culture. Cinema Studies offers a range of research methods, scholarly frameworks, and learning opportunities; all are designed to develop students' abilities to understand cinema within a wide range of contexts - critical, economic, cultural, technological, and aesthetic. Graduates of the Cinema Studies Institute achieve learning outcomes that include a strong historical and theoretical foundation coupled with advanced analytical and critical skills. Our graduates are well-equipped to apply their knowledge to a variety of media-related careers and avocations. They have become arts and entertainment journalists, film programmers, and image archivists, and have found a diversity

of positions within the film, television, and new media sectors. Cinema Studies does not offer courses in filmmaking, but numerous graduates have successfully pursued professional work in different facets of film and media production.

Since its inception, Cinema Studies has had its administration, teaching, and research home at Innis College, which also houses its faculty. Innis offers specially-equipped facilities and a cordial and intimate setting for cinema students. For more information about Innis College, go to innis.utoronto.ca.

Enquiries: Undergraduate Program Assistant, Room 232AE, Innis College (416-978-8571), cinema.studies@utoronto.ca, or the Cinema Studies website, cinema.utoronto.ca.

Cinema Studies Institute Programs

Cinema Studies Specialist (Arts Program) - ASSPE0797

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a limited number of students. Enrolment in the Cinema Studies programs requires completion of CIN105Y1 'Introduction to Film Study,' and three additional full-course equivalents. Admission will be determined by a student's mark in CIN105Y1. It is expected that a final mark of at least 70% be required for admission in the coming cycle. Students can be considered for admission if they do not meet the minimum grade requirement in CIN105Y1 by achieving a minimum grade of 70% in CIN201Y1.

Meeting these minimum requirements may not guarantee admission.

Note: All Cinema Studies programs are Type 2L (limited enrolment) programs. See the [Program Enrolment website](#) for instructions.

Completion Requirements:

(10 full courses or their equivalent (FCEs))

First Year:

CIN105Y1

Second Year:

CIN201Y1

Third Year:

CIN301Y1

Fourth Year:

1.0 FCE from the following: CIN410H1, CIN411H1, CIN412H1, CIN420H1, CIN430H1, CIN431H1, CIN432H1, CIN440H1, CIN450H1, CIN451H1, CIN452H1, CIN460H1, CIN470H1, CIN471H1, CIN472H1, CIN480H1

Second, Third and Fourth Year:

In addition, CIN230H1 or 0.5 FCE from Breadth Category 5; and at least 5.5 FCEs from Groups B through G, of which 3.0 FCEs must be at the 300/400 level, and only a maximum of 2.0 FCEs can be from Group G: Cross-Listed

Students must complete CIN105Y1, CIN201Y1 and CIN301Y1 before taking any fourth-year courses.

Cinema Studies Major (Arts Program) - ASMAJ0797

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a limited number of students. Enrolment in the Cinema Studies programs requires completion of CIN105Y1 'Introduction to Film Study,' and three additional full-course equivalents. Admission will be determined by a student's mark in CIN105Y1. It is expected that a final mark of at least 70% be required for admission in the coming cycle. Students can be considered for admission if they do not meet the minimum grade requirement in CIN105Y1 by achieving a minimum grade of 70% in CIN201Y1.

Meeting these minimum requirements may not guarantee admission.

Note: All Cinema Studies programs are Type 2L (limited enrolment) programs. See the Program Enrolment website for instructions.

Completion Requirements:

(7 full courses or their equivalent (FCEs))

First Year:

CIN105Y1

Second Year:

CIN201Y1

Third Year:

CIN301Y1

Fourth Year:

0.5 FCE from the following: CIN410H1, CIN411H1, CIN412H1, CIN420H1, CIN430H1, CIN431H1, CIN432H1, CIN440H1, CIN450H1, CIN451H1, CIN452H1, CIN460H1, CIN470H1, CIN471H1, CIN472H1, CIN480H1

Second, Third and Fourth Year:

In addition, CIN230H1 or 0.5 FCE from Breadth Category 5; and at least 3.0 FCEs from Groups B through G, of which 2.0 FCEs must be at the 300/400 level, and only a maximum of 1.5 FCEs can be from Group G: Cross-Listed

Students must complete CIN105Y1, CIN201Y1 and CIN301Y1 before taking any fourth-year courses.

Cinema Studies Minor (Arts Program) - ASMIN0797

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a limited number of students. Enrolment in the Cinema Studies programs requires completion of CIN105Y1 'Introduction to Film Study,' and three additional full-course equivalents. Admission will be determined by a student's mark in CIN105Y1. It is expected that a final mark of at least 70% be required for admission in the coming cycle. Students can be considered for admission if they do not meet the minimum grade requirement in CIN105Y1 by achieving a minimum grade of 70% in CIN201Y1.

Meeting these minimum requirements may not guarantee admission.

Note: All Cinema Studies programs are Type 2L (limited enrolment) programs. See the Program Enrolment web site for instructions.

Completion Requirements:

(4 full courses or their equivalent (FCEs))

First Year:

CIN105Y1

Second Year:

CIN201Y1

Second, Third and Fourth Year:

2.0 FCEs from Groups A through G, of which 1.0 FCE must be at the 300/400 level, and only a maximum of 1.0 FCE can be from Group G: Cross-Listed

Students must complete CIN105Y1, CIN201Y1 and CIN301Y1 before taking any fourth-year courses.

Course Groups

Group A: Foundations

- CIN105Y1 Introduction to Film Study
- CIN201Y1 Film Cultures I: Art and Industry
- CIN301Y1 Film Cultures II: Politics and Global Media

Group B: Genre and Modes

- CIN210H1 Horror Film
- CIN211H1 Science Fiction Film
- CIN212H1 Cinema and Sensation I: Action/Spectacle
- CIN213H1 Cinema and Sensation II: Sex
- CIN215H1 Fantasy Film
- CIN216H1 Crime Film Traditions
- CIN310Y1 Avant-Garde and Experimental Film
- CIN312Y1 Documentary Film
- CIN314Y1 Genre, Narrative and Narration in Film
- CIN320H1 Special Topics in Genre and Modes
- CIN322H1 Cult Cinema
- CIN410H1 Advanced Study in Genre and Modes
- CIN411H1 Advanced Study in Genre and Modes
- CIN412H1 Advanced Study in Genre and Modes
- CIN420H1 Advanced Studies in Cinema

Group C: Social and Cultural Practices

- CIN230H1 The Business of Film
- CIN240H1 Special Topics in Cinema Studies
- CIN330Y1 Feminist Approaches to Cinema
- CIN332Y1 Screening Race
- CIN334H1 The Origins of the Animation Industry, 1900-1950: A Technosocial History
- CIN335H1 American Animation after 1950
- CIN340H1 Special Topics in Cinema as Social and Cultural Practice
- CIN349H1 Screenwriting
- CIN430H1 Advanced Study in Cinema as Social and Cultural Practice
- CIN431H1 Advanced Study in Cinema as Social and Cultural Practice
- CIN432H1 Advanced Study in Cinema as Social and Cultural Practice

- [CIN440H1 Advanced Studies in Cinema](#)

Group D: Theory and Criticism

- [CIN250Y1 Directors: Four Studies in Film Authorship](#)
- [CIN260H1 Selected Topics in Cinema Studies](#)
- [CIN352H1 Issues in Film Authorship I](#)
- [CIN353H1 Issues in Film Authorship II](#)
- [CIN360H1 Special Topics in Theory and Criticism](#)
- [CIN362H1 Animals and Cinema](#)
- [CIN363H1 Ecocinema: The Nature of Film](#)
- [CIN369H1 Critical Writing on Film](#)
- [CIN450H1 Advanced Study in Theory and Criticism](#)
- [CIN451H1 Advanced Study in Theory and Criticism](#)
- [CIN452H1 Advanced Study in Theory and Criticism](#)
- [CIN460H1 Advanced Studies in Cinema](#)

Group E: History and Nation

- [CIN270Y1 American Popular Film Since 1970](#)
- [CIN370H1 Canadian Cinemas](#)
- [CIN372Y1 Contemporary World Cinema](#)
- [CIN374Y1 American Filmmaking in the Studio Era](#)
- [CIN376Y1 Chinese Cinemas](#)
- [CIN378H1 Aspects of a National Cinema](#)
- [CIN379H1 Hungarian Cinema](#)
- [CIN380H1 Special Topics in History and Nation](#)
- [CIN389H1](#)
- [CIN470H1 Advanced Study in History and Nation](#)
- [CIN471H1 Advanced Study in History and Nation](#)
- [CIN472H1 Advanced Study in History and Nation](#)
- [CIN480H1 Advanced Studies in Cinema](#)
- [FCS310Y1 French Cinema](#)
- [GER251H1 German and European Cinema \(E\)](#)
- [ITA240Y1 History of Italian Cinema](#)
- [ITA340H1 Italian Neorealist Cinema](#)
- [ITA341H1 Gender and Genre in Italian Cinema](#)
- [ITA342H1 Popular Italian Cinema](#)
- [ITA345H1 Cinema of the Italian Diasporas](#)

Group F: Independent Studies

- [CIN490Y1 Independent Studies in Cinema](#)
- [CIN491H1 Independent Studies in Cinema](#)
- [CIN492H1 Independent Studies in Cinema](#)

Group G: Cross-Listed

- [EAS242H1 Japanese Cinemas I: Film Form and the Problems of Modernity](#)
- [EAS243H1 Japanese Cinemas II: Film Form and the Problems of Modernity](#)
- [EAS278H1 Approaches to Korean Cinema](#)
- [EAS431H1 Advanced Topics in Japanese Cinema](#)
- [FCS392H1 Special Topics in French Cultural Studies II](#)
- [FIN250H1 Finnish Cinema](#)
- [FIN260H1 Scandinavian Cinema](#)
- [GER250H1 Topics in German Film History \(E\)](#)

- [HIS335H1 Soviet Cultural History](#)
- [HIS345H1 History and Film](#)
- [HIS459H1 Soviet History and Film, 1921-1946](#)
- [HIS460H1 Soviet History and Film, 1941-1991](#)
- [HIS467H1 French Colonial Indochina: History, Cultures, Texts, Film](#)
- [SLA226H1 Film and Ethics: Polish Cinema](#)
- [SLA234H1 Russian and Soviet Cinema](#)
- [SLA333H1 Animated Film in Europe](#)
- [SMC355H1 Contemporary Celtic Cinema](#)
- [SPA375H1 Latin American Cinema](#)
- [JSU325H1 Queerly Canadian](#)

Cinema Studies Institute Courses

CIN105Y1 - Introduction to Film Study

Hours: 24L/24T/72P

Introduction to film form (including style and narration), different types of films, and popular approaches to the study of cinema. Topics include: narrative cinema, documentary, *avant-garde*, genre, authorship, ideology, and representation.

Exclusion: INI115Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CIN201Y1 - Film Cultures I: Art and Industry

Hours: 24L/24T/72P

Examines the practices, theories, and debates surrounding the emergence of cinema through to the development of studio system filmmaking in the first half of the 20th Century. Topics include: film's relation to the other arts, formalist and realist traditions, technological innovations, audiences and reception, and cultural industries.

Prerequisite: CIN105Y1

Exclusion: INI212Y1, INI215Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Thought, Belief and Behaviour (2)

CIN210H1 - Horror Film**Hours:** 12L/12T/36P

Horror film as a genre, focusing on three types of international horror: the un-dead, body horror, and the supernatural. The genre's popular appeal, affective power, unique means of producing pleasure, and current global resurgence will be emphasized. Topics include: the aesthetics of gore and violence, technologies of fear, J-Horror, new French extremity, cult fandom and paracinema, and media convergence.

Exclusion: INI226H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CIN213H1 - Cinema and Sensation II: Sex****Hours:** 12L/12T/36P

Erotic images and sounds have long featured in filmic pleasure and, for just as long, excited controversy. This course examines how sex is articulated on screen and how its regulation suggests broader themes and ideas. Topics include: obscenity laws and the history of film censorship, the eroticized aspects of conventional movies, art cinema, and "adult" erotic films.

Exclusion: INI223H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CIN211H1 - Science Fiction Film****Hours:** 12T/36P

This course is the study of science fiction films in their cultural and political contexts and the genre's narrative and conceptual components. The goal of the course is to familiarize students with science fiction films as popular genre texts, emphasizing the period between 1950 and the present.

Exclusion: INI227H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CIN214H1 - New Media Forms****Previous Course Number:** CIN260H1**Hours:** 36L/12T

Introduction to the study of new and contemporary media forms, with a focus on aesthetic and moving-image media. Students will learn key concepts in digital media studies through close examination of historical and contemporary examples from art, cinema, video, and games. Course readings draw on interdisciplinary critical models from cinema studies, cultural studies, art history, and digital media studies.

Exclusion: CIN260H1 (Topics: New Media), offered in Winter 2014, Fall 2014, and Fall 2016**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CIN212H1 - Cinema and Sensation I: Action/Spectacle****Hours:** 12L/12T/36P

Action movies cement the dominance of commercial cinema, and they largely define the contemporary era of the blockbuster and CGI effects. This course examines the narrative modes and the extremes that action scenes reach, and it explores the commercial and social function of the genre. The course also traces Action's historic reach and global diversity to include its significant precursors and transnational forms that Action cinema takes on.

Exclusion: INI222H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CIN215H1 - Fantasy Film****Hours:** 12L/12T/36P

This course examines the development of the Fantasy imagination in cinema from the start of film production (i.e., George Méliès) through the classical era (i.e., *Wizard of Oz*) to the contemporary proliferation of Fantasy cinema (i.e., *Lord of the Rings*, *Snow White and the Huntsman*). Course includes study of Asian, European, and South American Fantasy films.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

CIN216H1 - Crime Film Traditions**Hours:** 12L/12T/36P

Originating in the mid-19th century from journalistic accounts and detective stories, crime fiction has emerged as one of the dominant popular genres in the 20th century across a variety of media and platforms, from true crime dime novels to radio dramas, from hard-boiled literature to prestige television series. Rejuvenated in the 21st century by the consolidation of gaming culture and the rise of podcasting, crime narratives have expanded to transmediality, stretching the boundaries between fiction and documentary practices. In this context, the culturally porous and generically elastic crime film had remained one of the most enduring cinematic expressions of sociopolitical anxieties related to class, gender, race, and ethnicity. This course examines a selection of crime film traditions across various geographical areas and historical periods, investigating the resilience of this form from the silent period to the present day.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CIN230H1 - The Business of Film****Hours:** 36L/12T

Examines cinema as a commercial enterprise, emphasizing production, distribution, and exhibition and the political economy of North American film culture.

This is a Breadth Category 3 course but has been specially-designed to fulfill the Quantitative Reasoning requirement for Cinema Studies Specialists and Majors.

Exclusion: INI228H1**Distribution Requirements:** Humanities; Social Science**Breadth Requirements:** Society and its Institutions (3)**CIN240H1 - Special Topics in Cinema Studies****Hours:** 12L/12T/36P

Course on special topics in Cinema Studies. Topics vary each year.

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)**CIN250Y1 - Directors: Four Studies in Film Authorship****Hours:** 48L/48P

This course takes four selected directors' films and examines them analytically and interpretively. The purpose of the course is to apply and test the *auteur* theory in the context of concepts of film style and film conventions.

Prerequisite: CIN105Y1**Exclusion:** INI224Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CIN260H1 - Selected Topics in Cinema Studies****Hours:** 12L/12T/36P

Course on selected topics in Cinema Studies. Past topics include: "New Media."

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CIN270Y1 - American Popular Film Since 1970****Hours:** 48L/24T/48P

The examination of popular American cinema through its social, political, and commercial practices, and through the study of selected popular films from the 1970s to the present.

Exclusion: INI225Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1); Society and its Institutions (3)

CIN301Y1 - Film Cultures II: Politics and Global Media

Hours: 24L/24T/72S

Examines film theory and practice from the 1950s onward, and the impact of media change on earlier film cultures and aesthetics. Topics include: New Wave cinemas, the politicization of theory, spectatorship, counter-cinemas, transnational film and "Global Hollywood", and media theory from the analog to the digital.

Prerequisite: CIN105Y1, CIN201Y1

Exclusion: INI214Y1, INI314Y1, INI315Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Thought, Belief and Behaviour (2)

CIN314Y1 - Genre, Narrative and Narration in Film

Hours: 48L/72P

Study of theoretical-analytical models of film genres, narrative form, and narration. Structuralist, cognitive-neoformalist, and historiographical approaches will be developed. Genres to be studied include: Westerns, musicals, crime films, biography films, gothic and fantastic films, and art cinema.

Prerequisite: CIN105Y1

Exclusion: INI329Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Thought, Belief and Behaviour (2)

CIN310Y1 - Avant-Garde and Experimental Film

Hours: 48L/72P

Avant-garde films, both canonical and marginal, are examined mainly in the context of modern art and poetry from the 1920s through the 1990s. Films include works from Europe, North America, and Japan. Art contexts range from Cubism, Dada, and Surrealism in the 1920s to Neo-Dada, Abstract Expressionism, Pop, and Postmodernism.

Prerequisite: CIN105Y1

Exclusion: INI322Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CIN320H1 - Special Topics in Genre and Modes

Hours: 24L/24P

Courses in special topics designed for Specialists and Majors in Cinema Studies. Past topics include: "Contemporary Screen Comedy," and "Eco-cinema: The Nature of Film."

Prerequisite: CIN105Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CIN312Y1 - Documentary Film

Hours: 48L/48P

Critical and historical survey of documentary practice, including cinema vérité, ethnographic experiments, and various hybrid forms, with emphasis on the rhetorical, aesthetic, and political dimensions of the "art of record." Topics include: the filmmaker/subject/audience nexus; historiography, hagiography, and performance; and how emerging technology and new media platforms, evinced in the rise of documentary-based webdocs, i-docs, and webgames, affect the actual production and style of linear documentary, as well as impact earlier models of documentary exhibition, distribution, and viewer engagement alike.

Prerequisite: CIN105Y1

Exclusion: INI325Y1

Recommended Preparation: CIN201Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

CIN322H1 - Cult Cinema

Hours: 24L/24P

This course examines "cult" and "exploitation" cinema. It examines the growing popularity of cult/exploitation films as an emerging cinematic subculture that valorizes disreputable or "trash" cinema. A number of sub-genres within exploitation film, including teen films, educational/instructional films, sexploitation, and Blaxploitation, will be explored. The social politics of appropriating texts through ironic reading strategies will also be considered.

Prerequisite: CIN105Y1

Exclusion: INI396H1F (2011), CIN320H1F (20145), CIN320H1S (2016)

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CIN330Y1 - Feminist Approaches to Cinema**Hours:** 48L/48P

Gender politics of feminist film culture since the 1970s. Topics include: apparatus theory and its legacy, models of spectatorship, feminist historiography, the cinematic (re)production of identity, the relationship between social movements and cinema, "postfeminism."

Prerequisite: CIN105Y1/ permission of instructor**Exclusion:** INI323Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1); Thought, Belief and Behaviour (2)**CIN335H1 - American Animation after 1950****Hours:** 24L/36P

This course examines the second fifty years of animation, first by marking Disney's shifting fortunes, then broadening the scope to take in its competitors here and abroad. The global nature of postwar animation has been an odd amalgam of competition and cooperation, of private and public funding, and of film, television, and eventually webcasting, and we will explore some of the changes the form has gone through in the past fifty years or so. Since this is a study of art and of commerce, and of high and low culture, we will view our limited history through the lenses of aesthetics, cultural practices, business decisions, and sometimes political struggle.

Prerequisite: CIN105Y1, CIN201Y1**Exclusion:** INI396H1S (2013), CIN320H1S (2014)**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CIN332Y1 - Screening Race****Hours:** 48L/48P

How race functions in cinema. Topics include: the foundational role of racial inscription and its expansion beyond the black/white paradigm, visual ethnography, 'the primitive,' and Orientalism, indigenous media, the 'Black Atlantic' and Diaspora, Banlieu and exilic film practice and theory, border aesthetics, race and urban space, 'post-race', and the evolving racial imaginary.

Prerequisite: CIN105Y1, CIN201Y1**Exclusion:** INI327Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1); Thought, Belief and Behaviour (2)**CIN340H1 - Special Topics in Cinema as Social and Cultural Practice****Hours:** 24L/24P

Courses in special topics designed for Specialists and Majors in Cinema Studies. Past topics include: "History of Cinematography," and "Everyday Life in the Digital Age."

Prerequisite: CIN105Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CIN334H1 - The Origins of the Animation Industry, 1900-1950: A Technosocial History****Previous Course Number:** INI383H1**Hours:** 24L/36P

An introduction to early animation, considering its vaudeville roots, industrialization, emerging aesthetics, and representational tropes. Examination of the early corpus of animation from 1900-1950, and in-depth study of the artistic, social, and cultural milieux from which animation derived.

Prerequisite: CIN105Y1, CIN201Y1**Exclusion:** INI383H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CIN349H1 - Screenwriting****Hours:** 24S

Students will develop screenwriting skills under the guidance of a renowned screenwriter-in-residence through a combination of writing workshops and individual consultations. Like the course, the appointment of the Universal Screenwriter-in-Residence occurs biannually.

Prerequisite: CIN105Y1, CIN201Y1, and two additional Cinema Studies full-course equivalents**Exclusion:** INI388H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

CIN352H1 - Issues in Film Authorship I**Hours:** 24L/24P

Advanced study of issues in film authorship through intensive examination of one or more major filmmakers.

Prerequisite: CIN105Y1**Exclusion:** INI374H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CIN363H1 - Ecocinema: The Nature of Film****Hours:** 2L/2P

This course takes a broad approach to the growing field – sometimes termed “ecocinema” or “film ecology” – devoted to cinema’s relationship to the natural environment. We will consider that relationship through a combination of historical, textual, and theoretical analysis.

Prerequisite: CIN105Y1, CIN201Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CIN353H1 - Issues in Film Authorship II****Hours:** 24L/24P

Advanced study of issues in film authorship through intensive examination of one or more major filmmakers.

Prerequisite: CIN105Y1**Exclusion:** INI375H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CIN364H1 - Theories of Media****Hours:** 48L

In-depth history of humanistic theories of media and mediation, with a focus on aesthetics. Authors discussed may include Karl Marx, Walter Benjamin, Sigmund Freud, Marshall McLuhan, Friedrich Kittler, Donna Haraway, Bernard Stiegler, Katherine Hayles, and others. Includes substantial discussion of contemporary problems and authors in digital media studies and media theory. Includes extensive consideration of aesthetic forms, including animation, cinema, television, installation art, video games, net.art, and others.

Prerequisite: CIN105Y1**Recommended Preparation:** CIN214H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CIN360H1 - Special Topics in Theory and Criticism****Hours:** 24L/24P

Courses in special topics designed for Specialists and Majors in Cinema Studies. Past topics include: "Cinema and Intermediality."

Prerequisite: CIN105Y1, CIN201Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**CIN369H1 - Critical Writing on Film****Hours:** 48L

The practice of film criticism: studies of examples of journalistic and scholarly critical writing, practical sessions of process writing, and collaborative editing. Course includes regular film screenings.

Prerequisite: CIN105Y1 and one additional Cinema Studies full-course equivalent/ permission of the instructor**Exclusion:** INI384H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CIN362H1 - Animals and Cinema****Hours:** 24L/24P

This course explores cinema's century-long fascination with animals. Its investigations are organized around three central questions. First, what does cinema teach us about animals (why and how we look at animals on film, how we represent and understand animals through film, and what lessons we hope to gain from animals on film)? Second, what do animal films reveal or teach us about the cinema? Third, what are the aesthetic, theoretical, and ethical stakes of such encounters between animals and cinema?

Prerequisite: CIN105Y1, CIN201Y1**Exclusion:** INI398H1F (2011), CIN360H1F (2013), CIN340H1S (2016)**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)

CIN370H1 - Canadian Cinemas**Hours:** 24L/24P

History and diversity of Canadian and Québécois cinemas. Analyses of film and critical frameworks examine how co-productions, multiculturalism, and post-national arguments are re-shaping the production and reception contexts of national cinema. Annual emphasis will be placed on one of the following topics: the emergence of the feature film, Québécois cinema, documentary, or experimental cinema.

Prerequisite: CIN105Y1**Exclusion:** FCS391H1, INI385Y1, INI385H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CIN374Y1 - American Filmmaking in the Studio Era****Hours:** 24L/24T/72P

Industrial, economic, ideological, and aesthetic dimensions of the American studio era.

Prerequisite: CIN105Y1**Exclusion:** INI324Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1); Society and its Institutions (3)**CIN376Y1 - Chinese Cinemas****Hours:** 48L/72P

Examination of Chinese films in their three post-World War II production centres: The People's Republic of China, Taiwan, and Hong Kong. Commercial, political, and aesthetic trends; international reception; major *auteurs* and genres. Directors include Tsui Hark, Chen Kaige, Zang Yimou, Edward Yang, John Woo, and Wong Kar-Wai.

Prerequisite: CIN105Y1**Exclusion:** INI390Y1**Recommended Preparation:** CIN201Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1); Society and its Institutions (3)**CIN378H1 - Aspects of a National Cinema****Hours:** 24L/24P

In-depth treatment of a national cinema. Past courses include: "British Cinema," "Australian and New Zealand Cinema," and "The Other Europe."

Prerequisite: CIN105Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CIN372Y1 - Contemporary World Cinema****Hours:** 48L/72P

Major contemporary developments beyond Hollywood and European filmmaking, examining a select number of national/regional cinemas: Africa, Korea, Iran, India (Hindi cinema), and Latin America. Topics include: transnationalism, indigenization of generic and stylistic conventions, cultural contexts, distribution networks, film festivals, and reception within a global economy.

Prerequisite: CIN105Y1**Exclusion:** INI380Y1**Recommended Preparation:** CIN201Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1); Society and its Institutions (3)

CIN378Y0 - Aspects of a National Cinema**Hours:** TBA

This course offers a critical study of British film cultures, with an emphasis on British film genres, movements and cycles from the 1960s to the present day. Earlier representative works, to include the British documentary movement, will provide a foundation for a comparative study of contemporary British cinema. Major and minor film cultures will be studied in their institutional, social, and cultural contexts to include: the long standing tradition of British realism; the Free Cinema Movement; the "New Wave," "Swinging London;" "Thatcherite" cinema, including its heritage, art cinema, Brit-grit and Black British iterations; in addition to the recent "lad boy" underclass cycle that reconfigures the traditional conceptualization of British cinema as strictly oppositional "realism or tinsel." Debates pertinent to the way in which British films and relate to a shifting sense of national identity, towards examining the "Englishness" of British national cinema, will be highlighted.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CIN379H1 - Hungarian Cinema****Hours:** 24L/24P

Examines historical trends, influential filmmakers, and social and cultural factors influencing the development of Hungarian cinema, assessing its impact within the context of Eastern Europe and internationally.

Prerequisite: CIN105Y1/ permission of instructor**Exclusion:** INI381H1/F (2010) Aspects of a National Cinema: Hungarian Cinema, INI378H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CIN380H1 - Special Topics in History and Nation****Hours:** 24P/24S

Courses in special topics designed for Specialists and Majors in Cinema Studies.

Prerequisite: CIN105Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CIN410H1 - Advanced Study in Genre and Modes****Hours:** 24P/24S

See course description for CIN412H1 listed below.

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CIN411H1 - Advanced Study in Genre and Modes****Hours:** 24P/24S

See course description for CIN412H1 listed below.

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CIN412H1 - Advanced Study in Genre and Modes****Hours:** 24P/24S

Consideration of the status of a selected film genre or mode from historical and theoretical perspectives. Past seminars include: "Film Comedy," "Melodrama," "Film Noir," "The End in Cinema," and "The Musical."

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CIN420H1 - Advanced Studies in Cinema****Hours:** 24P/24S

Seminars in special topics designed for advanced Specialist and Major students in Cinema Studies.

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

CIN430H1 - Advanced Study in Cinema as Social and Cultural Practice

Hours: 24P/24S

See course description for CIN432H1 listed below.

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CIN450H1 - Advanced Study in Theory and Criticism

Hours: 24P/24S

See course description for CIN452H1 listed below.

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CIN431H1 - Advanced Study in Cinema as Social and Cultural Practice

Hours: 24P/24S

See course description for CIN432H1 listed below.

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor

Breadth Requirements: Creative and Cultural Representations (1)

CIN451H1 - Advanced Study in Theory and Criticism

Hours: 24P/24S

See course description for CIN452H1 listed below.

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CIN432H1 - Advanced Study in Cinema as Social and Cultural Practice

Hours: 24P/24S

Consideration of cinema and its social relations. Past seminars include: "American Independent Film," "Children in the Movies," "Sub-Saharan African Cinema," "International Film Festivals," "Interactive Documentary," "Graphic!," "The Revolution Will/Will Not Be Televised," "Social Problem Films," and "Programming and Curation."

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CIN452H1 - Advanced Study in Theory and Criticism

Hours: 24P/24S

Advanced study of select approaches to film theory and criticism. Past seminars include: "Corporeality and the Cinema," "The Cinematic City: Urban Spaces in Film," "Sound and Music in Film," "Expanded Cinema," "Digital Cinema," and "Cinema and Architecture: Scenes, Screens, Studios."

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CIN440H1 - Advanced Studies in Cinema

Hours: 24P/24S

Seminars in special topics designed for advanced Specialist and Major students in Cinema Studies. Past seminars include: "Experiential Learning."

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CIN460H1 - Advanced Studies in Cinema

Hours: 24P/24S

Seminars in special topics designed for advanced Specialist and Major students in Cinema Studies.

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CIN470H1 - Advanced Study in History and Nation

Hours: 24P/24S

See course description for CIN472H1 listed below.

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CIN490Y1 - Independent Studies in Cinema

Hours: TBA

See course description for CIN492H1 listed below. Not eligible for CR/NCR option.

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CIN471H1 - Advanced Study in History and Nation

Hours: 24P/24S

See course description for CIN472H1 listed below.

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CIN491H1 - Independent Studies in Cinema

Hours: TBA

See course description for CIN492H1 listed below. Not eligible for CR/NCR option.

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CIN472H1 - Advanced Study in History and Nation

Hours: 24P/24S

Seminars in historiography and questions of national cinema. Past seminars include: "Film Historiography," "Early Cinema," "Reviewing Hollywood Classicism," "Women Pioneers," "Local Film Cultures: Toronto Sites and Scenes," and "Debating Transnational Cinema."

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CIN492H1 - Independent Studies in Cinema

Hours: TBA

Independent research projects devised by students and supervised by Cinema Studies faculty. Open to advanced Specialist and Major students in the Program. Submit applications to the Undergraduate Program Office: Fall 2016 courses, June 1/ Winter 2017 courses, November 1/ Summer 2017 courses, April 1. Not eligible for CR/NCR option.

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CIN480H1 - Advanced Studies in Cinema

Hours: 24P/24S

Seminars in special topics designed for advanced Specialist and Major students in Cinema Studies.

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Classics

Faculty List

University Professor Emeritus

B.C. Inwood, MA, Ph D, FRSC

Professors Emeriti

T.D. Barnes, MA, D Phil, FRSC
 R.L. Beck, AM, Ph D (University of Toronto Mississauga)
 A. Dalzell, B Litt, MA
 J.N. Grant, MA, Ph D
 Rev. M.O. Lee, MA, Ph D
 C.J. McDonough, MA, Ph D
 W.E. McLeod, AM, Ph D
 D.P. de Montmollin, D ès L
 J.M. Rist, MA, FRSC
 T.M. Robinson, B Litt, D Litt
 J.S. Traill, AM, Ph D

Associate Professors Emeriti

H.J. Mason, AM, Ph D
 C.I. Rubincam BA, Ph D (University of Toronto Mississauga)

Professor and Chair of the Department

C.F.M. Bruun, MA, Ph D

Professor, Graduate Coordinator, and Associate Chair

E. Gunderson, MA, Ph D

Associate Professor, Undergraduate Coordinator, and Associate Chair

E. Lytle, Ph D

University Professor

E.J. Weinrib, AM, Ph D, FRSC (Cecil A. Wright Professor of Law)

Professors

R. Barney, Ph D
 P. Bing, Ph D
 J.S. Burgess, MA, Ph D
 M.J. Dewar, MA, D Phil
 A.M. Keith, MA, Ph D, FRSC
 J.C. Magee, MA, Ph D
 M. Revermann, MA, D Phil (University of Toronto Mississauga)
 V. Wohl, MA, Ph D

Associate Professors

B.W. Akrigg, MA, PhD
 A. E. Bendlin, MA, D Phil (University of Toronto Mississauga)
 K. Blouin, MA, Ph D (University of Toronto Scarborough)
 R. Höschele, MA, Ph D
 J. Welsh, MA, Ph D

Assistant Professors

S. Bernard, Ph D
 B. Chrusbasik, D Phil (University of Toronto Mississauga)
 C. Fulton, Ph D (University of Toronto Mississauga)
 K. Wilkinson, Ph D
 S. Murray, Ph D

Introduction

Classics is the study of the civilizations of ancient Greece and Rome. This includes their literature, religion, mythology, history,

philosophy and art, and also their physical settings, their interactions with surrounding societies, and their influence on later cultures to the present day. The scope of the discipline is vast both in space (not just the territories of the modern states of Greece and Italy but most of western Europe, the Middle East and North Africa) and time (a period of at least two thousand years, from the start of the Bronze Age in Europe in the second millennium B.C. to the dawn of the Middle Ages). Classics at the University of Toronto is not just looking at the past but engaging with issues of compelling and enduring relevance, including: gender and sexuality; the nature of freedom and the basis of political power and legitimacy; how relationships should and do work between parents and children; whether democracy is compatible with imperialism; what it means to be in love; how people cope with the fear of death; and when, if ever, it is right to go to war.

The Department of Classics welcomes students of all academic backgrounds who wish to take courses in the field but do not wish to specialize in Classical Studies. Even without knowing Greek or Latin, students can profitably study Greek and Roman history or Greek and Latin literature in translation - two areas combined under the designation CLA (for Classical Civilization courses) below. Similarly, the Major and Minor Programs in Classical Civilization presuppose no knowledge of the classical languages.

Advanced work in Greek and Latin does require study of the basic language courses in sequence. These are listed below under the designations GRK (for Greek courses) and LAT (for Latin courses). The Department of Classics publishes an undergraduate handbook which may be obtained from the departmental office and is published on the internet; this and other information about the Department is available at:

<http://classics.utoronto.ca/>

Undergraduate Coordinator: Eph Lytle

125 Queens Park, room 110 (undergrad.classics@utoronto.ca; 416-978-4848)

Enquiries: 125 Queens Park, room 108 (416-978-5513)

Classics Programs

Classical Civilization Major (Arts Program) - ASMAJ0382

Enrolment Requirements:

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Required courses: 2 CLA half-courses with a final mark of at least 65% in each. (CLA160H1 is recommended, but not required)

Completion Requirements:

There are no specific requirements for first year. Students are recommended to take CLA160H1 and at least one other CLA course at the 200 level.

7.0 FCEs

1. CLA160H1
2. CLA260H1
3. CLA402H1/ CLA403H1
4. 5.5 additional FCEs in CLA, including 2.0 FCEs at the 300+ level

Substitutions:

1. Up to 3.0 FCEs from approved courses involving the ancient Greek and Roman civilizations taught by other departments, notably Art (e.g., FAH206H1, FAH207H1, FAH300H1- FAH313H1) and Philosophy (e.g., PHL200Y1, PHL301H1- PHL304H1), may be substituted for the 5.5 CLA courses listed under 4. above.
2. Up to 2.0 FCEs in GRK or LAT may be substituted for the 5.5 CLA courses listed under 4. above.

Classics (Greek and Latin) Major (Arts Program) - ASMAJ0962

Completion Requirements:

There are no specific requirements for first year. Students are recommended to take CLA160H1, and in addition GRK101H1 and GRK102H1, and/or LAT101H1 and LAT102H1.

(7 FCEs)

1. CLA160H1, CLA260H1
2. 6 FCEs of GRK/LAT courses, including:

- at least 2 FCEs in each of GRK and LAT
- GRK430H1/ LAT430H1
- one additional half-course at 400-level in either GRK or LAT

Greek Major (Arts Program) - ASMAJ2123

Completion Requirements:

There are no specific requirements for first year. Students are recommended to take CLA160H1, GRK101H1 and GRK102H1.

(6 FCEs)

1. CLA160H1, CLA260H1
2. 4 FCEs of GRK courses, of which 1 FCE must be 300+ level, 1 FCE 400-level, including GRK430H1
3. 1 additional FCE of CLA/GRK/LAT

Latin Major (Arts Program) - ASMAJ1451

Completion Requirements:

There are no specific requirements for first year. Students are recommended to take CLA160H1, LAT101H1 and LAT102H1.

(6 FCEs)

1. CLA160H1, CLA260H1

2. 4 FCEs of LAT courses, of which 1 FCE must be at 300+ level, 1 FCE at 400-level, including LAT430H1

3. 1 additional FCE of CLA/GRK/LAT

Classical Civilization Minor (Arts Program) - ASMIN0382

Enrolment Requirements:

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Required courses: 2 CLA half-courses with a final mark of at least 65% in each. (CLA160H1 is recommended, but not required).

Completion Requirements:

There are no specific requirements for first year. Students are recommended to take CLA160H1 and one other CLA course at the 200 level.

(4 FCEs)

1. CLA160H1

2. 3.5 FCEs of CLA courses at the 200+ level, including 1 FCE at the 300+ level

Substitutions:

1. Up to 2.0 FCEs from approved courses involving the ancient Greek and Roman civilizations taught by other departments, notably Art (e.g., FAH 206H1, FAH207H1, FAH300H1- FAH313H1) and Philosophy (e.g., PHL 200Y1, PHL301H1- PHL304H1), may be substituted for the 3.5 CLA courses listed under 2 above.
2. Up to 1.0 FCEs in GRK or LAT may be substituted for the 3.5 CLA courses listed under 2.above.

Greek Minor (Arts Program) - ASMIN2123

Completion Requirements:

There are no specific requirements for first year. Students are recommended to take CLA160H1, GRK101H1 and GRK102H1.

(4 FCEs)

1. 1 FCE of CLA courses, including CLA160H1

2. 3 FCEs of GRK courses, of which at least 1 FCE must be GRK 300+ level

Latin Minor (Arts Program) - ASMIN1451

Completion Requirements:

There are no specific requirements for first year. Students are recommended to take CLA160H1, LAT101H1 and LAT102H1.

(4 FCEs)

1. 1 FCE of CLA courses, including CLA160H1
 2. 3 FCEs of LAT courses, of which at least 1 FCE must be LAT 300+ level

Faculty of Arts & Science Language Citation

The Department of Classics participates in the Faculty of Arts and Science's Language Citation initiative for Ancient Greek and Latin. The study of Ancient Greek and Latin is a demanding and intellectually rewarding educational experience which makes available to the modern student the rich resources of classical texts in the original languages. Successful study of these languages demonstrates intelligence, discipline, analytical sophistication, and an excellent memory. The study of any foreign language provides invaluable insights into the varieties of human culture and expression.

In each language the Language Citation recognizes a significant level of achievement in language study with a high level of academic success.

The Citation in Latin is available to students who complete LAT101H1 and LAT102H1 (or the equivalent prerequisite training) and earn a grade of at least B- in LAT201H1, LAT202H1 and any two LAT half-courses at the 300 level.

The Citation in Ancient Greek is available to students who complete GRK101H1 and GRK102H1 (or the equivalent prerequisite training) and earn a grade of at least B- in GRK201H1, GRK202H1 and any two GRK half-courses at the 300 level.

Students should note that, as explained on page 20 of this Calendar, the Language Citation is not equivalent to an academic program and that enrolment in a program is not necessary in order to earn the recognition bestowed by the Citation.

Regarding Classics Courses

Note: CLA courses are taught in English; all readings are in English. CLA courses do not require knowledge of Greek or Latin.

300-Series Courses

Most 300-series courses have specific prerequisites, which are enforced. Students seeking exemption from these prerequisites should contact the undergraduate coordinator before attempting to enroll in them on ACORN.

Students enrolled in the Major and Minor Programs in Classical Civilization have priority access to these courses.

Only 8 to 10 half-courses at the 300-level are offered in a typical Fall-Winter Session.

Greek Courses

These courses teach reading in ancient Greek. Prerequisites will be enforced. GRK101H1 requires no prior knowledge in ancient Greek. Courses in Greek taught by the Department of Classics involve the

study of the form of the language employed in antiquity from about 800 B.C.E. to 400 C.E. The Department of Classics does not offer instruction in Medieval or Modern Greek.

Frequency of Offering: In each fall-winter session, GRK430H1 will be offered and a minimum of 3 half-courses in each of the GRK 300 and 400-series. In odd-numbered years the courses offered in the 300 and 400-series will normally be drawn from those with odd numbers, and in even-numbered years from those with even numbers.

Courses numbered GRK440H1 to GRK453H1 are advanced versions of the courses with the same titles at the 300-level (GRK340H1 - GRK353H1). They differ from the 300-level versions in meeting for an extra hour, studying more texts, and including a component of integrative, inquiry-based research.

Latin Courses

These courses teach reading in Latin. Prerequisites will be enforced. LAT101H1 requires no prior knowledge of Latin.

Frequency of Offering: In each fall-winter session, LAT430H1 will be offered and a minimum of 3 half-courses in each of the LAT 300 and 400-series. In odd-numbered years the courses offered in the 300 and 400-series will normally be drawn from those with odd numbers, and in even-numbered years from those with even numbers.

Courses numbered LAT440H1 to LAT453H1 are advanced versions of the courses with the same titles at the 300-level (LAT340H1 - LAT353H1). They differ from the 300-level versions in meeting for an extra hour, studying more texts, and including a component of integrative, inquiry-based research.

Classics Courses

CLA160H1 - Introduction to Classical Studies

Hours: 36L/10T

An introduction to major themes in the development of Greek and Roman civilization, literature and culture.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CLA196H1 - Homer's Odyssey down through Time

Hours: 24S

This course will survey creative works inspired by Homer's *Odyssey*. First we will read through the *Odyssey*, contextualizing the Homeric epic within the larger story of the Trojan War and the subsequent heroic return in the "Epic Cycle." Then we will study various "receptions" of the *Odyssey*, ancient and modern. Ancient works will include the satyr play *Cyclops* by Euripides and portrayals of a love-sick Cyclops in Theocritus and Ovid. In *True Story* Lucian calls Odysseus a liar but rivals his travel tale with episodes placed on the moon and inside a whale. Modern works include Atwood's *Penelopiad*, Walcott's stage version of the *Odyssey*, and the film "O Brother, Where Art Thou?" Themes will include travel literature, truth and lying, localization of the wanderings of Odysseus, culture clash, and the definition of home. All this material, various in date, media, and fidelity to their Homeric source, will provide us with a well-rounded sense of how the *Odyssey* has been re-imagined over the ages. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CLA197H1 - Poetics of Desire

Hours: 24S

The seminar will introduce students to the texts and social context of Eros in Ancient Greece and Rome as it appears in such authors as Hesiod, Homer, Sappho, Catullus and Ovid. It will also examine ancient discussions of the nature of desire, such as those in Plato's *Symposium* and *Phaedrus*. Finally, the course will explore how these traditions were received in Renaissance poetry and thought, through works such as Petrarch's *Rime Sparse* and Shakespeare's *Sonnets*. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CLA198H1 - Julius Caesar

Hours: 24S

Gaius Julius Caesar (100 – 44 BC) was a writer, an orator, a reformer, and a builder, as well as a general, a conqueror, an explorer, and a dictator. After his death, he was even worshipped as a god with a temple in the very heart of Rome. According to his critics, both ancient and modern, he was also a megalomaniac, an enemy of the state, a war criminal, and a tyrant. Only a very few individuals have left such an extensive and controversial mark on the history of the ancient world. We shall consider as many aspects of his life and his legacy as we can, from his conquest of Gaul to his decision to plunge Rome into a horrific civil war, from his love-affair with Queen Cleopatra of Egypt to his brutal assassination on the Ides of March. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CLA199H1 - Death and the Underworld in Classical Antiquity

Hours: 24S

The question of what happens after death has long fascinated humanity. Every culture elaborates a variety of answers to this question, resorting to different approaches in order to discuss, represent and attempt to 'control' the end of human life. Ancient Greeks and Romans articulated their responses to the problem through philosophical and historical-ethnographic inquiries, through the figurative arts, and through myth and poetry. Death, funeral, and mourning were in antiquity at the centre of complex social rituals, often crucial to the construction of a community's identity. Mass casualties in war or following disastrous events, while causing exceptional bereavement, also engendered artistic monumentalization. At the core of ancient responses to the mystery of death, however, are attempts to imagine the specifics of the afterlife (its setting, nature and quality), or else to deny such an afterlife altogether. The seminar will focus on Greco-Roman answers to the problems of death and afterlife, with an interest in the various practices of funeral and mourning, a consideration of funerary monuments, and a special focus on mythical and literary representations of the Underworld. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CLA201H1 - Latin & Greek in Scientific Terminology

Hours: 36L

The study of technical and scientific terms derived from Latin and Greek: word elements, formation, analysis. The course is designed to give students in any field of specialization a better grasp of the derivation and basic meaning of English words derived from Latin and Greek elements.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

CLA210H1 - Greek and Roman Archaeology

Hours: 36L

A survey of the practices and theory of archaeology in the Classical Mediterranean, from the Greek Bronze Age through the Roman Empire. This course introduces students to the archaeological record of the Greco-Roman past, as well as the means by which we access it. Students will develop essential skills to recognize and analyze ancient material culture in preparation for upper level classes, or for fieldwork. No previous knowledge of the discipline is required.

Distribution Requirements: Humanities

Breadth Requirements: Living Things and Their Environment (4)

CLA203H1 - Science in Antiquity

Hours: 36L

The first scientific traditions in the classical Mediterranean and the Near East, with emphasis on Greek science. Discussions of early physical science, biology, mathematics, and astronomy, and their place in ancient life and thought, based on primary sources in translation. Designed for students in both the sciences and humanities.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

CLA215H1 - Classical Warfare

Hours: 36L

An introduction to the military history of ancient Greece and Rome from the 8th century BCE to the 7th century CE, with an emphasis on the political, social and economic implications of warfare and military institutions.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

CLA204H1 - Introduction to Classical Mythology

Hours: 36L

A survey of the myths and legends of ancient Greece (and their extension to Rome) with some consideration of their role in ancient and modern literature and art.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

CLA219H1 - Women in Antiquity

Hours: 36L

A survey of the position of women in ancient Greece and Rome, with focus on women's sexuality and socialization; their economic, religious, and political roles; and their creative production in the arts.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

CLA230H1 - Introduction to Greek History

Hours: 36L

A historical survey of the most significant features in the development of the civilization and states of ancient Greece from the Bronze Age to the second century B.C.E.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

CLA231H1 - Introduction to Roman History**Hours:** 36L

A historical survey of the most significant features in the development of the civilization and state of ancient Rome from the mythical beginnings to the fourth century C.E.

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)**CLA232H1 - Greek Literature and Society****Hours:** 36L

An introduction to ancient Greek literature. Students will explore a range of genres, authors and texts as well as ways of interpreting them.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CLA233H1 - Roman Literature and Society****Hours:** 36L

An introduction to ancient Roman literature. Students will explore a range of genres, authors and texts as well as ways of interpreting them.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CLA236H1 - Greek and Roman Epic****Hours:** 36L

A study of one or more of the epic poems of Greek and Roman antiquity (e.g. The *Iliad* and *Odyssey* of Homer and the *Aeneid* of Virgil).

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CLA260H1 - Method and Theory in Classics****Hours:** 36L

An introduction to key issues in methodology and theory in the study of the classical world.

Distribution Requirements: Humanities**CLA299Y1 - Research Opportunity Program****Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**CLA303H1 - The Ancient Novel****Hours:** 36S

An introduction to the Greek romances of love and adventure (Chariton, Longus, Heliodorus), and the more ironical and socially conscious works of the Roman writers Petronius and Apuleius.

Prerequisite: CLA160H1 + 1 of CLA204H1/ CLA219H1/ CLA232H1/ CLA233H1/ CLA236H1/ CLA260H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CLA305H1 - Theories of Myth****Hours:** 36S

A detailed study of the major modern approaches to the analysis and interpretation of myth with specific reference to their applications to ancient Graeco-Roman myth.

Prerequisite: CLA204H1 + 1 OF CLA160H1/ CLA260H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)

CLA308H1 - Religion in the Greek World

Hours: 36S

A study of the religious cults and forms of worship in the ancient Greek world.

Prerequisite: CLA160H1 + 1 of CLA204H1/ CLA230H1/ CLA232H1/ CLA236H1/ CLA260H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

CLA322H1 - Classical Reception

Hours: 36S

Modern reception of the classical world in a variety of media, such as art, literature, music, popular culture, etc.

Prerequisite: CLA160H1 + 1 of CLA204H1/ CLA219H1/ CLA230H1/ CLA231H1/ CLA232H1/ CLA233H1/ CLA236H1/ CLA260H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CLA310H1 - Religion in the Roman World

Hours: 36S

A study of the religious cults and forms of worship in the Roman world, including the pagan cults, Judaism, and early Christianity.

Prerequisite: CLA160H1 + 1 of CLA204H1/ CLA231H1/ CLA233H1/ CLA236H1/ CLA260H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

CLA336H1 - Roman Law

Hours: 36S

Roman law with emphasis on how it reflected community values. The nature of Roman legal reasoning. The historical development of Roman law against the background of the evolution of Roman society and Roman power.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

CLA319H1 - Sexuality and Gender in Classical Literature

Hours: 36S

Detailed study of the representation of sexuality and gender in Greek and/or Roman literary texts from one or more genres.

Prerequisite: CLA160H1 + 1 of CLA219H1/ CLA232H1/ CLA233H1/ CLA260H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CLA362H1 - Early Greece

Hours: 36S

The Greek world from the second millennium B.C.E. to the emergence of the *polis*

Prerequisite: CLA160H1 + 1 of CLA230H1/ CLA260H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

CLA321H1 - Sport and Festival

Hours: 36S

An examination of various aspects of athletic competition in the ancient Greco-Roman world, employing literary and archaeological evidence.

Prerequisite: CLA160H1 + 1 of CLA230H1/ CLA231H1/ CLA232H1/ CLA233H1/ CLA236H1/ CLA260H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

CLA363H1 - Archaic and Classical Greece

Hours: 36S

The Greek world from the eighth to the fourth centuries B.C.E., with an emphasis on political events and development.

Prerequisite: CLA160H1 + 1 of CLA230H1/ CLA260H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

CLA364H1 - The Hellenistic World**Hours:** 36S

The Greek world in the age of Alexander the Great and his successors (336 B.C.E. to 31 B.C.E.)

Prerequisite: CLA160H1 + 1 of CLA230H1/ CLA260H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

CLA369H1 - The Roman Empire**Hours:** 36S

The Roman world from 68 C.E. to 378 C.E.

Prerequisite: CLA160H1 + 1 of CLA231H1/ CLA260H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

CLA366H1 - Topics in the Study of Greek History**Hours:** 36S

Topics vary from year to year.

Prerequisite: CLA160H1 + 1 of CLA230H1/ CLA260H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

CLA371H1 - Topics in the Study of Roman History**Hours:** 36S

Topics vary from year to year.

Prerequisite: CLA160H1 + 1 of CLA231H1/ CLA260H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

CLA367H1 - The Roman Republic**Hours:** 36S

The Roman world from 510 B.C.E. to 44 B.C.E.

Prerequisite: CLA160H1 + 1 of CLA231H1/ CLA260H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

CLA372H1 - The Economic History of the Classical World**Hours:** 36S

The structure and performance of economies in the Greek and/or Roman worlds, and their modern interpretation.

Prerequisite: CLA160H1 + 1 of CLA230H1/ CLA231H1/ CLA260H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

CLA368H1 - Augustus and the Julio-Claudians**Hours:** 36S

The Roman world in the age of Augustus and his dynasty (44 B.C.E. to 68 C.E.)

Prerequisite: CLA160H1 + 1 of CLA231H1/ CLA260H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

CLA373H1 - The Environment in the Greco-Roman World**Hours:** 36S

An exploration of the ecology and environment of the ancient Mediterranean basin in classical antiquity.

Prerequisite: CLA160H1 + 1 of CLA230H1/ CLA231H1/ CLA260H1

Distribution Requirements: Humanities

Breadth Requirements: Living Things and Their Environment (4)

CLA378H1 - Late Antiquity**Hours:** 36S

The history and culture of the Greco-Roman world during the fourth through seventh centuries C.E., with particular emphasis on the decline of the Roman state and emergence of Christianity.

Prerequisite: CLA160H1 + 1 of CLA231H1/ CLA233H1/ CLA260H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**CLA387H1 - Spectacle in the Roman World****Hours:** 36S

The role in Roman society and culture of public spectacles, including the chariot-races, the gladiatorial games, executions, and triumphal processions.

Prerequisite: CLA160H1 + 1 of CLA231H1/ CLA233H1/ CLA260H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CLA382H1 - Tragedy****Hours:** 36S

The study of classical tragedy as a literary genre, dramatic production, and social institution, with analysis of representative plays.

Prerequisite: CLA160H1 + 1 of CLA204H1/ CLA219H1/ CLA230H1/ CLA232H1/ CLA236H1/ CLA260H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CLA388H1 - Classical Antiquity and the Cinema****Hours:** 36S

A study of the representation of ancient Greece and/ or Rome in cinema.

Prerequisite: CLA160H1 + 1 of CLA219H1/ CLA232H1/ CLA233H1/ CLA260H1; or INI115Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CLA383H1 - Comedy****Hours:** 36S

The origin and development of Greek and Roman comedy, based on a study of representative plays.

Prerequisite: CLA160H1 + 1 of CLA219H1/ CLA230H1/ CLA231H1/ CLA232H1/ CLA233H1/ CLA236H1/ CLA260H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CLA389H1 - Classical Spaces: Sites and Monuments****Hours:** 36S

A close study of one or more sites in the ancient world and the cultural significance of the site(s) in question.

Prerequisite: CLA160H1 + 1 of CLA230H1/ CLA231H1/ CLA232H1/ CLA233H1/ CLA260H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CLA386H1 - Classical Literature in Translation****Hours:** 36S

Study of a selection of Greek and Roman literary texts from one or more genres.

Prerequisite: CLA160H1 + 1 of CLA204H1/ CLA219H1/ CLA232H1/ CLA233H1/ CLA236H1/ CLA260H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**CLA392H1 - Topics in the study of Classical Culture and Society****Hours:** 36S

Topics vary from year to year.

Prerequisite: CLA160H1 + 1 of CLA219H1/ CLA232H1/ CLA233H1/ CLA260H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

CLA398H0 - Research Excursions**Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**CLA398Y0 - Research Excursions****Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**CLA399Y1 - Research Opportunity Program****Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

CLA400H1 - Independent Studies**Previous Course Number:** CLA400Y1**Hours:** TBA

Independent Studies. Not eligible for CR/NCR option.

Prerequisite: Permission of Department**Exclusion:** CLA400Y1**Recommended Preparation:** Preferably 1 FCE in the CLA 300-series**Distribution Requirements:** Humanities**CLA401H1 - Independent Studies****Hours:** TBA

Independent Studies. Not eligible for CR/NCR option.

Prerequisite: Permission of Department**Recommended Preparation:** Preferably 1 FCE in the CLA 300-series**Distribution Requirements:** Humanities**CLA402H1 - Advanced Seminar in Greek Civilization****Hours:** 36S

An advanced research seminar devoted to critical issues relating to Greek civilization. Course requirements include a research essay. Topics vary from year to year.

Prerequisite: Enrolment in Major Program in Classical Civilization; 14.0 FCEs completed including 1.0 in CLA 300-series**Exclusion:** CLA403H1**Distribution Requirements:** Humanities**CLA403H1 - Advanced Seminar in Roman Civilization****Hours:** 36S

An advanced research seminar devoted to critical issues relating to Roman civilization. Course requirements include a research essay. Topics vary from year to year.

Prerequisite: Enrolment in Major Program in Classical Civilization; 14.0 FCEs completed including 1.0 in CLA 300-series**Exclusion:** CLA402H1**Distribution Requirements:** Humanities**Greek Courses****GRK101H1 - Introductory Ancient Greek I****Previous Course Number:** GRK100Y1**Hours:** 48S

An intensive introduction to Ancient Greek for students who have no knowledge of the language; preparation for the reading of Ancient Greek literature.

Exclusion: GRK100Y1 Students who have studied Ancient Greek previously must obtain permission from the Undergraduate Coordinator before enrolling.**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

GRK102H1 - Introductory Ancient Greek II**Hours:** 48S

A continuation of the intensive introduction to Ancient Greek in GRK 101H1. Also appropriate for students who have some training in Ancient Greek, but have not completed a whole credit course at University or a final-year (Grade 12) course in secondary school.

Prerequisite: GRK101H1/some background in Ancient Greek**Exclusion:** GRK100Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GRK341H1 - Greek Historians I****Hours:** 36S

Readings from one or more Greek Historians.

Prerequisite: GRK202H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GRK342H1 - Greek Orators I****Hours:** 36S

Readings from from one or more oratorical texts.

Prerequisite: GRK202H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GRK343H1 - Greek Prose Authors I****Hours:** 36S

Readings from Greek prose authors (e.g., biography, novels, essays, texts in *koine*).

Prerequisite: GRK202H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GRK350H1 - Greek Epic I****Hours:** 36S

Readings from Greek epics, including Homer.

Prerequisite: GRK202H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GRK351H1 - Greek Comedy I****Hours:** 36S

Readings from Aristophanes and Menander.

Prerequisite: GRK202H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GRK201H1 - Intermediate Ancient Greek I****Hours:** 48S

Reading of selections of Ancient Greek prose works with systematic language study.

Prerequisite: GRK100Y1/ GRK102H1. Grade 12 in Ancient Greek may be accepted, but students should consult the Undergraduate Coordinator before enrolling.**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GRK202H1 - Intermediate Ancient Greek II****Hours:** 48S

Continued language training with readings in Ancient Greek prose and verse.

Prerequisite: GRK201H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GRK340H1 - Greek Philosophy I****Hours:** 36S

Readings from one or more philosophical texts.

Prerequisite: GRK202H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

GRK352H1 - Greek Tragedy I**Hours:** 36S

Readings from Aeschylus, Sophocles and Euripides.

Prerequisite: GRK202H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GRK430H1 - Advanced Greek Language Study****Hours:** 36S

A course designed to enhance language skills. Prose composition, sight translation, stylistic analysis of classical Greek prose.

Prerequisite: GRK340H1/ GRK341H1/ GRK342H1/ GRK343H1**Exclusion:** GRK330H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GRK353H1 - Greek Verse Authors I****Hours:** 36S

Readings from Greek verse (e.g., elegy, iambics, lyric).

Prerequisite: GRK202H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GRK440H1 - Greek Philosophy II****Hours:** 48S

Advanced readings from one or more philosophical texts.

Prerequisite: One FCE in the GRK 300-series**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GRK428H1 - Independent Studies****Previous Course Number:** GRK428Y1**Hours:** TBA

Independent Studies. Not eligible for CR/NCR option.

Prerequisite: Permission of Department**Exclusion:** GRK428Y1**Recommended Preparation:** Usually 1 FCE from GRK 300-level courses**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GRK441H1 - Greek Historians II****Hours:** 48S

Advanced readings from one or more Greek historians.

Prerequisite: One FCE in the GRK 300-series**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GRK429H1 - Independent Studies****Hours:** TBA

Independent Studies. Not eligible for CR/NCR option.

Prerequisite: Permission of Department**Recommended Preparation:** Usually 1 FCE from GRK 300-series courses**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GRK442H1 - Greek Orators II****Hours:** 48S

Advanced readings from one or more oratorical texts.

Prerequisite: One FCE in the GRK 300-series**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

GRK443H1 - Greek Prose Authors II**Hours:** 48S

Advanced readings from Greek prose authors (e.g., biography, novels, essays, texts in *koine*).

Prerequisite: One FCE in the GRK 300-series**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GRK453H1 - Greek Verse Authors II****Hours:** 48S

Advanced readings from Greek verse (e.g., elegy, iambic, lyric).

Prerequisite: One FCE in the GRK 300-series**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**Latin Courses****GRK450H1 - Greek Epic II****Hours:** 48S

Advanced readings from Greek epics, including Homer.

Prerequisite: One FCE in the GRK 300-series**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**LAT101H1 - Introductory Latin I****Previous Course Number:** LAT100Y1**Hours:** 48S

An intensive introduction to Latin for students who have no knowledge of the language; preparation for the reading of Latin literature.

Exclusion: LAT100Y1. Students who have studied Latin previously must obtain permission from the Undergraduate Coordinator before enrolling.**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**LAT102H1 - Introductory Latin II****Hours:** 48S

A continuation of the intensive introduction to Latin in LAT 101H1. Also appropriate for students who have some training in Latin, but have not completed a whole credit course at University or a final-year (Grade 12) course in secondary school.

Prerequisite: LAT101H1/some background in Latin**Exclusion:** LAT100Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GRK452H1 - Greek Tragedy II****Hours:** 48S

Advanced readings from Aeschylus, Sophocles and Euripides.

Prerequisite: One FCE in the GRK 300-series**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

LAT201H1 - Intermediate Latin I**Hours:** 48S

Reading of selections of Latin prose works with systematic language study.

Prerequisite: LAT100Y1/ LAT102H1. Grade 12 in Latin may be accepted, but students should consult the Undergraduate Coordinator before enrolling.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

LAT342H1 - Latin Orators I**Hours:** 36S

Readings from Latin orators, including Cicero.

Prerequisite: LAT202H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

LAT202H1 - Intermediate Latin II**Hours:** 48S

Continued language training with readings in Latin prose and verse.

Prerequisite: LAT201H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

LAT343H1 - Latin Prose Authors I**Hours:** 36S

Readings from Latin prose authors (e. g. biography, letters, philosophy).

Prerequisite: LAT202H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

LAT340H1 - Latin Novelists I**Hours:** 36S

Readings from one or more Latin novelists.

Prerequisite: LAT202H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

LAT350H1 - Latin Epic I**Hours:** 36S

Readings from one or more Latin epics, including Virgil.

Prerequisite: LAT202H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

LAT341H1 - Latin Historians I**Hours:** 36S

Readings from one or more Latin historians.

Prerequisite: LAT202H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

LAT351H1 - Latin Drama I**Hours:** 36S

Readings from Latin comedy and/or tragedy.

Prerequisite: LAT202H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

LAT352H1 - Latin Satire I**Hours:** 36S

Readings from one or more Latin satirists.

Prerequisite: LAT202H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

LAT353H1 - Latin Verse Authors I**Hours:** 36S

Readings from Latin verse (e. g. elegy, lyric, bucolic).

Prerequisite: LAT202H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**LAT440H1 - Latin Novelists II****Hours:** 48S

Advanced readings from one or more Latin novelists.

Prerequisite: One FCE in the LAT 300-series**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**LAT428H1 - Independent Studies****Previous Course Number:** LAT428Y1**Hours:** TBA

Independent Studies. Not eligible for CR/NCR option.

Prerequisite: Permission of Department**Exclusion:** LAT428Y1**Recommended Preparation:** Usually 1 FCE from LAT 300-series**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**LAT441H1 - Latin Historians II****Hours:** 48S

Advanced readings from one or more Latin historians.

Prerequisite: One FCE in the LAT 300-series**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**LAT429H1 - Independent Studies****Hours:** TBA

Independent Studies. Not eligible for CR/NCR option.

Prerequisite: Permission of Department**Recommended Preparation:** Usually 1 FCE from LAT 300-series**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**LAT442H1 - Latin Orators II****Hours:** 48S

Advanced readings from Latin orators, including Cicero.

Prerequisite: One FCE in the LAT 300-series**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**LAT430H1 - Advanced Latin Language Study****Previous Course Number:** LAT330H1**Hours:** 36S

A course designed to enhance language skills. Prose composition, sight translation, stylistic analysis of Latin prose.

Prerequisite: LAT340H1/ LAT341H1/ LAT342H1/ LAT343H1**Exclusion:** LAT330H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**LAT443H1 - Latin Prose Authors II****Hours:** 48S

Advanced readings from Latin prose authors (e. g. biography, letters, philosophy).

Prerequisite: One FCE in the LAT 300-series**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**LAT450H1 - Latin Epic II****Hours:** 48S

Advanced readings from one or more Latin epics, including Virgil.

Prerequisite: One FCE in the LAT 300-series**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

LAT451H1 - Latin Drama II

Hours: 48S

Advanced readings from Latin comedy and/or tragedy.

Prerequisite: One FCE in the LAT 300-series

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

LAT452H1 - Latin Satire II

Hours: 48S

Advanced readings from one or more Latin satirists.

Prerequisite: One FCE in the LAT 300-series

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

LAT453H1 - Latin Verse Authors II

Hours: 48S

Advanced readings from Latin verse (e. g. elegy, lyric, bucolic).

Prerequisite: One FCE in the LAT 300-series

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Computer Science

Faculty List

University Professor Emeritus

S. Cook, SM, PhD, FRS, FRSC
G. Hinton, PhD, FRS, FRSC

Professors Emeriti

R. Baeker, MSc, PhD
D. Corneil, MA, PhD
J. Danahy, MScUrb & DesPl
W. Enright, MSc, PhD (University of Toronto Scarborough)
E. Fiume, PhD, FRSC
E. Hehner, MSc, PhD
R.C. Holt, PhD
H. Levesque, MSc, PhD, FRSC
R. Mathon, MSc, PhD (University of Toronto Mississauga)
J. Mylopoulos, MSc, PhD, FRSC
R. Neal, PhD
C. Rackoff, PhD (University of Toronto Mississauga)
D. Wortman, MSc, PhD

Senior Lecturer Emeritus

J. Clarke, MSc, PhD

University Professor

A. Borodin, MSc, PhD, FRSC

Professor and Chair of the Department

R. Balakrishnan, MSc, PhD

Associate Professor and Associate Chair (Research)

Y. Ganjali, MSc, PhD

Associate Professor and Associate Chair (Graduate Studies)

A. Demke-Brown, MSc, PhD

Associate Professor, Teaching Stream and Associate Chair (Undergraduate Studies)

M. Craig, MSc

Professors

T. Abdelrahman, MSc, PhD
A. Aspuru-Guzik, PhD
F. Bacchus, MSc, PhD
R. Balakrishnan, MSc, PhD
M. Brudno, MSc, PhD
M. Chechik, MSc, PhD
E. de Lara, MSc, PhD
S. Dickinson, MSc, PhD
S. Easterbrook, PhD
F. Ellen, MMath, PhD
D. Fleet, MSc, PhD (University of Toronto Scarborough)
A. Gupta, PhD
V. Hadzilacos, PhD (University of Toronto Scarborough)
G. Hirst, MSc, PhD (University of Toronto Scarborough)
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P. Marbach, MSc, PhD
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G. Penn, MSc, PhD
T. Pitassi, MSc, PhD

K. Singh, MSc, PhD
S. Stevenson, MSc, PhD
S. Toueg, MA, PhD
R. Zemel, MSc, PhD

Associate Professors

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C. Christara, MSc, PhD
A. Demke-Brown, MSc, PhD
A. Farzan, PhD
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B. Schroeder, MSc, PhD (University of Toronto Scarborough)
K. Truong, PhD
R. Urtasun, PhD
D. Wigdor, MSc, PhD (University of Toronto Mississauga)

Assistant Professors

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J. Ba, PhD
F. Chevalier, PhD
D. Duvenaud, PhD
M. Erdogan, PhD
S. Fidler, PhD
M. Ghassemi, PhD
R. Grosse, PhD
A. Jacobson, PhD
D. Levin, PhD
F. Long, PhD
A. Nikolov, PhD
G. Pekhimenko, PhD (University of Toronto Scarborough)
B. Rossman, PhD
S. Sachdeva, PhD (University of Toronto Mississauga)
N. Shah, PhD
Y. Xu, PhD
H. Yuen, PhD

Associate Professors, Teaching Stream

G. Baumgartner, MSc
J. Campbell, MMath
M. Craig, MSc
S. Engels, MMath
T. Fairgrieve, MSc, PhD
P. Gries, MEng
D. Heap, MSc
D. Horton, MSc
F. Pitt, MSc, PhD
K. Reid, MSc

Assistant Professors, Teaching Stream

D. Liu, MSc
J. Smith, MSc

Cross Appointed

C. Amza, PhD
P. Andritsos, PhD
G. Bader, PhD
T. Barfoot, PhD
C. Beck, PhD
M. Chignell, PhD
M. Consens, PhD
B. Frey, PhD
A. Goel, PhD
M. Gruninger, PhD
A. Jacobsen, MSc, PhD
P. Kim, PhD
B. Li, MSc, PhD
D. Lie, PhD
J. Liebeherr, PhD
K. Lyons, MSc, PhD
E. Mendelsohn, MSc, PhD (Professor Emeritus) (University of

Toronto Scarborough)
A. Mihailidis, PhD
Q. Morris, PhD
A. Moses, PhD
C. Munteanu, PhD
F. Roth, PhD
D. Roy, PhD
S. Sanner, PhD
M. Stumm, MSc (Math), PhD
A. Urquhart, MA, PhD (Professor Emeritus)
A. Veneris, MSc, PhD
E. Yu, MSc, PhD
D. Yuan, PhD
Z. Zhang, PhD

Adjunct and Status Only

A. Borgida, PhD
C. Boutilier, PhD
B. Buxton, MSc
A. Fazley, PhD
G. Gibson, PhD
B. Glavic, PhD
A. Goldenberg, PhD
M. Grech, MBA
B. Haibe-Kains, PhD
A. Hertzmann, PhD
M. Hoffman, PhD
R. Johnson, PhD
I. Jurisica, PhD
G. Lakemeyer, PhD
C. Landreth, MS
K. Larson, PhD
D. Penny, PhD
K. Pu, PhD
F. Rudzicz, PhD
P. Salvini, PhD
R. Schmidt, PhD
J. Simpson, PhD
J. Stam, PhD
B. Taati, PhD
T. Topalouglou, PhD
J. Tsotsos, PhD

Introduction

What is Computer Science?

Despite the name, Computer Science is not really a science of computers at all. Computers are quite remarkable electronic devices, but even more remarkable is what they can be made to do: simulate the flow of air over a wing, manage communication over the Internet, control the actions of a robot, synthesize realistic images, play grandmaster-level chess, and on and on. Indeed the application of computers in activities like these has affected most areas of modern life. What these tasks have in common has little to do with the physics or electronics of computers; what matters is that they can be formulated as some sort of computation. This is the real subject matter of Computer Science: computation, and what can or cannot be done computationally.

In trying to make sense of what we can get a computer to do, a wide variety of topics come up. There are, however, two recurring themes. The first is the issue of scale: how big a system can we specify without getting lost in the design, or how big a task can a computer handle within reasonable bounds of time, memory, and accuracy. A large part of Computer Science deals with these questions in one form or another. In the area of programming languages and methodology, for example, we look for notations for describing computations, and programming methodologies that facilitate the production of manageable and efficient software. In the

theory of computation area, we study resource requirements in time and memory of many basic computational tasks.

The second theme concerns the scope of computation. Computers were originally conceived as purely numerical calculators, but today, we tend to view them much more broadly. Part of Computer Science is concerned with understanding just how far computational ideas can be applied. In the area of artificial intelligence, for example, we ask how much of the intelligent behaviour of people can be expressed in computational terms. In the area of human-computer interaction, we ask what sorts of normal day-to-day activities of people might be supported and augmented using computers.

Some Computer Science courses are offered in the evening, to allow part-time students to pursue our programs. Introductory courses and some higher-level courses are offered in the summer.

The Professional Experience Year Co-op Program (PEY Co-op) offers students the opportunity to gain valuable work experience in industry, over a twelve to sixteen-month period. It is available to eligible, full-time students. Students may also take advantage of the International Exchange Program offered by CIE. Please refer to the [Student Services & Resources](#) chapter of this Calendar.

Academic Advisors, Undergraduate Office: Bahen Building, 40 St. George Street, Rooms 4290, M5S 2E4 (416-978-6360 or 416-946-8870), email: ug@cs.utoronto.ca.

Web site: web.cs.toronto.edu

Computer Science Programs

Data Science Specialist (Science Program) - ASSPE1687

Description:

The field of Data Science is a combination of statistics and computer science methodologies that enable 'learning from data'. A data scientist extracts information from data, and is involved with every step that must be taken to achieve this goal, from getting acquainted with the data to communicating the results in non-technical language. The Data Science Specialist program prepares students for work in the Data Science industry or government and for graduate studies in Data Science, Computer Science, or Statistics. Students in the program will benefit from a range of advanced courses in Computer Science and Statistics offered by the University of Toronto, as well as from a sequence of three integrative courses designed especially for the program.

The Data Science Specialist program comprises three fundamental and highly-integrated aspects. First, students will acquire expertise in statistical reasoning, methods, and inference essential for any data analyst. Seconds, students will receive in-depth training in computer science: the design and analysis of algorithms and data structures for handling large amounts of data, and best practices in software design. Students will receive training in machine learning, which lies at the intersection of computer and statistical sciences. The third aspect is the application of computer science and statistics to produce analyses of complex, large-scale datasets, and the communication of the results of these analyses; students will receive

training in these areas by taking integrative courses that are designed specifically for the Data Science Specialist program. The courses involve experiential learning: students will be working with real large-scale datasets from the domain of business, government, and/or science. The successful student will combine their expertise in computer and statistical science to produce and communicate analyses of complex large-scale datasets.

Skills that graduates of the program will acquire include proficiency in statistical reasoning and computational thinking; data manipulation and exploration, visualization, and communication that are required for work as a data scientist; the ability to apply statistical methods to solve problems in the context of scientific research, business, and government; familiarity and experience with best practices in software development; and knowledge of current software infrastructure for handling large data sets. Graduates of the program will be able to demonstrate the ability to apply machine learning algorithms to large-scale datasets that arise in scientific research, government, and business; create appropriate data visualizations for complex datasets; identify and answer questions that involve applying statistical methods or machine learning algorithms to complex data, and communicating the results; present the results and limitations of a data analysis at an appropriate technical level for the intended audience.

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a certain number of students. Eligibility is based on the average of a student's grades in CSC148H1 and MAT137Y1/ MAT157Y1 and STA130H1. (MAT157Y1 grades will be adjusted to account for the course's greater difficulty.)

In addition, students must have completed at least 4.0 FCEs and achieved a minimum grade of 70% in each of CSC148H1, MAT137Y1/ MAT157Y1 and STA130H1.

It is difficult to predict the minimum average required for admission in any given year as it depends on the current capacity of the program and the pool of applicants.

Note that students admitted to the program after second or third year will be required to pay retroactive program fees.

Completion Requirements:

(13.0-13.5 Full Course Equivalents [FCEs], including at least 1.5 FCEs at the 400-level)

First year (3.0 FCEs)

MAT137Y1/ MAT157Y1; MAT223H1/ MAT240H1 (MAT240H1 is recommended); STA130H1; CSC108H1; CSC148H1;

Note: Students with a strong background in an object-oriented language such as Python, Java or C++ may omit CSC108H1 and proceed directly with CSC148H1. There is no need to replace the missing half-credit for program completion; however, please base your course choice on what you are ready to take, not on "saving" a half-credit. Consult with the Computer Science Undergraduate Office for advice on choosing between CSC108H1 and CSC148H1.

Second year (3.5-4.0 FCEs)

MAT237Y1/ MAT257Y1; STA257H1; STA261H1; CSC207H1; (CSC165H1, CSC236H1)/ CSC240H1 (CSC240H1 is recommended); JSC270H1 (Data Science I)

Note: CSC240H1 is an accelerated and enriched version of CSC165H1 plus CSC236H1, intended for students with a strong mathematical background, or who develop an interest after taking CSC165H1. If you take CSC240H1 without CSC165H1, there is no need to replace the missing half-credit for program completion;

however, please base your course choice on what you are ready to take, not on "saving" a half-credit. Consult the Computer Science Undergraduate Office for advice on choosing between CSC165H1 and CSC240H1.

Later years (6.5 FCEs)

1. STA302H1; one of STA303H1 or STA305H1; STA355H1; CSC209H1; CSC263H1/ CSC265H1 (CSC265H1 is recommended); CSC343H1; CSC373H1; JSC370H1 (Data Science II)
2. STA314H1/ CSC311H1/ CSC411H1;
3. 2.0 FCEs from the following list, including at least 1.0 FCE at the 400 level (see below for additional conditions): STA303H1/ STA305H1 (whichever one was not taken previously), STA347H1, CSC401H1, STA414H1/ CSC412H1, CSC413H1/ CSC421H1, any 400-level STA course; JSC470H1 (Data Science III).

The choices from 3 must satisfy the requirement for an integrative, inquiry-based activity by including at least 0.5 FCE from the following: JSC470H1 (Data Science III); CSC454H1, CSC490H1, CSC491H1, CSC494H1, CSC495H1, STA490Y1, STA496H1, STA497H1, STA498Y1, STA499Y1. This requirement may also be met by participating in the PEY Co-op (Professional Experience Year Co-op) program.

Students will be advised to develop domain expertise in at least one area where Data Science is applicable, by taking a sequence of courses in that area throughout their program. Examples of such areas will be provided to students by program advisors and will form the basis for a later proposal for program Focuses (to be approved through internal Arts & Science governance procedures).

Computer Science Specialist (Science Program) - ASSPE1689

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a certain number of students. Eligibility is based on the average of a student's grades in CSC148H1 and CSC165H1/ CSC240H1 (where CSC240H1 grades are adjusted to account for the course's greater difficulty). In addition, students must have completed at least 4.0 FCEs and achieved a minimum grade of 70% in both CSC148H1 and CSC165H1/ CSC240H1.

It is difficult to predict the minimum average required for admission in any given year. For more information, including some historical data, please visit <http://web.cs.toronto.edu/program/ugrad/admission.htm>.

Note:

- Students admitted to the program after second or third year will be required to pay retroactive deregulated program fees.
- 100-level courses repeated as "extra" credits are not considered for program admission if a student has already passed specific 200-level CSC courses. For full details about repeating courses for admission to Computer Science, visit <http://web.cs.toronto.edu/program/ugrad/admission.htm>.

Completion Requirements:

(12.0 full course equivalents [FCEs], including at least 1.5 FCEs at the 400-level)

First year (2.5 FCEs):

1. CSC108H1, CSC148H1, CSC165H1/ CSC240H1; MAT137Y1/ MAT157Y1/ (MAT135H1, MAT136H1)

Notes:

- a. Students with a strong background in an object-oriented language such as Python, Java or C++ may omit CSC108H1 and proceed directly with CSC148H1. There is no need to replace the missing half-credit for program completion; however, please base your course choice on what you are ready to take, not on "saving" a half-credit.
- b. CSC240H1 is an accelerated and enriched version of CSC165H1 plus CSC236H1, intended for students with a strong mathematical background, or who develop an interest after taking CSC165H1. If you take CSC240H1 without CSC165H1, there is no need to replace the missing half-credit for program completion; but please see Note (a).
- c. Consult the department's Undergraduate Office for advice about choosing among CSC108H1 and CSC148H1, and between CSC165H1 and CSC240H1.
- d. We recommend that students take MAT137Y1 or MAT157Y1, as they have been determined to provide the best preparation for upper-year courses in computer science and benefit students in CSC165H1/ CSC240H1. Similarly, we recommend MAT223H1 or MAT240H1 from the options in second year.

Second year (3.5 FCEs):

2. CSC207H1, CSC209H1, CSC236H1/ CSC240H1, CSC258H1, CSC263H1/ CSC265H1; MAT223H1/ MAT240H1/ MAT221H1; STA247H1/ STA255H1/ STA257H1

Later years (6.0 FCEs):

3. CSC369H1, CSC373H1

4. 5.0 FCEs from the following:

- Any 300-/400-level CSC course;
- BCB410H1, BCB420H1, BCB330Y1/ BCB430Y1;
- ECE385H1, ECE489H1;
- MAT224H1/ MAT247H1, MAT235Y1/ MAT237Y1/ MAT257Y1, any 300-/400-level MAT course except MAT329Y1, MAT390H1, MAT391H1;
- STA248H1/ STA261H1, any 300-/400-level STA course

with at most 2.0 FCEs from APM or MAT or STA courses, and at least 1.5 FCEs from 400-level CSC, BCB, or ECE courses.

No more than 1.0 FCE from CSC490H1, CSC491H1, CSC494H1, CSC495H1, BCB330Y1/ BCB430Y1 may be used to fulfill program requirements.

The choices in 4 must satisfy the requirement for an integrative, inquiry-based activity by including one of the following half-courses: CSC301H1, CSC318H1, CSC404H1, CSC311H1/ CSC411H1, CSC418H1, CSC420H1, CSC428H1, CSC454H1, CSC485H1,

CSC490H1, CSC491H1, CSC494H1, CSC495H1. This requirement may also be met by participating in the PEY (Professional Experience Year) program. Transfer credits cannot comprise more than 1.0 FCE at the 300-/400-level, and cannot be used to satisfy the requirement for an integrative, inquiry-based activity. In addition, transfer credits cannot comprise more than 0.5 FCE of the 400-level CSC, BCB, or ECE courses required.

Choosing courses

This program offers considerable freedom to choose courses at the 300-/400-level, and you are free to make those choices on your own. We are eager to offer guidance, however, and both our Undergraduate Office and individual faculty members are a rich source of advice.

Focus in Artificial Intelligence - ASFOC1689B

Description:

(3.5 FCEs)

Artificial Intelligence (AI) is aimed at understanding and replicating the computational processes underlying intelligent behaviour. These behaviours include the perception of one's environment, learning how that environment is structured, communicating with other agents, and reasoning to guide one's actions. This focus is designed to provide students with an introduction to some of the key scientific and technical ideas that have been developed in AI. There are four different sub-areas of AI represented in our department: Computer Vision, Computational Linguistics, Machine Learning, and Knowledge Representation and Reasoning. These areas cover a wide variety of ideas and techniques. Students wanting to achieve this focus are required to take courses from at least two of these sub-areas (as in point 2, below).

Enrolment Requirements:

Enrolment in the Computer Science Specialist Program (ASSPE1689).

Completion Requirements:**Required Courses:**

1. 1.0 FCE from the following: CSC336H1, MAT235Y1/ MAT237Y1/ MAT257Y1, APM236H1, MAT224H1/ MAT247H1, STA248H1/ STA261H1, STA302H1, STA347H1
2. 2.5 FCEs from the following, so that courses are from at least two of the four areas:
 - a. CSC401H1, CSC485H1
 - b. CSC320H1, CSC420H1
 - c. CSC413H1/ CSC421H1/ CSC321H1, CSC311H1/ CSC411H1, CSC412H1
 - d. CSC304H1, CSC384H1, CSC486H1

Suggested Related Courses:

CSC324H1, COG250Y1, PSY270H1, PHL232H1, PHL342H1

Focus in Computational Linguistics and Natural Language Processing - ASFOC1689C

Description:

(4.0 FCEs)

How can we build and analyze systems that enable users to communicate with computers using human language (also called natural language) and automatically process the vast amounts of data on the web available in the form of text? The focus covers appropriate material on natural language interfaces, as well as tools such as document summarization, intelligent search over the web, and so on. Students considering this focus are encouraged to consider a Major in Linguistics. [Note 0.5 FCE in LIN is in addition to the 12.0 FCEs required to complete the Specialist program]

Enrolment Requirements:

Enrolment in the Computer Science Specialist Program (ASSPE1689).

Completion Requirements:

Required Courses:

1. [CSC318H1](#)
2. [CSC401H1](#), [CSC485H1](#)
3. [LIN101H1](#)/ [LIN200H1](#)
4. 1.5 FCEs from the following: [CSC309H1](#), [CSC413H1](#)/ [CSC421H1](#)/ [CSC321H1](#), [CSC311H1](#)/ [CSC411H1](#), [CSC428H1](#), [CSC486H1](#)
5. 0.5 FCE from the following: [PSY100H1](#), [COG250Y1](#)

Suggested Related Courses:

Other relevant Computer Science courses, depending on the student's interests, include other courses in artificial intelligence such as [CSC384H1](#) or [CSC420H1](#). Linguistics, Psychology, and Cognitive Science are all directly relevant to this focus, and we recommend that interested students take additional courses from any or all of those disciplines.

Focus in Computer Systems - ASFOC1689F

Description:

(3.5 FCEs)

Software systems are complex and interesting. Poorly done systems can be incredibly expensive: they can cost society billions of dollars and sometimes make the difference between life and death. Rapid changes in technology and applications means that the underlying systems must continually adapt. This focus takes you under the covers of software systems, laying bare the layers and introducing you to concurrency issues, scalability, multiprocessor systems, distributed computing, and more.

Enrolment Requirements:

Enrolment in the Computer Science Specialist Program (ASSPE1689).

Completion Requirements:

Required Courses:

1. [CSC343H1](#), [CSC367H1](#), [CSC469H1](#)
2. 1.0 FCE from the following: [CSC358H1](#), [CSC443H1](#), [CSC458H1](#)
3. 1.0 FCE from the following: [CSC358H1](#)/ [CSC458H1](#) (if not taken in list 2), [CSC324H1](#), [CSC385H1](#), [CSC488H1](#)

Suggested Related Courses:

1. [CSC301H1](#), [CSC309H1](#), [CSC410H1](#)
2. Relevant courses offered at UTM: [CSC347H5](#), [CSC423H5](#), [CSC427H5](#)
3. Relevant courses offered by Engineering: [ECE454H1](#), [ECE568H1](#)

Focus in Computer Vision - ASFOC1689D

Description:

(3.5 FCEs)

Computer vision is the science and technology of machines that can see. As a science, the goal of computer vision is to understand the computational processes required for a machine to come to an understanding of the content of a set of images. The data here may be a single snapshot, a video sequence, or a set of images from different viewpoints or provided by medical scanners.

The computer vision focus introduces students to the study of vision from a computational point of view. That is, we attempt to clearly define computational problems for various steps of the overall process, and then show how these problems can be tackled with appropriate algorithms.

Students who wish to pursue computer vision should have an understanding of linear algebra and calculus of several variables. Moreover, they should be solid programmers and have a good understanding of data structures and algorithm design. These basic tools are required in order to first pose computational vision problems, and then develop and test algorithms for the solution to those problems.

Enrolment Requirements:

Enrolment in the Computer Science Specialist Program (ASSPE1689).

Completion Requirements:

Required Courses:

1. [MAT235Y1](#)/ [MAT237Y1](#)/ [MAT257Y1](#), [CSC320H1](#), [CSC336H1](#), [CSC311H1](#)/ [CSC411H1](#), [CSC420H1](#)

2. 0.5 FCE from the following: CSC412H1, CSC418H1, CSC2503H (Note: students must petition to take a graduate course.)

Suggested Related Courses:

The following are examples of topics and courses that fit naturally with a study of computational vision. The list is meant to be illustrative of the range of cognate topics, but is not necessarily complete. The ordering is alphabetical and not indicative of importance. Note: there are prerequisites for many of these courses that we do not list here.

APM462H1, COG250Y1, CSC384H1, CSC485H1, CSC486H1, ECE216H1, PHL232H1, PHY385H1, PSL440Y1, PSY270H1, PSY280H1, STA257H1/ STA261H1

Focus in Game Design - ASFOC1689G

Description:

(3.0 FCEs)

Video game design combines several disciplines within computer science, including software engineering, graphics, artificial intelligence, and human-computer interaction. It also incorporates elements of economics, psychology, music, and creative writing, requiring video game researchers to have a diverse, multidisciplinary set of skills.

Students who wish to pursue video game design should have an understanding of linear algebra (for computer graphics modelling), computer hardware and operating systems (for console architecture), data structures, and algorithm design. Students will gain a general knowledge of the more advanced topics listed in the courses below.

Enrolment Requirements:

Enrolment in the Computer Science Specialist Program (ASSPE1689).

Completion Requirements:

Required courses:

1. CSC300H1, CSC301H1, CSC318H1, CSC384H1, CSC418H1, CSC404H1

Suggested Related Courses:

1. CSC303H1, CSC304H1, CSC358H1, CSC458H1, CSC428H1
2. MUS300H1, CIN212H1/ INI222H1, CIN432H1/ INI465H1, ENG235H1
3. ECO326H1, RSM482H1/MGT2056H

Focus in Human-Computer Interaction - ASFOC1689H

Description:

(6.5 FCEs)

Human-Computer Interaction (HCI) is the scientific study of the use of computers by people and the design discipline that informs the creation of systems and software that are useful, usable, and enjoyable for the people who use them. HCI students have exciting opportunities for research and graduate school; HCI professionals often have jobs with titles such as user interface architect, user interface specialist, interaction designer, or usability engineer. [Note 3.5 FCEs in SOC & PSY are in addition to the 12.0 FCEs required to complete the Specialist program]

Enrolment Requirements:

Enrolment in the Computer Science Specialist Program (ASSPE1689).

Completion Requirements:

Required Courses:

1. CSC300H1, CSC301H1, CSC318H1, CSC428H1 (SOC100H1, SOC150H1)/ SOC101Y1, SOC202H1, SOC204H1/ SOC200H1, SOC252H1/ SOC254H1/ SOC302H1 [To enrol in restricted SOC courses, please contact the CS Undergraduate Office in the July preceding the academic year in which you plan to take the course]
2. 1.0 FCE from the following: CSC309H1, CSC320H1, CSC321H1, CSC343H1, CSC384H1, CSC401H1, CSC404H1, CSC418H1, CSC485H1, CSC490H1/491H1
4. PSY100H1, PSY270H1/ PSY280H1

Suggested Related Courses:

1. CSC454H1, CSC290H1
2. At least one half-course in Human Factors or Ergonomics offered by the Department of Mechanical and Industrial Engineering, such as MIE240H1, MIE343H1, MIE344H1, MIE448H1, or MIE449H1. Human factors is a discipline closely associated with human-computer interaction that approaches problems in slightly different ways.
3. ENV281H1, ENV381H1
4. IRE260H1

Focus in Scientific Computing - ASFOC1689A

Description:

(3.5 FCEs)

Scientific computing studies the world around us. Known and unknown quantities are related through certain rules, e.g. physical laws, formulating mathematical problems. These problems are solved by numerical methods implemented as algorithms and run on computers. The numerical methods are analyzed and their performance (e.g. accuracy, efficiency) studied. Problems, such as choosing the optimal shape for an airplane (to achieve, for example, minimal fuel consumption), finding the fair price for derivative

products of the market, or regulating the amount of radiation in medical scans, can be modelled by mathematical expressions and solved by numerical techniques.

Students wishing to study scientific computing should have a strong background in mathematics—in particular calculus of several variables, linear algebra, and statistics—be fluent in programming, and have a good understanding of data structures and algorithm design.

Enrolment Requirements:

Enrolment in the Computer Science Specialist Program (ASSPE1689).

Completion Requirements:

Required Courses:

1. MAT235Y1/ MAT237Y1/ MAT257Y1,
2. 1.5 FCEs from the following: CSC336H1, CSC436H1, CSC446H1, CSC456H1, CSC466H1
3. 1.0 FCE from the following: CSC320H1/ CSC418H1, CSC311H1/ CSC411H1, CSC343H1, CSC384H1, CSC358H1/ CSC458H1

Suggested Related Courses:

- CSC367H1
- MAT224H1/ MAT240H1/ MAT247H1, MAT334H1/ MAT354H1, MAT337H1/ MAT357H1

It is also recommended that students in this focus consider taking a half-course or two from the basic sciences (such as physics, chemistry, biology), as these sciences are the source of many problems solved by numerical techniques.

Focus in Theory of Computation - ASFOTC1689I

Description:

(5.5 FCEs)

Why is it easy to sort a list of numbers, but hard to break Internet encryption schemes? Is finding a solution to a problem harder than checking that a solution is correct? Can we find good approximate solutions, even when the exact solutions seem out of reach? Theory of Computation studies the inherent complexity of fundamental algorithmic problems. On one hand, we develop ground-breaking efficient data structures and algorithms. On the other, we have yet to develop good algorithms for many problems despite decades of effort, and for these problems we strive to prove no time- or space-efficient algorithms will ever solve them. While the field has seen some successful impossibility results, there are still many problems (such as those underlying modern cryptography and security) for which we do not know either efficient algorithms or strong lower bounds!

This focus takes a rigorous, mathematical approach to computational problem-solving: students will gain a deep understanding of algorithm paradigms and measures of problem complexity, and develop the skills necessary to convey abstract ideas with precision and clarity. Many of our students go on to graduate studies and sophisticated algorithmic work in industry. This

focus has natural ties with many branches of mathematics and is the foundation of many computer science fields. Consequently, our students often apply their theoretical knowledge to other fields of interest.

We strongly encourage taking the enriched theory courses (CSC240H1, CSC265H1) as well as specialist/major versions of the MAT requirements for our focus. [Depending on courses selected for points 3 & 4, students may need to complete 0.5–1.0 FCE in addition to the 12.0 FCEs required to complete the Specialist program.]

Enrolment Requirements:

Enrolment in the Computer Science Specialist Program (ASSPE1689).

Completion Requirements:

Required Courses:

1. MAT137Y1/ MAT157Y1/ MAT237Y1 (Note: If MAT237Y1 is used here, it cannot be counted as part of the 2.0 FCEs for point 4, below.)
2. CSC463H1
3. 2.0 FCEs from the following: CSC304H1, CSC336H1, CSC438H1, CSC448H1, CSC473H1; MAT309H1, MAT332H1, MAT344H1; at UTM: MAT302H5; graduate courses: CSC2221H1, CSC2401H1, CSC2410H1, CSC2412H1, CSC2420H1, CSC2421H1, CSC2426H1, CSC2451H1, CSC2556H1 (note that students must petition to take a graduate course)
4. 2.0 FCEs from the following: APM236H1/ MIE262H1, MIE263H1, APM421H1, APM461H1, MAT224H1/ MAT247H1, MAT237Y1/ MAT257Y1, MAT244H1/ MAT267H1, MAT301H1/ MAT347Y1, MAT315H1, MAT327H1, MAT334H1/ MAT354H1, MAT335H1, MAT337H1/ MAT357H1, any 400-level MAT course, STA248H1/ STA261H1, STA347H1

Notes:

1. Students who complete an independent study project (CSC494H1/ CSC495H1) under the supervision of a faculty member from the Theory group may request to substitute one of CSC494H1/ CSC495H1 for one of the courses in list 3 above. This request must be made directly to the department's Undergraduate Office.
2. Students who complete a graduate Topics course in Theory may request to count it towards the completion of list 3 above. This request must be made directly to the department's Undergraduate Office.

Recommended Courses:

1. Students are strongly encouraged to take the enriched theory courses: CSC240H1 and CSC265H1, rather than their regular counterparts: CSC165H1/ CSC236H1 and CSC263H1, respectively.

Focus in Web and Internet Technologies - ASFOC1689J

Description:

(3.5 FCEs)

The Web and Internet Technologies focus introduces students to the systems and algorithms that power today's large-scale web and Internet applications such as search engines, social networking applications, web data mining applications, and content distribution networks. The focus covers the algorithm foundations of web and internet technologies, as well as implementation and system architecture.

Students who wish to pursue the Focus in Web and Internet Technologies should have a solid understanding of statistics, be good programmers, and have a good understanding of data structures and algorithm design.

To get practical experience, students pursuing the web and Internet technologies focus are encouraged to do either a term project or a summer USRA project in web and internet technologies.

Enrolment Requirements:

Enrolment in the Computer Science Specialist Program (ASSPE1689).

Completion Requirements:

Required courses:

1. STA248H1/STA261H1, CSC309H1, CSC343H1, CSC358H1, CSC458H1, CSC311H1/ CSC411H1
2. 0.5 FCE from the following: CSC367H1, CSC443H1, CSC469H1

Suggested Related Courses:

1. Courses offered at UTM: CSC347H5, CSC423H5, CSC427H5
2. ECE568H1
3. ENV281H1, ENV381H1

Computer Science Major (Science Program) - ASMAJ1689

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a certain number of students. Eligibility is based on the average of a student's grades in CSC148H1 and CSC165H1/ CSC240H1 (where CSC240H1 grades are adjusted to account for the course's greater difficulty). In addition, students must have completed at least 4.0 FCEs and achieved a minimum grade of 70% in both CSC148H1 and CSC165H1/ CSC240H1.

It is difficult to predict the minimum average required for admission in any given year. For more information, including some historical data, please visit <http://web.cs.toronto.edu/program/ugrad/admission.htm>.

Note:

- Students admitted to the program after second or third year will be required to pay retroactive deregulated program fees.
- 100-level courses repeated as "extra" credits are not considered for program admission if a student has already passed specific 200-level CSC courses. For full details about repeating courses for admission to Computer Science, visit <http://web.cs.toronto.edu/program/ugrad/admission.htm>.

Completion Requirements:

(8.0 full course equivalents [FCEs], including at least 0.5 FCE at the 400-level)

First year (2.5 FCEs):

1. CSC108H1, CSC148H1, CSC165H1/ CSC240H1; MAT137Y1/ MAT157Y1/(MAT135H1, MAT136H1)

Notes:

- a. Students with a strong background in an object-oriented language such as Python, Java or C++ may omit CSC108H1 and proceed directly with CSC148H1. [There is no need to replace the missing half-credit for program completion; however, please base your course choice on what you are ready to take, not on "saving" a half-credit].
- b. CSC240H1 is an accelerated and enriched version of CSC165H1 plus CSC236H1, intended for students with a strong mathematical background, or who develop an interest after taking CSC165H1. If you take CSC240H without CSC165H1, there is no need to replace the missing half-credit for program completion; but please see Note (a).
- c. Consult the Undergraduate Office for advice about choosing among CSC108H1 and CSC148H1, and between CSC165H1 and CSC240H1.
- d. We recommend that students take MAT137Y1 or MAT157Y1, as they have been determined to provide the best preparation for upper-year courses in computer science and benefit students in CSC165H1/ CSC240H1. Similarly, we recommend MAT223H1 or MAT240H1, if students choose one of these options in their later years.

Second year (2.5 FCEs):

2. CSC207H1, CSC236H1/ CSC240H1, CSC258H1, CSC263H1/ CSC265H1; STA247H1/ STA255H1/ STA257H1

Later years (3.0 FCEs):

3. 3.0 FCEs from the following:

- Any 200-/300-/400-level CSC course;
- BCB410H1, BCB420H1, BCB330Y1/ BCB430Y1;
- ECE385H1, ECE489H1;
- MAT223H1/ MAT240H1/ MAT221H1, MAT235Y1/ MAT237Y1/ MAT257Y1, any 300-/400-level MAT course except MAT329Y1, MAT390H1, MAT391H1

with at least 0.5 FCE from a 400-level CSC/BCB course, at least 1.0 additional FCE from 300-/400-level CSC/BCB/ECE courses, and at least 0.5 additional FCE from a 300-/400-level course.

No more than 1.0 FCE from CSC490H1, CSC491H1, CSC494H1, CSC495H1, BCB330Y1/ BCB430Y1 may be used to fulfill program requirements.

The choices in 3 must satisfy the requirement for an integrative, inquiry-based activity by including one of the following half-courses: CSC301H1, CSC318H1, CSC404H1, CSC311H1/ CSC411H1, CSC418H1, CSC420H1, CSC428H1, CSC454H1, CSC485H1, CSC490H1, CSC491H1, CSC494H1, CSC495H1. This requirement may also be met by participating in the PEY (Professional Experience Year) program. Transfer credits cannot comprise more than 1.0 FCE at the 300-/400-level, and cannot be used to satisfy the requirement for an integrative, inquiry-based activity. In addition, transfer credits cannot be used to satisfy the requirement for 0.5 FCE at the 400-level in CSC/BCB.

Computer Science Minor (Science Program) - ASMIN1689

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a certain number of students. Eligibility is based on the average of a student's grades in CSC148H1 and CSC165H1/ CSC240H1 (where CSC240H1 grades are adjusted to account for the course's greater difficulty). In addition, students must have completed at least 4.0 FCEs and achieved a minimum grade of 70% in both CSC148H1 and CSC165H1/ CSC240H1.

It is difficult to predict the minimum average required for admission in any given year. For more information, including some historical data, please visit
<http://web.cs.toronto.edu/program/ugrad/admission.htm>.

Note: 100-level courses repeated as "extra" credits are not considered for program admission if a student has already passed specific 200-level CSC courses. For full details about repeating courses for admission to Computer Science, visit
<http://web.cs.toronto.edu/program/ugrad/admission.htm>.

Completion Requirements:

(4.0 full course equivalents [FCEs])

1. CSC108H1/ CSC120H1, CSC148H1, CSC165H1/ CSC240H1

Notes:

- Students with a strong background in Java or C++ may omit CSC108H1 and proceed directly with CSC148H1.
- CSC240H1 is an accelerated and enriched version of CSC165H1 plus CSC236H1, intended for students with a strong mathematical background, or who develop an interest after taking CSC165H1.
- Consult the Undergraduate Office for advice about choosing among CSC108H1 and CSC148H1, and between CSC165H1 and CSC240H1.

2. CSC207H1, CSC236H1/ CSC240H1

(Total of above requirements: 2.5 FCEs. If you take fewer than 2.5 FCEs, you must take more than 1.5 FCEs from the next list, so that the total is 4.0 FCEs.)

3. 1.5 FCEs from the following list, of which at least 1.0 FCE must be at the 300-/400-level:

- CSC: any 200-/300-/400-level

Note:

- Computer Science Minors are limited to three 300-/400-level CSC/ECE half-courses.
- Transfer credits cannot comprise more than 0.5 FCE at the 300-/400-level.

Advice on choosing courses towards a Major in Computer Science

A Major program in any discipline may form part (but not the whole) of your degree requirements. The Major program in Computer Science is designed to include a solid grounding in the essentials of Computer Science, followed by options that let you explore one or a few topics more deeply. You will also realize what areas you have not studied, and be ready to explore them if your interests change after completing the Major.

To give you freedom to choose your path through Computer Science, we have designed the Major to include a minimal set of required courses. There are some courses that we think you ought to consider carefully as you make those choices. CSC373H1 is fundamental to many more advanced Computer Science topics, where designing appropriate algorithms is central. CSC209H1 is a prerequisite to effective work in many application areas.

We have designed "packages" of related courses that are intended to accompany the Specialist program in Computer Science, and you may find them helpful in completing your Major too. Please see our web site at <http://web.cs.toronto.edu/program/ugrad.htm>

A significant role of the Major is to allow you to integrate your studies in Computer Science and another discipline. For example, many Computer Science students are also interested in statistics, economics, physics or mathematics. In those cases, it makes sense to enrol in a Major in one discipline and either a Major or a Specialist in the other. If your interests are evenly balanced, the obvious choice is to do two Majors, and that is what we assume here.

If you are doing a double Major (two Majors in related disciplines), you might want to consult your college registrar's office for advice on satisfying the degree requirements with overlapping Majors. A number of sample combinations are listed below for your reference. This is not a complete list: many other combinations are possible.

A Major program is generally not enough to prepare you for graduate study in Computer Science, though a complete Specialist is not required. Please consult the advice about graduate study included with the description of the Specialist program in Computer Science.

CSC and Mathematics

The theoretical foundations of Computer Science are essentially a branch of mathematics, and numerical analysis (the area of CS that studies efficient, reliable and accurate algorithms for the numerical solution of continuous mathematical problems) is also a topic in applied mathematics. If you are interested in both Computer Science and Mathematics, a double major is a good choice.

In this double major, you should choose all the theoretical courses in the first three years: CSC165H1, CSC236H1, CSC263H1, CSC373H1, and CSC463H1. If the "enriched" versions are available as alternatives, you should prefer them: CSC240H1 in place of CSC165H1 and CSC236H1, and CSC265H1 in place of CSC263H1. You should also take at least one of CSC438H1, CSC448H1, CSC465H1 and CSC473H1.

You should also make sure you take courses in numerical analysis - CSC336H1 and CSC436H1, and possibly CSC446H1.

In the Major in Mathematics, you should prefer courses that are also in the Specialist program in Mathematics: MAT157Y1, MAT240H1, MAT247H1 and so on. Ask the advisors in the Department of Mathematics which courses they would recommend if you're planning a career in mathematics. Don't be afraid to admit your interest in CS.

CSC and Bioinformatics/Computational Biology

Bioinformatics is a field that came into existence only in the 1990s but has become an extremely fruitful interaction between biological scientists and computer scientists. Deciphering the genome requires not just extremely clever biology but also extremely clever computer science, drawing from the study of algorithms and data structures and from data mining.

To study bioinformatics, you should enrol in the Specialist program in Bioinformatics and Computational Biology sponsored by the Department of Biochemistry, and also in the Major in Computer Science. Your Computer Science Major should include a selection of courses something like this:

CSC373H1
CSC321H1/CSC343H1
CSC336H1/CSC436H1
BCB410H1, BCB420H1

CSC311H1

Some
of CSC310H1, CSC324H1, CSC412H1, CSC456H1, CSC463H1

You should seek advice from both the Department of Biochemistry and the Department of Computer Science on how to distribute your courses across the two programs.

CSC and Statistics

Here your Computer Science course choices should be somewhat similar to those for Computer Science and Mathematics: take the theoretical Computer Science courses up to the 300-level, and prefer the higher-level MAT and STA courses. For example, take STA257H1 and STA261H1 rather than STA247H1 and STA248H1.

Within Computer Science, take courses in numerical analysis (CSC336H1 and CSC436H1). Choose also from among information theory (CSC310H1), machine learning (CSC321H1 and CSC411H1), and natural language processing (CSC401H1).

CSC and Economics

There is considerable opportunity for mutually supporting interests in Computer Science and economics in the area of economic modelling, econometrics, and numerical analysis. In Computer Science, you might choose courses such as CSC343H1 (databases), CSC358H1 (networks), and CSC369H1 (operating systems) to acquire the technical background for working with large systems and data sets, and CSC336H1 and CSC436H1 (numerical analysis) to understand the difficulties of large numerical models.

If you are interested in financial modelling, you will also want to take CSC446H1 to learn how to handle partial differential equations; to do that, you would want to have taken the necessary mathematical courses.

Applying ideas from economics to Computer Science is a little harder, but certainly economic principles apply to databases (CSC443H1) and networks (CSC458H1). CSC358H1 discusses how to model the processes involved in computer networks and in other customer-server systems. CSC304H1 (Algorithmic Game Theory and Mechanism Design) and CSC454H1 (Business of Software) would also complement your background in economics.

CSC and Linguistics

If you are interested in both Computer Science and Linguistics, you should consider doing a Major in both. Your Major in Computer Science should focus on computational linguistics (CL), the sub-area of AI concerned with human languages ("natural languages"); researchers in this area are interested in developing programs that can "understand" and generate natural language. You should take our Computational Linguistics courses, CSC401H1 and CSC485H1. (They can be taken in either order.) As preparation, you should also take CSC324H1 (programming languages). Other courses you might find valuable are CSC384H1 (AI), CSC433H1 (databases), and the theoretical courses CSC373H1 and CSC463H1.

CSC and Physics

If you want to study Computer Science and physics, then as a physicist, you will be interested in how natural processes and human design can take us from the materials and laws of nature to useful computational machinery, and you will want to study CSC258H1 (computer organization—the way solid-state devices can be combined to build a machine that repeatedly executes instructions) and CSC369H1 (operating systems—the large software systems that organize the programs people write and run to present the appearance of a well-run self-policing machine).

As a computer scientist, you will wonder how accurately you can compute the results of calculations needed in simulating or predicting physical processes. CSC336H1 and CSC436H1 introduce you to numerical analysis, and CSC446H1 applies it to partial differential equations, used to model many physical systems.

Both a computer scientist and a physicist will wonder how to write effective programs. CSC263H1 and CSC373H1 teach you to choose appropriate data structures and algorithms, and CSC463H1 helps you to understand whether a problem is computable, and if so, whether the computation takes a reasonable amount of time.

In fourth year, you may choose CSC418H1, which depends on and also simulates the behaviour of light and mechanical systems. CSC456H1 deals with high-performance computing of the kind used in scientific computing. CSC420H1 might also be a good choice, though some preparation in artificial intelligence would be helpful for this course.

Regarding Computer Science Courses

Enrolment notes

1. The University of Toronto Mississauga and University of Toronto Scarborough Computer Science Minor subject POSts are not recognized as restricted Computer Science programs for St. George course enrolments.

2. No late registration is permitted in any Computer Science course after the first two weeks of classes. Enrolment in most Computer Science courses above 100-level MAY be restricted. Consult the [Calendar](#) or the [Arts & Science Registration Instructions and Timetable](#) for details.

3. Students not enrolled in the Computer Science Major or Specialist programs are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Prerequisites and exclusions

Prerequisites and exclusions for all courses are strictly enforced. Prerequisite waivers can be granted by instructors if the student demonstrates that s/he has background covering the material of the prerequisite course(s).

Please refer to the [Arts & Science Registration Instructions and Timetable](#) for prerequisite waiver deadlines.

Dropping down from enriched to regular courses

Students may go to their college to drop down from enriched courses to regular courses. The courses are as follows: from [CSC148H1](#) to [CSC108H1](#), from [CSC240H1](#) to [CSC165H1](#) (or to [CSC236H1](#) if you have already passed [CSC165H1](#) with at least 60%), and from [CSC265H1](#) to [CSC263H1](#). Students may only drop down if there is space in the course into which they are moving.

Drop down deadlines:

20189, Fall session: October 4, 2019

20191, Winter session: January 31, 2020

Students with transfer credits

If you have transfer credits in Computer Science, or a similar subject, for courses done at another university or college, contact our Undergraduate Office (BA4290) for advice on choosing courses. Also ask for advice even if you don't have transfer credits yet but are considering degree study at the University of Toronto. Without advice, you risk poor course choice or other adverse consequences.

First -Year Foundation Seminars

First-Year Foundation Seminars are open only to newly-admitted, Faculty of Arts & Science students (3.5 credits or less). They are full-credit or half-credit courses that focus on discussion of issues, questions and controversies surrounding a particular discipline (or several disciplines) in a small-group setting that encourages the development of critical thinking, writing skills, oral presentation and research methods. FYF seminars are as rigorous and demanding as any other first-year course and require in addition the acquisition of those skills expected of successful undergraduate students. With a maximum enrolment of 30 students each, they are an ideal way to have an enjoyable and challenging small-class experience in your first year.

First-Year Foundation Seminars:

- Count as 1.0 or 0.5 of the 20 credits required for an Hon. B.A., Hon B.Sc. or B. Com.
- Can be counted towards the breadth requirement.

Choosing first year courses

To help you select the programming course that is right for you, see http://web.cs.toronto.edu/program/ugrad/courses_ug/1st.htm

Computer Science Courses

CSC104H1 - Computational Thinking

Hours: 24L/12T

Humans have solved problems for millennia on computing devices by representing data as diverse numbers, text, images, sound and genomes, and then transforming the data. A gentle introduction to designing programs (recipes) for systematically solving problems that crop up in diverse domains such as science, literature, and graphics. Social and intellectual issues raised by computing. Algorithms, hardware, software, operating systems, the limits of computation.

Note: you may not take this course concurrently with any Computer Science course, but you may take [CSC108H1/CSC148H1](#) after [CSC104H1](#).

Exclusion: Any Computer Science course

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC108H1 - Introduction to Computer Programming

Hours: 36L

Programming in a language such as Python. Elementary data types, lists, maps. Program structure: control flow, functions, classes, objects, methods. Algorithms and problem solving. Searching, sorting, and complexity. Unit testing. No prior programming experience required.

NOTE: You may not take this course concurrently with [CSC120H1/CSC148H1](#), but you may take [CSC148H1](#) after [CSC108H1](#).

Exclusion: [CSC120H1](#), [CSC121H1](#), [CSC148H1](#)

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC120H1 - Computer Science for the Sciences

Hours: 36L/12P

An introduction to computer science for students in other sciences, with an emphasis on gaining practical skills. Introduction to programming with examples and exercises appropriate to the sciences; web programming; software tools. Topics from: database design, considerations in numerical calculation, using UNIX/LINUX systems. At the end of this course you will be able to develop computer tools for scientific applications, such as the structuring and analysis of experimental data. With some additional preparation, you will also be ready to go on to CSC148H1. Practical (P) sections consist of supervised work in the computer laboratory. No programming experience is necessary.

Exclusion: Any CSC course, with the exception of CSC104H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC148H1 - Introduction to Computer Science

Hours: 36L/24P

Abstract data types and data structures for implementing them. Linked data structures. Encapsulation and information-hiding. Object-oriented programming. Specifications. Analyzing the efficiency of programs. Recursion. This course assumes programming experience as provided by CSC108H1. Students who already have this background may consult the Computer Science Undergraduate Office for advice about skipping CSC108H1. Practical (P) sections consist of supervised work in the computing laboratory. These sections are offered when facilities are available, and attendance is required. NOTE: Students may go to their college to drop down from CSC148H1 to CSC108H1. See above for the drop down deadline.

Prerequisite: CSC108H1/(equivalent programming experience)

Exclusion: CSC207H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC121H1 - Computer Science for Statistics

Hours: 36L/12P

An introduction to computer science for students planning to use computers for statistical analysis and research. Using a statistical programming environment, fundamental programming concepts, and computational topics relevant to statistics, such as issues with numerical calculation, random number generation, and management of data. Practicals consist of supervised work in the computer laboratory to reinforce concepts and develop programming skills. No previous programming experience is necessary. Please consult with the CS Undergraduate office if you intend to continue on to CSC148H1.

Exclusion: Any CSC course, with the exception of CSC104H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC165H1 - Mathematical Expression and Reasoning for Computer Science

Hours: 36L/12T

Introduction to abstraction and rigour. Informal introduction to logical notation and reasoning. Understanding, using and developing precise expressions of mathematical ideas, including definitions and theorems. Structuring proofs to improve presentation and comprehension. General problem-solving techniques. Running time analysis of iterative programs. Formal definition of Big-Oh. Diagonalization, the Halting Problem, and some reductions. Unified approaches to programming and theoretical problems.

Corequisite: CSC108H1/ CSC120H1/(equivalent programming experience)

Exclusion: CSC236H1, CSC240H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC197H1 - What, Who, How: Privacy in the Age of Big Data Collection

Hours: 24S

The rapid advance of technology has brought remarkable changes to how we conduct our daily lives, from how we communicate, consume news and data, and purchase goods. As we increase our online activity, so too do we increase the amount of personal data that we're sharing, often without realizing it. The questions of exactly what data is being collected, who is collecting and accessing this data, and how this data is being used, have significant implications for both individuals and our larger social and political institutions. Organized by a wide variety of case studies drawn from current events, we'll study how personal data can be collected and tracked, how personal and social factors may influence our own decisions about whether and how much to share our data, and what broader political and legal tools are used to either protect or subvert individual privacy. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CSC198H1 - Computing for Science

Hours: 48L

Computational skills for the modern practice of basic and applied science. Applied computer programming with an emphasis on practical examples related to the simulation of matter, drawing from scientific disciplines including chemistry, biology, materials science, and physics. Studio format with a mixture of lecture, guided programming, and open scientific problem solving. Students will be exposed to Python numerical and data analysis libraries. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Any CSC course, except CSC104H1

Recommended Preparation: We recommend students also be enrolled in CHM151H1, PHY151H1, or another science course

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC199H1 - Intelligence, Artificial and Human

Hours: 24S

What is human intelligence? How close are we to replicating it? How productive/reductive is the brain-computer analogy? What ethical challenges are posed by AI on workers, society, and the environment? Can we put a hold on "progress"? Is Silicon Valley the seat of a new techno-religion? What can they teach us about today's research priorities? What insight (or inspiration) can we get from works of science fiction about the future of human-AI interaction? Through reading discussion, written assignment, and workshops, this seminar will present students with the opportunity to integrate their computer science interests with philosophy, history, and literature. *There is an equivalent course offered by St. Michael's College. Students may take one or the other but not both.* Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: SMC199H1 (Intelligence, Artificial and Human)

Distribution Requirements: Science

Breadth Requirements: Society and its Institutions (3)

CSC204H1 - Collaborating with Computer Scientists

Hours: 48L/24P

This course teaches the language, culture, and communication mechanisms necessary for effective collaboration on large-scale software projects involving both computer scientists and non-computer scientists. This course is intended for students with little or no computer science background.

Distribution Requirements: Humanities

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC207H1 - Software Design

Hours: 24L/12T

An introduction to software design and development concepts, methods, and tools using a statically-typed object-oriented programming language such as Java. Topics from: version control, unit testing, refactoring, object-oriented design and development, design patterns, advanced IDE usage, regular expressions, and reflection. Representation of floating-point numbers and introduction to numerical computation.

Prerequisite: 60% or higher in CSC148H1 (Please note: The minimum prerequisite grade in CSC148H1 is lower than the minimum grade for program admission in Computer Science. If you take this course when your grade in CSC148H1 is lower than the requirement for program admission, you will be unable to enrol in a Computer Science program. If you hope to enrol in a Computer Science program in future, please ensure that you satisfy the program admission grade requirements in CSC148H1 before completing CSC207H1.)

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC209H1 - Software Tools and Systems Programming

Hours: 24L/12T

Software techniques in a Unix-style environment, using scripting languages and a machine-oriented programming language (typically C). What goes on in the operating system when programs are executed. Core topics: creating and using software tools, pipes and filters, file processing, shell programming, processes, system calls, signals, basic network programming.

Prerequisite: CSC207H1

Exclusion: CSC372H1, CSC369H1, CSC469H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC236H1 - Introduction to the Theory of Computation

Hours: 24L/12T

The application of logic and proof techniques to Computer Science. Mathematical induction; correctness proofs for iterative and recursive algorithms; recurrence equations and their solutions; introduction to automata and formal languages. This course assumes university-level experience with proof techniques and algorithmic complexity as provided by CSC165H1. Very strong students who already have this experience (e.g. successful completion of MAT157Y1) may consult the undergraduate office about proceeding directly into CSC236H1 or CSC240H1.

Prerequisite: 60% or higher in CSC148H1, 60% or higher in CSC165H1 (Please note: The minimum prerequisite grade in CSC148H1 and CSC165H1/ CSC240H1 is lower than the minimum grade for program admission in Computer Science. If you take this course when your grade in CSC165H1/ CSC240H1 is lower than the requirement for program admission, you will be unable to enrol in a Computer Science program. If you hope to enrol in a Computer Science program in future, please ensure that you satisfy the program admission grade requirements in CSC165H1/ CSC240H1 before completing CSC236H1. Students will not be permitted to retake CSC165H1 after completing CSC236H1.)

Exclusion: CSC240H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC240H1 - Enriched Introduction to the Theory of Computation

Hours: 24L/12T

The rigorous application of logic and proof techniques to Computer Science. Propositional and predicate logic; mathematical induction and other basic proof techniques; correctness proofs for iterative and recursive algorithms; recurrence equations and their solutions (including the Master Theorem); introduction to automata and formal languages. This course covers the same topics as CSC236H1, together with selected material from CSC165H1, but at a faster pace, in greater depth and with more rigour, and with more challenging assignments. Greater emphasis will be placed on proofs and theoretical analysis. Certain topics briefly mentioned in CSC165H1 or CSC236H1 may be covered in more detail in this course, and some additional topics may also be covered.

NOTES:

1. If you completed CSC165H1 with a course grade less than 85, you should take CSC236H1 instead of CSC240H1.
2. Students may go to their college to drop down from CSC240H1 to CSC165H1 (or to CSC236H1 if they have already passed CSC165H1). See note in Calendar Section for the drop down deadlines.

Corequisite: CSC148H1; MAT137Y1/ MAT157Y1

Exclusion: CSC236H1, CSC263H1/ CSC265H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC258H1 - Computer Organization

Hours: 24L/12T/13P

Computer structures, machine languages, instruction execution, addressing techniques, and digital representation of data. Computer system organization, memory storage devices, and microprogramming. Block diagram circuit realizations of memory, control and arithmetic functions. There are a number of laboratory periods in which students conduct experiments with digital logic circuits.

Prerequisite: 60% or higher in CSC148H1, 60% or higher in CSC165H1/ CSC240H1 (Please note: The minimum prerequisite grades in CSC148H1 and CSC165H1/ CSC240H1 are lower than the minimum grades for program admission in Computer Science. If you take this course when your grade in CSC148H1 or CSC165H1/ CSC240H1 is lower than the requirement for program admission, you will be unable to enrol in a Computer Science program. If you hope to enrol in a Computer Science program in future, please ensure that you satisfy the program admission grade requirements in CSC148H1 and CSC165H1/ CSC240H1 before completing CSC258H1.)

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC265H1 - Enriched Data Structures and Analysis

Hours: 24L/12T

This course covers the same topics as CSC263H1, but at a faster pace, in greater depth and with more rigour, and with more challenging assignments. Greater emphasis will be placed on proofs, theoretical analysis, and creative problem-solving. Certain topics briefly mentioned in CSC263H1 may be covered in more detail in this course, and some additional topics may also be covered. Students without the exact course prerequisites but with a strong mathematical background are encouraged to consult the Department about the possibility of taking this course.

NOTE: Students may go to their college to drop down from CSC265H1 to CSC263H1. See above for the drop down deadline.

Prerequisite: CSC240H1 or an A- in CSC236H1

Corequisite: STA247H1/ STA255H1/ STA257H1

Exclusion: CSC263H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

JSC270H1 - Data Science I

Hours: 24L/24P

This course is restricted to students in the Data Science Specialist program. Data exploration and preparation; data visualization and presentation; and computing with data will be introduced.

Professional skills, such as oral and written communication, and ethical skills for data science will be introduced. Data science workflows will be integrated throughout the course. These topics will be explored through case studies and collaboration with researchers in other fields.

Prerequisite: STA257H1, CSC207H1

Corequisite: STA261H1, MAT237Y1/ MAT257Y1, CSC236H1/ CSC240H1

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC263H1 - Data Structures and Analysis

Hours: 24L/12T

Algorithm analysis: worst-case, average-case, and amortized complexity. Expected worst-case complexity, randomized quicksort and selection. Standard abstract data types, such as graphs, dictionaries, priority queues, and disjoint sets. A variety of data structures for implementing these abstract data types, such as balanced search trees, hashing, heaps, and disjoint forests. Design and comparison of data structures. Introduction to lower bounds.

Prerequisite: CSC207H1, CSC236H1/ CSC240H1; STA247H1/ STA255H1/ STA257H1

Exclusion: CSC265H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC300H1 - Computers and Society**Hours:** 24L/12T

Privacy and Freedom of Information; recent Canadian legislation and reports. Computers and work; employment levels, quality of working life. Electronic fund transfer systems; transborder data flows. Computers and bureaucratization. Computers in the home; public awareness about computers. Robotics. Professionalism and the ethics of computers. The course is designed not only for science students, but also those in social sciences or humanities.

Prerequisite: Any half-course on computing**Exclusion:** NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.**Distribution Requirements:** Science**Breadth Requirements:** Society and its Institutions (3)**CSC303H1 - Social and Information Networks****Hours:** 24L/12T

A course on how networks underlie the social, technological, and natural worlds, with an emphasis on developing intuitions for broadly applicable concepts in network analysis. Topics include: introductions to graph theory, network concepts, and game theory; social networks; information networks; the aggregate behaviour of markets and crowds; network dynamics; information diffusion; popular concepts such as "six degrees of separation," the "friendship paradox," and the "wisdom of crowds."

Prerequisite: CSC263H1/ CSC265H1, STA247H1/ STA255H1/ STA257H1/ ECO227Y1, MAT221H1/ MAT223H1/ MAT240H1**Exclusion:** CSCC46H3. NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**CSC301H1 - Introduction to Software Engineering****Hours:** 24L/12T

An introduction to agile development methods appropriate for medium-sized teams and rapidly-moving projects. Basic software development infrastructure; requirements elicitation and tracking; estimation and prioritization; teamwork skills; basic UML; design patterns and refactoring; security, discussion of ethical issues, and professional responsibility.

Prerequisite: CSC209H1, CSC263H1/ CSC265H1**Exclusion:** NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**CSC304H1 - Algorithmic Game Theory and Mechanism Design****Hours:** 24L/12P

A mathematical and computational introduction to game theory and mechanism design. Analysis of equilibria in games and computation of price of anarchy. Design and analysis mechanisms with monetary transfers (such as auctions). Design and analysis of mechanisms without monetary transfers (such as voting and matching). This course is intended for economics, mathematics, and computer science students.

Prerequisite: STA247H1/ STA255H1/ STA257H1/ PSY201H1/ ECO227Y1, (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1**Exclusion:** NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.**Recommended Preparation:** MAT223H1, CSC373H1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**CSC302H1 - Engineering Large Software Systems****Hours:** 24L/12T

An introduction to the theory and practice of large-scale software system design, development, and deployment. Project management; advanced UML; reverse engineering; requirements inspection; verification and validation; software architecture; performance modelling and analysis.

Prerequisite: CSC301H1**Exclusion:** NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)

CSC309H1 - Programming on the Web

Hours: 24L/12T

An introduction to software development on the web. Concepts underlying the development of programs that operate on the web; survey of technological alternatives; greater depth on some technologies. Operational concepts of the internet and the web, static client content, dynamic client content, dynamically served content, n-tiered architectures, web development processes, and security on the web. Assignments involve increasingly more complex web-based programs. Guest lecturers from leading e-commerce firms will describe the architecture and operation of their web sites.

Prerequisite: CSC209H1

Exclusion: NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Recommended Preparation: CSC343H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC318H1 - The Design of Interactive Computational Media

Hours: 24L/12T

User-centred design of interactive systems; methodologies, principles, and metaphors; task analysis. Interdisciplinary design; the role of graphic design, industrial design, and the behavioural sciences. Interactive hardware and software; concepts from computer graphics. Typography, layout, colour, sound, video, gesture, and usability enhancements. Classes of interactive graphical media; direct manipulation systems, extensible systems, rapid prototyping tools. Students work on projects in interdisciplinary teams.

Prerequisite: Any CSC half-course

Exclusion: NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Recommended Preparation: CSC300H1 provides useful background for work in CSC318H1, so if you plan to take CSC300H1 then you should do it before CSC318H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC311H1 - Introduction to Machine Learning

Previous Course Number: CSC411H1

Hours: 24L/12T

An introduction to methods for automated learning of relationships on the basis of empirical data. Classification and regression using nearest neighbour methods, decision trees, linear models, and neural networks. Clustering algorithms. Problems of overfitting and of assessing accuracy. Basics of reinforcement learning.

Prerequisite: CSC207H1, MAT235Y1/ MAT237Y1/ MAT257Y1/ (minimum of 77% in MAT135H1 and MAT136H1)/(minimum of 73% in MAT137Y1)/(minimum of 67% in MAT157Y1), MAT221H1/ MAT223H1/ MAT240H1, STA247H1/ STA255H1/ STA257H1

Exclusion: CSC411H1, STA314H1, ECE421H1. NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Recommended Preparation: MAT235Y1/ MAT237Y1/ MAT257Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC320H1 - Introduction to Visual Computing

Hours: 24L/12P

Image synthesis and image analysis aimed at students with an interest in computer graphics, computer vision, or the visual arts. Focus on three major topics: (1) visual computing principles—computational and mathematical methods for creating, capturing, analyzing, and manipulating digital photographs (image acquisition, basic image processing, image warping, anti-aliasing); (2) digital special effects—applying these principles to create special effects found in movies and commercials; (3) visual programming—using C/C++ and OpenGL to create graphical user interfaces for synthesizing and manipulating photographs. The course requires the ability to use differential calculus in several variables and linear algebra.

Prerequisite: CSC209H1/ (CSC207H1, proficiency in C or C++); MAT221H1/ MAT223H1/ MAT240H1, (MAT136H1 with a minimum mark of 77)/(MAT137Y1 with a minimum mark of 73)/(MAT157Y1 with a minimum mark of 67)/ MAT235Y1/ MAT237Y1/ MAT257Y1

Exclusion: NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Recommended Preparation: MAT235Y1/ MAT237Y1/ MAT257Y1

Distribution Requirements: Science

CSC324H1 - Principles of Programming Languages

Hours: 24L/12T

Programming principles common in modern languages; details of commonly used paradigms. The structure and meaning of code. Scope, control flow, datatypes, and parameter passing. Two non-procedural, non-object-oriented programming paradigms: functional programming (illustrated by languages such as Lisp/Scheme, ML or Haskell) and logic programming (typically illustrated in Prolog).

Prerequisite: CSC263H1/ CSC265H1

Exclusion: NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC343H1 - Introduction to Databases

Hours: 36L

Introduction to database management systems. The relational data model. Relational algebra. Querying and updating databases: the query language SQL. Application programming with SQL. Integrity constraints, normal forms, and database design. Elements of database system technology: query processing, transaction management.

Prerequisite: CSC165H1/ CSC240H1/(MAT135H1, MAT136H1)/ MAT135Y1/ MAT137Y1/ MAT157Y1; CSC207H1. Prerequisite for Engineering students only: ECE345H1/ ESC190H1/ CSC190H1/ CSC192H1

Exclusion: CSC443H1. NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC336H1 - Numerical Methods

Hours: 24L/12T

The study of computational methods for solving problems in linear algebra, non-linear equations, and approximation. The aim is to give students a basic understanding of both floating-point arithmetic and the implementation of algorithms used to solve numerical problems, as well as a familiarity with current numerical computing environments.

Prerequisite: CSC148H1; MAT133Y1(70%)/(MAT135H1, MAT136H1)/ MAT135Y1/ MAT137Y1/ MAT157Y1, MAT221H1/ MAT223H1/ MAT240H1

Exclusion: CSC350H1, CSC351H1. NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC358H1 - Principles of Computer Networks

Hours: 24L/12T

Introduction to computer networks with an emphasis on fundamental principles. Basic understanding of computer networks and network protocols. Topics include network hardware and software, routing, addressing, congestion control, reliable data transfer, performance analysis, local area networks, and TCP/IP.

Prerequisite: CSC209H1, CSC258H1, CSC263H1/ CSC265H1, STA247H1/ STA255H1/ STA257H1/ ECO227Y1

Exclusion: NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC367H1 - Parallel Programming**Hours:** 24L/12T

Introduction to aspects of parallel programming. Topics include computer instruction execution, instruction-level parallelism, memory system performance, task and data parallelism, parallel models (shared memory, message passing), synchronization, scalability and Amdahl's law, Flynn taxonomy, vector processing and parallel computing architectures.

Prerequisite: CSC258H1, CSC209H1**Exclusion:** NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**CSC373H1 - Algorithm Design, Analysis & Complexity****Hours:** 36L/12T

Standard algorithm design techniques: divide-and-conquer, greedy strategies, dynamic programming, linear programming, randomization, network flows, approximation algorithms. Brief introduction to NP-completeness: polynomial time reductions, examples of various NP-complete problems, self-reducibility. Additional topics may include approximation and randomized algorithms. Students will be expected to show good design principles and adequate skills at reasoning about the correctness and complexity of algorithms.

Prerequisite: CSC263H1/ CSC265H1**Exclusion:** CSC375H1. NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**CSC369H1 - Operating Systems****Hours:** 24L/12T

Principles of operating systems. The operating system as a control program and as a resource allocator. The concept of a process and concurrency problems: synchronization, mutual exclusion, deadlock. Additional topics include memory management, file systems, process scheduling, threads, and protection.

Prerequisite: CSC209H1, CSC258H1**Exclusion:** NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**CSC384H1 - Introduction to Artificial Intelligence****Hours:** 24L/12T

Theories and algorithms that capture (or approximate) some of the core elements of computational intelligence. Topics include: search; logical representations and reasoning, classical automated planning, representing and reasoning with uncertainty, learning, decision making (planning) under uncertainty. Assignments provide practical experience, in both theory and programming, of the core topics.

Prerequisite: (CSC263H1/ CSC265H1, STA247H1/ STA255H1/ STA257H1)/Permission of the Cognitive Science Director**Exclusion:** NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.**Recommended Preparation:** CSC324H1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**JSC370H1 - Data Science II****Hours:** 24L/24P

This course is restricted to students in the Data Science Specialist program. Students will learn to identify and answer questions through the application of exploratory data analysis, data visualization, statistical methods or machine learning algorithms to complex data. Software development for data science and reproducible workflows. Communication of statistical information at various technical levels, ethical practice of data analysis and software development, and teamwork skills. Topics will be explored through case studies and collaboration with researchers in other fields.

Prerequisite: JSC270H1, STA261H1, MAT237Y1/ MAT257Y1, CSC263H1, STA302H1, CSC343H1**Corequisite:** STA303H1/ STA305H1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)

CSC385H1 - Microprocessor Systems**Hours:** 24L/12T/36P

Microprocessor and embedded systems: Software techniques for real-time task creation and management. Connected device characteristics and the hardware and software ramifications. System construction and management. An examination of the issues unique to or particularly important to embedded computing. Laboratory experiments provide "hands on" experience. An open team project is done in the last few laboratory sessions.

Prerequisite: CSC258H1; CSC209H1/proficiency in C**Exclusion:** CSC372H1, ECE385H1. NOTE: Students who are not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM or UTSC campuses may take a maximum of three 300-/400-level CSC/ECE half-courses.**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**CSC401H1 - Natural Language Computing****Hours:** 24L/12T

Introduction to techniques involving natural language processing and speech in applications such as information retrieval, speech recognition and synthesis, machine translation, summarization, and dialogue. N-grams, corpus analysis, neural methods, and information theory. Python and other software.

Prerequisite: CSC207H1/ CSC209H1; STA247H1/ STA255H1/ STA257H1**Exclusion:** NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.**Recommended Preparation:** MAT221H1/ MAT223H1/ MAT240H1 is strongly recommended**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**CSC396Y0 - Designing Systems for Real World Problems**

This Summer Abroad special offering provides students with an opportunity to explore new environments, which improves their ability to see their own world with increased sensitivity and germinates new design ideas. In this course, students will identify a real problem in the world and work in groups on projects addressing this problem. Students will explore their problem space and the people within that space, identify needs, constraints, and requirements, and ultimately design solutions. Their designs will be iterated by gathering feedback and conducting usability testing on the early prototypes. The course projects will culminate with development of a technological solution that addresses the identified problem. Final project presentations will take place at the end of the course. This course can be counted as 0.5 FCE at the 300-level for Computer Science program completion.

Prerequisite: Any CSC half course, and balloting**Exclusion:** NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**CSC404H1 - Introduction to Video Game Design****Hours:** 24L/12T

Concepts and techniques for the design and development of electronic games. History, social issues, and story elements. The business of game development and game promotion. Software engineering, artificial intelligence, and graphics elements. Level and model design. Audio elements. Practical assignments leading to team implementation of a complete game.

Prerequisite: CSC301H1/ CSC318H1/ CSC384H1/ CSC418H1**Exclusion:** NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.**Distribution Requirements:** Science**Breadth Requirements:** Creative and Cultural Representations (1)**CSC410H1 - Software Testing and Verification****Hours:** 24L/12T

Concepts and state-of-the-art techniques in quality assessment for software engineering; quality attributes; formal specifications and their analysis; testing, verification, and validation.

Prerequisite: CSC207H1, CSC236H1/ CSC240H1**Exclusion:** NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.**Recommended Preparation:** CSC330H1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**CSC399Y1 - Research Opportunity Program****Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

CSC412H1 - Probabilistic Learning and Reasoning

Hours: 24L/12T

An introduction to probability as a means of representing and reasoning with uncertain knowledge. Qualitative and quantitative specification of probability distributions using probabilistic graphical models. Algorithms for inference and probabilistic reasoning with graphical models. Statistical approaches and algorithms for learning probability models from empirical data. Applications of these models in artificial intelligence and machine learning.

Prerequisite: CSC411H1/ STA314H1

Exclusion: NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC418H1 - Computer Graphics

Hours: 24L/12T

Identification and characterization of the objects manipulated in computer graphics, the operations possible on these objects, efficient algorithms to perform these operations, and interfaces to transform one type of object to another. Display devices, display data structures and procedures, graphical input, object modelling, transformations, illumination models, primary and secondary light effects; graphics packages and systems. Students, individually or in teams, implement graphical algorithms or entire graphics systems.

Prerequisite: CSC209H1/proficiency in C or C++, MAT235Y1/ MAT237Y1/ MAT257Y1, MAT221H1/ MAT223H1/ MAT240H1. Prerequisite for Engineering students only: ECE345H1 or ECE352H1

Exclusion: NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Recommended Preparation: MAT244H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC413H1 - Neural Networks and Deep Learning

Previous Course Number: CSC321H1/CSC421H1

Hours: 24L/12T

An introduction to neural networks and deep learning.

Backpropagation and automatic differentiation. Architectures: convolutional networks and recurrent neural networks. Methods for improving optimization and generalization. Neural networks for unsupervised and reinforcement learning.

Prerequisite: CSC311H1/ CSC411H1/ STA314H1, MAT235Y1/ MAT237Y1/ MAT257Y1, MAT221H1/ MAT223H1/ MAT240H1

Exclusion: CSC321H1/ CSC421H1. NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC419H1 - Geometry Processing

Hours: 24L/12T

Extending traditional signal processing, geometry processing interprets three-dimensional curves and surfaces as signals. Just as audio and image signal data can be filtered, denoised and decomposed spectrally, so can the geometry of a three-dimensional curve or surface. The course covers algorithms and mathematics behind fundamental operations for interpreting and manipulating geometric data. These essential tools enable: geometric modeling for computer aided design, life-like animations for computer graphics, reliable physical simulations, and robust scene representations for computer vision. Topics include: discrete curves and surfaces, curvature computation, surface reconstruction from point clouds, surface smoothing and denoising, parameterization, symmetry detection, and animation.

Prerequisite: CSC209H1/demonstrated proficiency in C or C++; MAT235Y1/ MAT237Y1/ MAT257Y1; MAT221H1/ MAT223H1/ MAT240H1

Exclusion: NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Recommended Preparation: CSC418H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC420H1 - Introduction to Image Understanding

Hours: 24L/12P

Introduction to basic concepts in computer vision. Extraction of image features at multiple scales. Robust estimation of model parameters. Multiview geometry and reconstruction. Image motion estimation and tracking. Object recognition. Topics in scene understanding as time permits.

Prerequisite: CSC263H1/ CSC265H1, (MAT135H1, MAT136H1)/ MAT135Y1/ MAT137Y1/ MAT157Y1, MAT221H1/ MAT223H1/ MAT240H1

Exclusion: NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Recommended Preparation: CSC320H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC428H1 - Human-Computer Interaction

Hours: 24L/12T

Understanding human behaviour as it applies to user interfaces: work activity analysis, observational techniques, questionnaire administration, and unobtrusive measures. Operating parameters of the human cognitive system, task analysis and cognitive modelling techniques and their application to designing interfaces. Interface representations and prototyping tools. Cognitive walkthroughs, usability studies and verbal protocol analysis. Case studies of specific user interfaces.

Prerequisite: CSC318H1; STA247H1/ STA255H1/ STA257H1; CSC209H1/proficiency C++ or Java

Exclusion: NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Recommended Preparation: A course in PSY; CSC209H1; (STA248H1/ STA250H1/ STA261H1)/(PSY201H1, PSY202H1)/(SOC202H1, SOC300H1)

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC436H1 - Numerical Algorithms

Hours: 24L/12T

Numerical algorithms for the algebraic eigenvalue problem, approximation, integration, and the solution of ordinary differential equations. Emphasis is on the convergence, stability, and efficiency properties of the algorithms.

Prerequisite: CSC336H1/ CSC350H1

Exclusion: CSC351H1. NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Recommended Preparation: MAT235Y1/ MAT237Y1/ MAT257Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC438H1 - Computability and Logic

Hours: 24L/12T

Computable functions, Church's thesis, unsolvable problems, recursively enumerable sets. Predicate calculus, including the completeness, compactness, and Lowenheim-Skolem theorems. Formal theories and the Gödel Incompleteness Theorem. Ordinarily offered in years alternating with [CSC448H1](#).

Prerequisite: (CSC363H1/ CSC463H1)/ CSC365H1/ CSC373H1/ CSC375H1/ MAT247H1

Exclusion: MAT309H1; PHL348H1. NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC443H1 - Database System Technology

Hours: 24L/12T

Implementation of database management systems. Storage management, indexing, query processing, concurrency control, transaction management. Database systems on parallel and distributed architectures. Modern database applications: data mining, data warehousing, OLAP, data on the web. Object-oriented and object-relational databases.

Prerequisite: CSC343H1, CSC369H1, CSC373H1/ CSC375H1

Exclusion: NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC446H1 - Computational Methods for Partial Differential Equations

Hours: 24L/12T

Finite Difference and Finite Element methods for boundary value problems including 2-point boundary value problems and 2-dimensional problems. Convergence of methods. Efficiency of the solution of linear systems. Finite difference methods for initial value problems. Consistency, stability and convergence. Method of lines. Special topics of interest among domain decomposition, multigrid, FFT solvers. Ordinarily offered in years alternating with CSC466H1.

Prerequisite: CSC351H1/(CSC336H1 (75%))/equivalent mathematical background; MAT237Y1/ MAT257Y1; APM346H1/ MAT351Y1/(MAT244H1/ MAT267H1 and exposure to PDEs)

Exclusion: NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC448H1 - Formal Languages and Automata

Hours: 24L/12T

Regular, deterministic, context free, context sensitive, and recursively enumerable languages via generative grammars and corresponding automata (finite state machines, push down machines, and Turing machines). Topics include complexity bounds for recognition, language decision problems and operations on languages. Ordinarily offered in years alternating with CSC438H1.

Prerequisite: CSC236H1/ CSC240H1, CSC263H1/ CSC265H1

Exclusion: NOTE: Students who are not enrolled in the Major or Specialist program at the UTSG, UTM or UTSC campuses may take a maximum of three 300-/400-level CSC/ECE half-courses.

Recommended Preparation: CSC373H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC454H1 - The Business of Software

Hours: 24L/12T

The software and internet industries; principles of operation for successful software enterprises; innovation and entrepreneurship; software business definition and planning; business models, market and product planning; product development, marketing, sales, and support; financial management and financing of high-technology ventures; management, leadership, and partnerships. Students will all write business plans in teams.

Prerequisite: Five CSC half-courses at the 200-level or higher

Exclusion: NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC456H1 - High-Performance Scientific Computing

Hours: 24L/12T

Computationally-intensive applications in science and engineering are implemented on the fastest computers available, today composed of many processors operating in parallel. Parallel computer architectures; implementation of numerical algorithms on parallel architectures; performance evaluation. Topics from: matrix-vector product, solution of linear systems, sparse matrices, iterative methods, domain decomposition, Fourier solvers. For students in computer science, applied mathematics, science, engineering. Ordinarily offered in years alternating with CSC446H1.

Prerequisite: CSC436H1/(CSC336H1 (75%))/equivalent mathematical background; CSC209H1/proficiency in C, C++, or Fortran

Exclusion: NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC458H1 - Computer Networking Systems**Hours:** 24L/12T

Computer networks with an emphasis on network programming and applications. An overview of networking basics: layering, naming, and addressing, packet switching fundamentals, socket programming, protocols, congestion control, routing, network security, wireless networks, multimedia, web 2.0, software-defined networking, and online social networks.

Prerequisite: CSC209H1, CSC258H1, CSC263H1/ CSC265H1, STA247H1/ STA255H1/ STA257H1/ ECO227Y1

Exclusion: NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC465H1 - Formal Methods in Software Design**Hours:** 24L/12T

Using mathematics to write error-free programs. Proving each refinement; identifying errors as they are made. Program development to meet specifications; modifications that preserve correctness. Useful for all programming; essential for programs that lives depend on. Basic logic, formal specifications, refinement. Conditional, sequential, parallel, interaction, probabilistic programming, and functional programming.

Prerequisite: CSC236H1/ CSC240H1/ MAT309H1

Exclusion: NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC463H1 - Computational Complexity and Computability**Hours:** 24L/12P

Introduction to the theory of computability: Turing machines and other models of computation, Church's thesis, computable and noncomputable functions, recursive and recursively enumerable sets, many-one reductions. Introduction to complexity theory: P, NP, polynomial time reducibility, NP-completeness, self-reducibility, space complexity (L, NL, PSPACE and completeness for those classes), hierarchy theorems, and provably intractable problems.

Prerequisite: CSC236H1/ CSC240H1

Exclusion: CSC363H1/CSCC63H3, CSC365H1. NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC466H1 - Numerical Methods for Optimization Problems**Hours:** 36L

Numerical methods for unconstrained optimization problems, in particular line search methods and trust region methods. Topics include steepest descent, Newton's method, quasi-Newton methods, conjugate gradient methods and techniques for large problems. This course will normally be offered every other year.

Prerequisite: CSC336H1, MAT221H1/ MAT223H1/ MAT240H1, MAT235Y1/ MAT237Y1/ MAT257Y1

Exclusion: NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC469H1 - Operating Systems Design and Implementation

Hours: 24L/12T

An in-depth exploration of the major components of operating systems with an emphasis on the techniques, algorithms, and structures used to implement these components in modern systems. Project-based study of process management, scheduling, memory management, file systems, and networking is used to build insight into the intricacies of a large concurrent system.

Prerequisite: CSC369H1

Exclusion: NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC485H1 - Computational Linguistics

Hours: 36L

Computational linguistics and the processing of language by computer. Topics include: context-free grammars; chart parsing, statistical parsing; semantics and semantic interpretation; ambiguity resolution techniques; reference resolution. Emphasis on statistical learning methods for lexical, syntactic, and semantic knowledge.

Prerequisite: STA247H1/ STA255H1/ STA257H1; CSC209H1

Exclusion: NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Recommended Preparation: CSC324H1/ CSC384H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC486H1 - Knowledge Representation and Reasoning

Hours: 24L/12T

Representing knowledge symbolically in a form suitable for automated reasoning, and associated reasoning methods. Topics from: first-order logic, entailment, the resolution method, Horn clauses, procedural representations, production systems, description logics, inheritance networks, defaults and probabilities, tractable reasoning, abductive explanation, the representation of action, planning.

Prerequisite: CSC384H1, CSC363H1/ CSC365H1/ CSC373H1/ CSC375H1/ CSC463H1

Exclusion: NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Recommended Preparation: CSC330H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

JSC470H1 - Data Science III

Hours: 24L/24P

This course is **restricted to** students in the Data Science Specialist program. Research topics and applications of data science methods will be explored through case studies and collaboration with researchers in other fields. Data analysis, visualization, and communication of statistical information at various technical levels, ethical practice of data analysis and software development, and teamwork skills.

Prerequisite: JSC370H1, STA314H1/ CSC411H1/ CSC311H1, STA303H1/ STA305H1

Exclusion: STA490Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC473H1 - Advanced Algorithm Design

Hours: 24L/12P

Advanced algorithm design techniques, with emphasis on the role that geometry, approximation, randomization, and parallelism play in modern algorithms. Examples will be drawn from linear programming and basics of continuous optimization; randomized algorithms for string matching, graph problems, and number theory problems; streaming algorithms and parallel algorithms in the Map-Reduce model.

Prerequisite: CSC373H1, MAT221H1/ MAT223H1/ MAT240H1

Exclusion: NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC488H1 - Compilers and Interpreters**Hours:** 24L/12T

The structure of compilers, Programming language processing. Scanning based on regular expressions, Parsing using context free grammars, Semantic analysis (type and usage checking), Compiler dictionaries and tables. Runtime organization and storage allocation, code generation, optimization. Use of modern compiler building tools. Course project involves building a complete compiler.

Prerequisite: CSC258H1, CSC324H1, CSC263H1/ CSC265H1**Exclusion:** NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**ECE489H1 - Compilers II****Hours:** 24L/36P

Theoretical and practical aspects of building modern optimizing compilers. Topics: intermediate representations, basic blocks and flow graphs, data flow analysis, partial evaluation and redundancy elimination, loop optimizations, register allocation, instruction scheduling, interprocedural analysis, and memory hierarchy optimizations. Students implement significant optimizations within the framework of a modern research compiler. (This course is a cross-listing of ECE540H1, Faculty of Applied Science and Engineering.)

Prerequisite: CSC236H1/ CSC240H1**Recommended Preparation:** ECE385H1, proficiency in C**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**CSC490H1 - Capstone Design Project****Hours:** 48L

This half-course gives students experience solving a substantial problem that may span several areas of Computer Science. Students will define the scope of the problem, develop a solution plan, produce a working implementation, and present their work using written, oral, and (if suitable) video reports. Class time will focus on the project, but may include some lectures. The class will be small and highly interactive. Project themes change each year. Contact the Computer Science Undergraduate Office for information about this year's topic themes, required preparation, and course enrolment procedures. Not eligible for CR/NCR option.

Prerequisite: Permission of the instructor**Exclusion:** NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**CSC491H1 - Capstone Design Project****Hours:** 48L

This half-course gives students experience solving a substantial problem that may span several areas of Computer Science. Students will define the scope of the problem, develop a solution plan, produce a working implementation, and present their work using written, oral, and (if suitable) video reports. Class time will focus on the project, but may include some lectures. The class will be small and highly interactive. Project themes change each year. Contact the Computer Science Undergraduate Office for information about this year's topic themes, required preparation, and course enrolment procedures. Not eligible for CR/NCR option.

Prerequisite: Permission of the instructor**Exclusion:** NOTE: Students not enrolled in the Computer Science Major or Specialist program at the UTSG, UTM, or UTSC are limited to a maximum of three 300-/400-level CSC/ECE half-courses.**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)

CSC494H1 - Computer Science Project

Hours: TBA

This half-course involves a significant project in any area of Computer Science. The project may be undertaken individually or in small groups. The course is offered by arrangement with a Computer Science faculty member. Not eligible for CR/NCR option.

Prerequisite: Three 300-/400-level CSC half-courses, and permission of the Associate Chair, Undergraduate Studies. Contact the Computer Science Undergraduate Office for information about course enrolment procedures.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CSC495H1 - Computer Science Project

Hours: TBA

This half-course involves a significant project in any area of Computer Science. The project may be undertaken individually or in small groups. The course is offered by arrangement with a Computer Science faculty member. Not eligible for CR/NCR option.

Prerequisite: Three 300-/400-level CSC half-courses, and permission of the Associate Chair, Undergraduate Studies. Contact the Computer Science Undergraduate Office for information about course enrolment procedures.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

Dr. David Chu Program In Contemporary Asian Studies

Faculty List

Professor Emeritus

Victor Falkenheim (East Asian Studies/Political Science)

University Professor

Tania Li (Anthropology)

Professors

Zaheer Baber (Sociology, University of Toronto Scarborough)
 Jacques Bertrand (Political Science)
 Loren Brandt (Economics)
 Eric Cazdyn (East Asian Studies)
 Amrita Daniere (Geography/Planning)
 Takashi Fujitani (History)
 Ping-Chun Hsiung (Social Sciences, University of Toronto Scarborough)
 Hy Van Luong (Anthropology)
 Ito Peng (Sociology)
 Katharine Rankin (Geography)
 Atsuko Sakaki (East Asian Studies)
 Rachel Silvey (Geography)
 Jesook Song (Anthropology)
 Ka Tat Tsang (Social Work)
 Joseph Wong (Political Science)
 Jia-Lin Xie (Rotman)
 Lisa Yoneyama (East Asian Studies)
 Xiaodong Zhu (Economics)

Associate Professors

Aisha Ahmad (Political Science)
 Ruoyun Bai (Global Asia Studies, University of Toronto Scarborough)
 Joshua Barker (Anthropology)
 Ritu Birla (History)
 Alana Boland (Geography)
 Li Chen (Global Asia Studies, University of Toronto Mississauga)
 Carol Chin (History)
 Hae Yeon Choo (Sociology)
 Francis Cody (Anthropology/Asian Institute)
 Naisargi Dave (Anthropology)
 Arti Dhand (Religion)
 Christoph Emmrich (Religion)
 Frances Garrett (Religion)
 Kanishka Goonewardena (Geography)
 Yi Gu (Art History, University of Toronto Scarborough)
 Kajri Jain (Visual Studies, University of Toronto Mississauga)
 Yoonjung Kang (French and Linguistics)
 Malavika Kasturi (Historical Studies, University of Toronto Mississauga)
 Ken Kawashima (East Asian Studies)
 Hui Kian Kwee (Historical Studies, University of Toronto Mississauga)
 Tong Lam (Historical Studies, University of Toronto Mississauga)
 Yoonkyung Lee (Sociology)
 Ken MacDonald (Social Sciences, University of Toronto Scarborough)
 Virginia McLaren (Geography)
 Mark Manger (Munk School of Global Affairs & Public Policy)
 Lisa Mar (History, University College)
 Bonnie McElhinny (Anthropology)
 Heather Miller (Anthropology)
 Lynette Ong (Political Science/Asian Institute)

Joshua Pilzer (Music)
 Janet Poole (East Asian Studies)
 Jennifer Purtle (Art)
 Bhavani Raman (Historical and Cultural Studies, University of Toronto Scarborough)
 Srilata Raman (Religion)
 Ajay Rao (Religion)
 Karen Ruffle (Religion)
 Izumi Sakamoto (Social Work)
 Shihō Satsuka (Anthropology)
 Andre Schmid (East Asian Studies)
 Jayeeta Sharma (History, University of Toronto Scarborough)
 Neera Singh (Geography)
 Andre Sorensen (Social Sciences, University of Toronto Scarborough)
 Nhung Tran (History)
 Shafique Virani (Historical Studies, University of Toronto Mississauga)
 Yiching Wu (East Asian Studies/Asian Institute)
 Meng Yue (East Asian Studies)
 Weiguo Zhang (Sociology, University of Toronto Mississauga)
 Yurou Zhong (East Asian Studies)

Assistant Professors

Michelle Cho (East Asian Studies)
 Hae Yeon Choo (Sociology)
 Cindy Ewing (History)
 Xing Fan (Centre for Drama, Theatre and Performance Studies)
 Diana Fu (Political Science, University of Toronto Scarborough)
 Anup Grewal (Cultural and Historical Studies, University of Toronto Scarborough)
 Ju Hui Judy Han (Human Geography, University of Toronto Scarborough)
 Beatrice Jauregui (Criminology and Sociolegal Studies)
 Sida Liu (Sociology)
 Libby Mills (Religion)
 Shivaji Mukherjee (Political Science, University of Toronto Mississauga)
 Kanta Murali (Political Science)
 Rajashree Narayananreddy (Geography)
 J. Barton Scott (Religion)
 Wen-Ching Sung (Anthropology)
 Matthew Walton (Political Science)
 Yvon Wang (History)
 Shana Ye (Women and Gender Studies, University of Toronto Scarborough)
 Jun Zhang (Geography)

Adjunct Professors

Deepali Dewan (ROM)
 Wendy Dobson (Rotman)

Introduction

Asia is home to more than half the world's population. Its cultural and historical complexity is endless, its economic growth unprecedented, and its global influence unmatched.

The Contemporary Asian Studies program (CAS) offers a thematically driven approach to understanding the complexity of issues facing today's Asia. It examines the linkages between Asia's history and culture, its emergence on the global stage, and its future in the global arena. CAS courses are distinctly pan-Asian in geographic scope, providing empirical and critical coverage of South, Southeast, and East Asia through multiple disciplinary approaches, including anthropology, economics,

geography, history, political science, religion, and sociology.

By exposing students to current issues and debates in Asia, the CAS program is designed to prepare students for careers in or about Asia. In addition, the Asian Institute is committed to facilitating overseas experiential learning opportunities, including field schools, international course modules, professional internships, and study abroad opportunities. Upper-level CAS courses are designed to be research-intensive. There is no language requirement for the CAS major or minor. However, students are strongly encouraged to study an Asian language. One FCE in an approved Asian language can be credited towards the major or minor degree.

Students may also be interested in the [South Asian Studies](#) minor, which is closely connected with the Contemporary Asian Studies program.

NOTE: Students who wish to count courses towards the CAS major or minor that are not listed as CAS courses or in Group A, B, or C below (including U of T courses and transfer credits) must seek pre-approval from the program director prior to taking the course. Asian content does not guarantee that the course will be approved for CAS program credit.

Contact Information

Program Advisor
Munk School of Global Affairs & Public Policy, Room 228N
1 Devonshire Place
ai.asianstudies@utoronto.ca
416-946-8832

Contemporary Asian Studies Programs

Contemporary Asian Studies Major (Arts Program) - ASMAJ0235

Completion Requirements:

(7.0 full courses or their equivalent)

1. 1.0 FCE in 200 level CAS courses ([CAS200H1](#), [CAS201H1](#), [CAS202H1](#))
3. 1.0 FCE in 300 level CAS courses
4. [CAS400H1](#)
5. 1.5 FCE from each of Groups A and B
6. 1.0 additional FCE from Group A or B, **OR** 1.0 FCE at any level of an Asian language

7. Either [CAS450H1](#) **OR** 0.5 FCE in a quantitative or qualitative methods course from Group C to fulfill the Research Competency required in the program.

Contemporary Asian Studies Minor (Arts Program) - ASMIN0235

Completion Requirements:

(4 full courses or their equivalent)

1. 1.0 FCE from 200 level CAS courses ([CAS200H1](#), [CAS201H1](#), [CAS202H1](#))
2. 1.0 FCE from 300 level CAS courses
3. 0.5 FCEs from each of Groups A and B (excluding 100-level courses)
4. 1.0 FCE from Group A or B (excluding 100-level courses), or at any level in an Asian language.

Groups of Elective Courses

These are courses pre-approved to count towards the CAS program. Note that not all electives are offered every year. Some may not be offered on a regular basis and/or may only be offered to students enrolled in a POST sponsored by the department or unit offering the courses. Students are responsible for checking co- and prerequisites for all courses listed below.

Course Groups

Group A: Social, Political, and Economic Topics (Social Science)

- [CAS200H1 Introduction to Contemporary Asian Studies](#)
- [CAS201H1 Global Asian Studies: Insights and Concepts](#)
- [CAS202H1 Global Asian Studies: Sites and Practices](#)
- [CAS310H1 Comparative Colonialisms in Asia](#)
- [CAS320H1 Comparative Modernities in Asia](#)
- [CAS370H1 Asian Cities](#)
- [CAS390H1 Special Topics](#)
- [CAS420H1 Asia and the New Global Economy](#)
- [CAS430H1 Nationalism and Revolution in Asia](#)
- [CAS490H1 Special Topics in Contemporary Asian Studies](#)
- [ANT341H1 China in Transition](#)
- [ANT472H1 Japan in Global Context: Anthropological Perspectives \(formerly ANT354Y1 and ANT354H1\)](#)
- [ANT477H1 Transnational Korea in and outside the Peninsula](#)
- [CDN230H1 Asian Canadian History](#)
- [CDN390H1 Chinese Canadian Studies](#)
- [EAS105H1 Modern East Asia](#)
- [EAS246H1 Early Modern Japanese History](#)
- [EAS247H1 History of Capitalism in Modern Japan](#)
- [EAS273H1 Modern Chinese Cities](#)
- [EAS285H1 Revolutions in Modern China](#)

- [EAS289Y1 Environment and East Asia](#)
- [EAS315H1 The "Yellow Peril": Past & Present](#)
- [EAS328H1 Science, Technology and Society in Modern China](#)
- [EAS333H1 Modernism and Colonial Korea](#)
- [EAS345Y1 The Rise of Greater China: Issues & Topics](#)
- [EAS347H1 Everyday Life in Modern Japan](#)
- [EAS357H1 Mao's China and Beyond](#)
- [EAS364H1 China's Cultural Revolution: History and Memory](#)
- [EAS372H1 The Postwar, Cold War and Divided Koreas](#)
- [EAS374H1 Modern Japan and Colonialism](#)
- [EAS375H1 Postwar Japan: Crisis, Apocalypse](#)
- [EAS378H1 Urban Life in Early Modern Japan](#)
- [EAS457H1 Special Topics in Modern Japanese History](#)
- [EAS459Y1 Rethinking the Cold War in East Asia](#)
- [EAS466H1 History, Everyday Life, and North Korea](#)
- [EAS468H1 Democratic Struggles in Korea](#)
- [EAS473H1 Modern Korean History Seminar](#)
- [EAS474H1 U.S. and Canada's Wars in Asia](#)
- [EAS484Y1 The Japanese Empire](#)
- [ECO435H1 The Economics of Modern China](#)
- [GGR342H1 The Changing Geography of Southeast Asia](#)
- [GGR343H1 The Changing Geography of China](#)
- [HIS280Y1 History of China](#)
- [HIS282Y1 History of South Asia](#)
- [HIS283Y1 Southeast Asian Crossroads](#)
- [HIS315H1 Narratives of Viet Nam](#)
- [HIS326H1 Topics in Chinese History](#)
- [HIS328H1 Modern China](#)
- [HIS346H1 Rice and Spice in Southeast Asia: a Regional Food History](#)
- [HIS379H1 Vietnam at War](#)
- [HIS385Y0 The History of Hong Kong](#)
- [HIS470H1 History, Rights, and Difference in South Asia](#)
- [HIS480H1 Modernity and its Others: History and Postcolonial Critique](#)
- [HIS494H1 Gandhi's Global Conversations](#)
- [JHA384H1 Japan in the World, mid-16th to mid-20th century](#)
- [JHA394H1 The Asia Pacific War](#)
- [JPA331Y1 Issues in Contemporary Chinese Politics](#)
- [JPA376Y0 Transforming Global Politics: Comparative and Chinese Perspectives](#)
- [POL215Y1 Politics and Transformation of Asia-Pacific](#)
- [POL302Y1 State & Society in 20th Century China](#)
- [POL328Y1 Politics and Government in South Asia](#)
- [POL357Y1 Topics in South Asian Politics](#)
- [POL431Y1 Politics and Society in Contemporary China](#)
- [POL441H1 Topics in Asian Politics](#)
- [SAS114H1 Introduction to South Asian Studies](#)
- [SAS318H1 Colonialism and Tradition](#)
- [SOC218H1 Asian Communities in Canada](#)
- [WGS420H1 Asian/North American Feminist Issues](#)

- [CAS414H1 Public Culture and Media in Asia](#)
- [CDN225H1 Asian Canadian Space & Place](#)
- [CDN307H1 Asian Cultures in Canada](#)
- [CIN376Y1 Chinese Cinemas](#)
- [EAS251H1 Aesthetics and Politics in 20th Century Korea](#)
- [EAS278H1 Approaches to Korean Cinema](#)
- [EAS279H1 East Asian Ecocinema](#)
- [EAS307H1 Chinese Political Philosophy](#)
- [EAS314H1 Culture & World After Hiroshima & Nagasaki](#)
- [EAS333H1 Modernism and Colonial Korea](#)
- [EAS394H1 Film Culture in Contemporary China](#)
- [EAS419H1 Chinese Cultural Studies Seminar: May Fourth](#)
- [EAS431H1 Advanced Topics in Japanese Cinema](#)
- [EAS489H1 Advanced Topics in Asian Media Studies](#)
- [FAH260H1 The Artistic Landscape of East Asia](#)
- [FAH262H1 Art and Visual Experience in Modern and Contemporary East Asia](#)
- [FAH363H1 The Mechanics of the Image in China](#)
- [FAH364H1 Visual South Asia](#)
- [FAH368H1 Encounters: Art Within and Beyond East Asia](#)
- [FAH462H1 Outside East Asian Art](#)
- [FAH463H1 Materiality, Objecthood, Connoisseurship and Collecting in the Arts of East Asia](#)
- [FAH464H1 Transregional East Asian Art](#)
- [FAH465H1 Exhibiting China](#)
- [FAH466H1 Photography in India](#)
- [FAH487H1 Introduction to Asian Textiles](#)
- [FAH490H1 Introduction to the Textile Arts of the Indian Ocean World](#)
- [HIS467H1 French Colonial Indochina: History, Cultures, Texts, Film](#)
- [MUS209H1 Performing Arts of South Asia](#)
- [MUS215H1 Performing Arts of East Asia](#)
- [NEW214H1 Socially Engaged Buddhism](#)
- [PHL237H1 History of Chinese Philosophy](#)
- [PHL339H1 Indian Philosophy](#)
- [RLG205H1 Hinduism](#)
- [RLG206H1 Buddhism](#)
- [RLG208H1 Sikhism](#)
- [RLG311H1 Gender, Body and Sexuality in Asian Traditions](#)
- [RLG312H1 Gender, Body and Sexuality in Islam](#)
- [RLG352H1 Post-Colonial Islam](#)
- [RLG355H1 Living Islam](#)
- [RLG356H1 Islam in China](#)
- [RLG358H1 Special Topics in Hinduism](#)
- [RLG361H1 Literatures of Hinduism](#)
- [RLG364H1 Hinduism and Contemporary Media](#)
- [RLG365H1 Modern Hinduism](#)
- [RLG366H1 Hindu Philosophy](#)
- [RLG372H1 Engaging Tibet](#)
- [RLG373H1 Buddhist Ritual](#)
- [RLG376H1 Buddhism in South and Southeast Asia](#)
- [RLG378H1 Buddhist Borderlands](#)
- [RLG464H1 History and Historiography of Buddhism](#)
- [RLG472H1 Religion and Aesthetics in South Asia](#)
- [RLG478H1 Burmese Religions](#)
- [SMC456H1 Indian Christianity](#)

Group B: Cultural Topics (Humanities)

- [CAS310H1 Comparative Colonialisms in Asia](#)
- [CAS320H1 Comparative Modernities in Asia](#)
- [CAS350H1 Asian Youth Cultures](#)
- [CAS360H1 Asian Genders](#)

Group C: Methodology

- [CAS450H1 Asian Pathways Research Practice](#)
- [DTS300H1 Qualitative and Quantitative Reasoning](#)
- [ECO220Y1 Introduction to Data Analysis and Applied Econometrics](#)
- [ECO227Y1 Foundations of Econometrics](#)
- [GGR225H1 Power of Maps and Geographic Information](#)
- [GGR270H1 Introductory Analytical Methods](#)
- [GGR271H1 Social Research Methods](#)
- [MUN105Y1 Global Problem-Solving: Laboratory Opportunities](#)
- [POL222H1 Introduction to Quantitative Reasoning I](#)
- [POL419H1 Quantitative Methods and Data Analysis](#)
- [PSY201H1 Statistics I](#)
- [STA201H1 Why Numbers Matter](#)
- [STA220H1 The Practice of Statistics I](#)
- [SOC202H1 Introduction to Quantitative Methods in Sociology](#)
- [SOC204H1 Introduction to Qualitative Methods in Sociology](#)

Contemporary Asian Studies Courses

CAS200H1 - Introduction to Contemporary Asian Studies

Hours: 24L

This course is an introduction to Contemporary Asian Studies. It covers detailed case study material from South Asia, Southeast Asia, and East Asia. It introduces students to the interdisciplinary study of political, sociocultural and economic interactions among these regions, as well as the transnational forces shaping internal dynamics throughout Asia. In addition, it examines the ways that forces stemming from Asia are affecting global processes, pushing scholarship to engage questions about colonialism, nationalism, "race," religion, markets, urbanization, migration, and mass mediated culture. This course provides preparation for more advanced courses on Asia and globalization and provides an introductory gateway for the Contemporary Asian Studies major and minor. May be taken in the first year of studies.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CAS201H1 - Global Asian Studies: Insights and Concepts

Previous Course Number: CAS200Y1

Hours: 24L

This course addresses Asia empirically in contemporary global formations and as an idea in the global imagination. It introduces students to concepts and theories central to scholarship on Asia and its transnational formations. It provides foundational theoretical and conceptual material to understand global issues as they play out in the politics, economies, cultures and contemporary social worlds of contemporary Asian sites. Interdisciplinary analytical and research concepts are introduced to provide area studies grounding. This course provides preparation to delve into deeper research on Asia connected to broad questions about the natures of democracy, authoritarianism, market formation, social justice, and the media of cultural expression. It informs students aiming to take more advanced courses on Asia and globalization and provides one part of the foundation for the Contemporary Asian Studies major and minor. [CAS201H1](#) introduces the theoretical and conceptual frameworks that are explored through further grounded empirical case studies in upper year CAS courses.

Exclusion: CAS200Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

Courses with Priority Enrolment

In addition to the CAS and joint courses listed below, the following courses offer priority enrolment for CAS students:

- [JPA331Y1 - Issues in Contemporary Chinese Politics](#)
[JPA376Y0 - Transforming Global Politics: Comparative and Chinese Perspectives](#)
[POL215Y1 - Politics and Transformation of Asia-Pacific](#)
[POL328Y1 - Politics and Government in South Asia](#)
[SAS114H1 - Introduction to South Asian Studies](#)
[SAS318H1 - Colonialism and Tradition](#)

CAS202H1 - Global Asian Studies: Sites and Practices

Previous Course Number: CAS200Y1

Hours: 24L

This interdisciplinary course explores a variety of sites and topics in South, Southeast, and East Asia. It explores themes including contemporary and historical articulations of socio-economic development, (post)colonial political formations, urbanization processes, climate change, labour struggles, gender studies, migration, citizenship, and social justice. The course examines the diversity of Asian modernities, cross-regional linkages, and changing approaches to area studies over time. It provides a foundation for the Contemporary Asian Studies major and minor, preparing students for taking more advanced courses on Asia in the global context.

Exclusion: CAS200Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CAS310H1 - Comparative Colonialisms in Asia

Hours: 24L

This course analyzes the impact of colonialism in South, East, and Southeast Asia and the various ways in which pre-colonial traditions intersect with and reshape colonial and postcolonial process across the various regions of Asia. The course will examine the conjunctures of economy, politics, religion, education, ethnicity, gender, and caste, as these have played out over time in the making and re-making of Asia as both idea and place. Attention will be paid to postcolonial and indigenous theories, questions of 'the colonial' from the perspective of Asian Studies, and debates about the meaning of postcolonialism for the study of Asia now and in the future.

Prerequisite: 0.5 FCE in 200 level CAS courses

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

CAS320H1 - Comparative Modernities in Asia

Hours: 24L

Since at least the late 1700s, the effects of capitalism across the globe have profoundly transformed the landscapes of human livelihood, consumption, production and governance in Asia. While colonial empires have declined, new empires have emerged, and a growing number of countries have witnessed the rise of nationalism and independent states, social, political and technological revolutions, and most recently neoliberal globalization. This course theorizes and explores these dramatic changes in a comparative framework. It is aimed at students wishing to better understand the great transformations of modern Asia in a global context.

Prerequisite: 0.5 FCE in 200 level CAS courses

Recommended Preparation: CAS202H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

JPA331Y1 - Issues in Contemporary Chinese Politics

Hours: 48L

The course covers topics of interest in China from the Communist takeover in 1949 through to the reform period of the 1980s, 1990s and 2000s. It will also address aspects of China's diplomacy related to its growing economic power. (*Given by the Department of Political Science and the Contemporary Asian Studies Program*)

Prerequisite: 2.0 POL courses or CAS200Y1/ CAS201H1

Exclusion: POLC16H3

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

CAS350H1 - Asian Youth Cultures

Hours: 24L

In focusing on youth in Asia, this course brings together two disputed cultural formations of substantial contemporary importance. Both youth and Asia are increasingly invoked on the global stage in support of a wide range of interests. Examining practices of young people and the idea of youth in the context of Asia requires critical attention to the promises and fears that attach to the rise of Asian economies, international demographic transitions, the growth of a global middle-class, increasing consumption disparities, changing immigration patterns, expanding technological skills, global/local environmental concerns, and young people's shifting political priorities and loyalties. The course may feature a significant amount of social theory, with authors such as Michel Foucault, Roland Barthes, Louis Althusser, and Stuart Hall.

Prerequisite: Minimum of 6 FCEs

Recommended Preparation: 0.5 FCE in 200 level CAS courses

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Creative and Cultural Representations (1)

CAS360H1 - Asian Genders**Hours:** 24L

This course will explore ways that gender is mobilized and produced in parts of Asia. It seeks to understand gender and sexuality in their diversity and in attempts to "fix" or locate it in various bodies and places. Attempts will be made to see how gender is made knowable in terms of sexuality, medicine, nation, class, ethnicity, religion, and other discourses. The course assumes a willingness to read challenging theory – such as the writings of Judith Butler, Michel Foucault, and Eve Sedgwick – and asks that students commit to regular attendance.

Prerequisite: Minimum of 6 FCEs**Recommended Preparation:** 0.5 FCE in 200 level CAS courses**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**CAS370H1 - Asian Cities****Hours:** 24L

This course offers a multidisciplinary perspective of urban life in Asia. The thematic focus will be on how the urban intersects with modernities and postcolonial formations. Drawing on recent scholarship in the social sciences and the humanities, we will examine the realignment of cultural, political, and economic forces associated with Asia's diverse processes of urbanization.

Prerequisite: Minimum of 6 FCEs**Recommended Preparation:** 0.5 FCE in 200 level CAS courses**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**JHA384H1 - Japan in the World, mid-16th to mid-20th century****Hours:** 24L

This course examines Japan within the context of world history from the mid-16th to the mid-20th century. Rather than seek comprehensive coverage of Japan's national history along a linear timeline, we will use Japan as a lens through which to consider key moments in the history of the modern world.

Prerequisite: HIS102Y1/ HIS103Y1/ HIS107Y1/ HIS241H1/ HIS242H1/ HIS244H1/ HIS250H1/ HIS250Y1/ HIS271Y1/ HIS280Y1/ HIS281Y1/ HIS282Y1/ HIS283Y1/ HIS291H1/ HIS291Y1/ HIS292H1/ HIS292Y1/ HIS297Y1 or permission of the instructor

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)**CAS390H1 - Special Topics****Hours:** 24L

Course content varies in accordance with the interest of the instructor. Check <http://munkschool.utoronto.ca/ai/cas> for an updated description.

Prerequisite: Minimum of 6 FCEs**Recommended Preparation:** 0.5 FCE in 200 level CAS courses**Distribution Requirements:** Social Science**CAS393H1 - Independent Research****Hours:** TBA

Supervised independent research on a topic agreed on by the student and supervisor before enrolment in the course. Open to advanced students with a strong background in contemporary Asian studies. A maximum of one year of Independent Research courses is allowed per program. Contact hours with the supervisor may vary, but typically comprise of one hour per week. Not eligible for CR/NCR option.

Prerequisite: At least 10 FCEs, permission from Program Director**CAS393Y1 - Independent Research****Hours:** TBA

Supervised independent research on a topic agreed on by the student and supervisor before enrolment in the course. Open to advanced students with a strong background in contemporary Asian studies. A maximum of one year of Independent Research courses is allowed per program. Contact hours with the supervisor may vary, but typically comprise of one hour per week. Not eligible for CR/NCR option.

Prerequisite: At least 10 FCEs, permission from Program Director**Distribution Requirements:** Social Science

JHA394H1 - The Asia Pacific War**Hours:** 24L

This course examines the Second World War in the Asia Pacific region and highlights: (1) how imperialism and colonialism of both the Euro-American and Japanese varieties were central to the War's outbreak, conduct, and "resolution"; (2) various "local" rather than simply national experiences and memories of the War, including those of marginalized groups in Japan and its colonies, "comfort women," victims of war atrocities, Asian North Americans, African Americans, and Pacific Islanders.

Prerequisite: HIS107Y1/ HIS242H1/ HIS250H1/ HIS251H1/ HIS263Y1/ HIS271Y1/ HIS280Y1/ HIS281Y1/ HIS282Y1/ HIS283Y1/ HIS284Y1/ HIS292Y1/ HIS311Y1/ HIS317H1/ HIS328H1/ HIS338H1/ HIS343H1/ HIS343Y1/ HIS344H1/ HIS344Y1/ HIS351Y1/ HIS361Y1/ HIS377H1/ HIS385H1/ HIS385Y1

Recommended Preparation: One or more courses on Japan, China, Korea, or Southeast Asia in any department.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

CAS413H1 - Asia and Canada**Hours:** 24S

This course is an interactive, participatory seminar. It will provide an opportunity to complement theoretical understanding about Asia acquired in other courses through hands-on research and experiential learning. The course will enable students to link studying Asia and Canada to career trajectories in the field of development and research.

Prerequisite: At least 14 FCEs

Exclusion: NEW413H1, SAS413H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CAS414H1 - Public Culture and Media in Asia**Hours:** 24S

This upper-level seminar will introduce students to the interdisciplinary study of popular culture and mass-mediated cultural forms in Asia. Through readings about popular protest, festivals, cinema, print, television, and music this course provides methodological tools to interpret the politics of representation and the formation of alternative modernities in the Asian continent and among the diaspora. The course will furthermore familiarize students with a range of theoretical lenses for conceptualizing the different meanings of the public from a modern Asian perspective.

Prerequisite: At least 14 FCEs

Exclusion: NEW414H1, SAS414H1

Recommended Preparation: 1.0 FCE in 200 level CAS courses; 1.0 FCE in 300 level CAS courses

Distribution Requirements: Social Science

Breadth Requirements: Creative and Cultural Representations (1)

CAS420H1 - Asia and the New Global Economy

Previous Course Number: JPA420H1

Hours: 24S

This course explores the rise of Asia and its integration into the new global economy (labour, capitalism, knowledge economy, economic nationalism, inequality, gender, the meaning of capitalism, democracy, among others), exposing students to diverse disciplinary perspectives. Geographical coverage is pan-Asian, including East, Southeast and South Asia.

Prerequisite: At least 14 FCEs

Exclusion: JPA420H1

Recommended Preparation: 1.0 FCE in 200 level CAS courses; 1.0 FCE in 300 level CAS courses

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

CAS430H1 - Nationalism and Revolution in Asia

Hours: 24L

This course explores the far-reaching social, political, and cultural transformations in modern East, Southeast, and South Asia, focusing on the twentieth-century revolutionary histories and struggles to establish modern nation-states. The course adopts a topical approach within a chronological and comparative framework to highlight major historical movements and theoretical issues significant to the Asian experience.

Prerequisite: At least 14 FCEs

Exclusion: HIS382H1, ASI430H1

Recommended Preparation: 1.0 FCE in 200 level CAS courses; 1.0 FCE in 300 level CAS courses

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

CAS498H1 - Independent Research

Hours: TBA

Supervised independent research on a topic agreed on by the student and supervisor before enrolment in the course. Open to advanced students with a strong background in contemporary Asian studies. A maximum of one year of Independent Research courses is allowed per program. Contact hours with the supervisor may vary, but typically comprise of one hour per week. Not eligible for CR/NCR option.

Prerequisite: At least 14 FCEs including CAS200Y1/ CAS201H1 and CAS202H1), CAS310H1; enrolment in the Contemporary Asian Studies major or minor, and permission from the Program Director

Recommended Preparation: CAS320H1

Distribution Requirements: Social Science

CAS498Y1 - Independent Research

Supervised independent research on a topic agreed on by the student and supervisor before enrolment in the course. Open to advanced students with a strong background in contemporary Asian studies. A maximum of one year of Independent Research courses is allowed per program. Contact hours with the supervisor may vary, but typically comprise of one hour per week. Not eligible for CR/NCR option.

Prerequisite: At least 14 FCEs including 1.0 FCE in 200 level CAS courses, 1.0 FCE in 300 level CAS courses, enrolment in the Contemporary Asian Studies major or minor, and permission from the Program Director

Distribution Requirements: Social Science

CAS450H1 - Asian Pathways Research Practice

Hours: 24S

This seminar builds on the systematic overview of research methodologies of the Contemporary Asian Studies major and its capstone course, CAS400H1. CAS450H1 provides students with the opportunity to research questions of contemporary relevance stemming from Asia and its transnational networks and communities. Addressing a range of methodologies, including historical-archival, ethnographic, visual/media, and statistical/quantitative, the course emphasizes research experience outside the classroom, in Asia as well as locally with communities in Toronto. Students will develop their own research contributions while working collaboratively.

Prerequisite: At least 14 FCEs, including 1.0 FCE in 200 level CAS courses and 1.0 FCE in 300 level CAS courses

Exclusion: CAS400Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CAS490H1 - Special Topics in Contemporary Asian Studies

Hours: 24S

Course content varies in accordance with the interest of the instructor. Check <http://munkschool.utoronto.ca/ai/cas> for an updated description.

Prerequisite: At least 14 FCEs including 1.0 FCE in 200 level CAS courses, 1.0 FCE in 300 level CAS courses, and enrolment in the Contemporary Asian Studies major or minor or permission from the Program Director.

Distribution Requirements: Humanities; Social Science

Centre for Criminology and Sociolegal Studies

Faculty List (Undergraduate only)

Professor Emeriti

A.N. Doob, AB, Ph D, FRSC
R. Gartner, BA, MS, Ph D
† P.H. Solomon, MA, PhD

Professor and Director

A. Macklin, BSc, LLB, LLM

Professors

K. Hannah-Moffat, BA, MA, Ph D
M. Valverde, BA, MA, Ph D, FRSC

Associate Professors

M. Light, AB, MA, JD, Ph D
S. Wortley, MA, Ph D

Assistant Professors

†V. Chiao, BA, JD, Ph D
C. Evans, BA, MA, Ph D
B. Jauregui, BA, MA, Ph D
A. Laniyonu, BA, MA, Ph D

Assistant Professor, Teaching Stream

K. Taylor, BES, LLB, D Jur

Lecturer

W. Watson, BSc, Ph D

† Cross-appointed

Introduction

The Centre for Criminology and Sociolegal Studies (CrimSL) is a research and teaching unit at the University of Toronto. Founded in 1963 by Prof. John Edwards, CrimSL faculty and students study crime, justice, and governance through law from a variety of disciplinary perspectives and theoretical approaches. With backgrounds in sociology, anthropology, history, law, psychology, philosophy and political science, the faculty are actively engaged in Canadian and international criminological and sociolegal research. The CrimSL library (the Criminology Information Service) houses the leading Canadian research collection of criminological material, consisting of more than 25,000 books, journals, government reports, statistical sources and other documents.

The Criminology and Sociolegal Studies program incorporates theory, research methods, and knowledge from a wide range of disciplines. The program provides students with a sound foundation for the understanding of crime and the administration of justice in Canada and abroad, and, more generally, the processes of social order and disorder. The curriculum also responds to the Truth and Reconciliation Commission's calls to action by offering courses in Indigenous peoples and criminal justice and Indigenous law, as well as incorporating attention to Indigineity in other courses. Most students combine their studies in Criminology and Sociolegal Studies with programs in Political Science, Psychology or Sociology.

People with backgrounds in Criminology and Sociolegal Studies are found working in Correctional Services, Law Enforcement, Courts,

Government departments, NGOs and other settings. Some careers in Criminology and Sociolegal Studies require additional education and experience beyond the undergraduate level. Please visit our website for a comprehensive career information page, course forms and other program resources. The Program Office is located in Woodsworth College and students in the program continue to benefit from the rich academic support services and facilities available at the College.

Program Office | Criminology and Sociolegal Studies
Woodsworth College | 119 St. George Street - Room 236 | Toronto
ON M5S 1A9
CrimSL@utoronto.ca
<http://wdw.utoronto.ca/index.php/programs/affiliatedCentres>
<http://criminology.utoronto.ca/>

Regarding Program Enrolment

Admission to major and specialist programs will be determined by a student's mark in specific courses taken in the Fall and Winter terms immediately preceding the Spring program admission cycle. Details on the entry requirements are listed below. These are limited enrolment programs that can only accommodate a limited number of students. Achieving the minimum required marks does not necessarily guarantee admission to the program in any given year. Requests for admission will be considered in the first program request period only. For detailed program application instructions, please consult the [Arts & Science Program Toolkit](#). Do not change your program after year 3 if you are required to complete your degree in four years as prerequisites and program requirements will not be waived. Due to the limited enrolment nature of this program students are strongly advised to enroll in backup programs.

Criminology and Sociolegal Studies Programs

Criminology and Sociolegal Studies - Specialist (Arts Program) - ASSPE0826

Enrolment Requirements:

This is a limited enrolment program and achieving the minimum mark threshold does not guarantee admission to the Criminology and Sociolegal Studies specialist in any given year. Eligibility will be based on a student's mark in the required courses listed below. The precise mark threshold is an estimate of what will be required in the Spring program admission cycle.

Applying after first year: There is no admission to this program after first year.

Applying after second year:

1. Student must be enrolled in the Criminology and Sociolegal Studies major (ASSPE0826) and have completed a minimum of 8.0 FCEs.
2. The estimated mark threshold is a combined average of at least 80% in [CRI205H1](#), [CRI210H1](#) and [CRI225H1](#).

Applying after third year:

1. Student must be enrolled in the Criminology and Sociolegal Studies major (ASMAJ0826) and have completed at least 12.0 FCEs.
2. The estimated mark threshold is a combined average of at least 80% in four 300+ level half-credit CRI lecture or seminar courses and 1.0 FCE from CRI205H1, CRI210H1 and CRI225H1.

Important:

1. Requests for admission will be considered in the first program request period only. For detailed program enrolment instructions and application deadlines for restricted programs please click [here](#).
2. Due to the limited enrolment nature of this program students are strongly advised to enroll in backup programs.

Completion Requirements:

The following requirements apply to students admitted to the Criminology and Sociolegal Studies specialist in 2018. Each course requirement is individual and cannot be used more than once. A course taken on a CR/NCR basis may not be used to satisfy program requirements.

Total FCEs: 11.0 of which 7.0 FCEs must be CRI courses (including 3.0 FCEs 300+level courses from Group A and 1.0 FCE 400-level from Group B) .

1. 2.0 FCEs from ECO/HIS/PHL/POL/PSY/SOC (any combination/level)
 2. All of: CRI205H1, CRI210H1, CRI225H1, CRI335H1, CRI340H1, CRI343H1, CRI350H1
 3. At least 2.5 FCEs from Group A
 4. At least 1.0 FCE from Group B
 5. Additional FCEs (excluding those already counted) from Groups A, B or C for a total of 11.0 FCEs
- Note: Students may use a maximum of 1.0 Independent Study FCE and 1.0 Research Participation FCE towards their Criminology & Sociolegal Studies program.

Group A: CRI300H1/ CRI364H1/ CRI365H1/ CRI370H1/
CRI380H1/ CRI383H1/ CRI385H1/ CRI390H1/ CRI391H1/
CRI392H1/ CRI393H1/ CRI394H1/ CRI395H1/ CRI396H1/
CRI450H1

Group B: CRI415H1/ CRI420H1/ CRI422H1/ CRI425H1/
CRI427H1/ CRI428H1/ CRI429H1/ CRI431H1/ CRI435H1/
CRI445H1/ CRI480H1/ CRI487H1/ CRI490H1/ CRI491H1/
CRI498H1

Group C: ANT444Y / HIS411H1 / PHL271H1 / PHL370H1 / POL242Y /
PSY201H1 / PSY202H1 / PSY220H1 / PSY240H1 / PSY328H1 /
SOC205H1 / SOC212H1 / SOC306Y / SOC313H1 / SOC315H1 /
SOC413H1 / TRN412H1 / CRI215H1 / CRI389Y0

Note about non CRI courses:

1. Group C courses are offered by other departments. Registration in these courses may be available only to students who have completed specified prerequisites and/or are enrolled in a program sponsored by the department offering the course. Course enrolment conditions are listed in the Arts and Science timetable.

Course descriptions, prerequisites, corequisites and exclusions are listed in the Calendar.

2. Students who have completed criminology/sociolegal type courses in the Faculty of Arts and Science that are not included in Group C may email the Program Coordinator to find out if the courses can be used towards the Group C program requirements.

Criminology and Sociolegal Studies - Major (Arts Program) - ASMAJ0826

Enrolment Requirements:

This is a limited enrolment program and achieving the minimum mark threshold does not guarantee admission to the Criminology and Sociolegal Studies major in any given year. The precise mark threshold is an estimate of what will be required in the Spring program admission cycle.

Applying after first year:

1. Completion of at least four full-course equivalents including two full-course equivalents with the following course code indicators: ECO/HIS/PHL/POL/PSY/SOC.
2. The two ECO/HIS/PHL/POL/PSY/SOC full-course equivalents must be taken in the Fall and Winter terms immediately preceding the Spring program admission cycle.
3. Any course and level combination from the ECO/HIS/PHL/POL/PSY/SOC list is acceptable.
4. Courses with other course code indicators will not be accepted.
5. The estimated mark threshold in these two full-course equivalents is a combined average of 70%.

Applying after second or third year: Same as above.

Important:

1. Requests for admission will be considered in the first program request period only. For detailed program enrolment instructions and application deadlines for restricted programs please click [here](#).
2. Due to the limited enrolment nature of this program students are strongly advised to enroll in backup programs.

Completion Requirements:

The following requirements apply to students admitted to the Criminology and Sociolegal Studies major in 2018. Students must complete a total of 8.0 FCEs including a minimum of 2.0 CRI 300+level FCEs, of these 0.5 must be a 400-level CRI course. A course taken on a CR/NCR basis may not be used to satisfy program requirements.

- 1: 2.0 FCEs from ECO/HIS/PHL/POL/PSY/SOC
 - 2: All of CRI205H1, CRI210H1, CRI225H1
 - 3: At least 2.0 300+ level FCEs from Group A, at least 0.5 must be a 400-level lecture/seminar course
 - 4: At least 0.5 from Group B
 - 5: Additional courses (excluding those already counted) from Groups A and C for a total of 8.0 FCEs
- Note: Students may use a maximum of 1.0 Independent Study FCE

and 1.0 Research Participation FCE towards the Criminology & Sociolegal Studies program.

Group A: CRI300H1/ CRI335H1/ CRI340H1/ CRI343H1/ CRI364H1/ CRI365H1/ CRI370H1/ CRI380H1/ CRI383H1/ CRI385H1/ CRI386H1/ CRI390H1/ CRI391H1/ CRI392H1/ CRI393H1/ CRI394H1/ CRI395H1/ CRI396H1/ CRI415H1/ CRI420H1/ CRI422H1/ CRI425H1/ CRI427H1/ CRI428H1/ CRI429H1/ CRI431H1/ CRI435H1/ CRI445H1/ CRI480H1/ CRI487H1/ CRI490H1/ CRI491H1/ CRI498H1

Group B: PSY201H1/ PSY202H1/SOC200H/ SOC202H1/ CRI350H1

Group C: ANT444Y/ HIS411H1/ PHL271H1/ PHL370H1/ PSY220H1/ PSY240H1/ PSY328H1/ SOC205H1/ SOC212H1/ SOC306Y/ SOC313H1/ SOC315H1/ SOC413H1/ TRN412H1/ CRI215H1/ CRI389Y0

Important Notes:

1. Group C Courses: These courses are offered by other academic units. Registration in these courses may be available only to students who have completed specified prerequisites and/or are enrolled in a program sponsored by the academic unit offering the course. Check the Faculty of Arts and Science's timetable for details.
2. Students who have completed criminology/sociolegal type courses in the Faculty of Arts and Science (not included in Group C) may email the Program Coordinator to find out if these courses can be used towards the Group C requirements.

Not all courses are offered every year. Please check the timetable for current course offerings and enrolment restrictions/conditions. Students without course prerequisites may be removed at any time they are discovered. Course descriptions, prerequisites, corequisites and exclusions are listed below.

Criminology and Sociolegal Studies Courses

CRI205H1 - Introduction to Criminology

Hours: 24L/12T

An introduction to the study of crime and criminal behaviour. The concept of crime, the process of law formation, and the academic domain of criminology. Theories of crime causation, methodologies used by criminologists, and the complex relationship between crime, the media and modern politics.

Prerequisite: Min. 4.0 FCEs

Corequisite: CRI225H1

Exclusion: WDW205H1, WDW200Y1

Recommended Preparation: 2 FCEs from ECO/HIS/PHL/POL/PSY/SOC with a combined average of at least 70%

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CRI210H1 - Criminal Justice

Hours: 24L/12T

An introduction to the Canadian criminal justice system. The institutions established by government to respond to crime and control it; how they operate, and the larger function they serve; including the role of the police, the trial process, courts and juries, sentencing, imprisonment and community corrections.

Prerequisite: CRI205H1, CRI225H1

Exclusion: WDW210H1, WDW200Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CRI215H1 - Introduction to Sociolegal Studies

Hours: 24L/12T

The course covers several major issues that will help prepare students for advanced courses in the criminology major: the meaning of law, the production of laws and legal institutions, law in action, comparative legal traditions, and the methodology of sociolegal studies.

Prerequisite: Min. 4.0 FCEs

Exclusion: WDW215H1

Recommended Preparation: 2 FCEs from ECO/HIS/PHL/POL/PSY/SOC with a combined average of at least 70%

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CRI225H1 - Criminal Law**Hours:** 24L/12T

The main principles and themes of Canadian criminal law; legal definitions of crime, requirements of a criminal act (actus reus), criminal intention (mens rea), causation and defences. The origins, goals and functioning of criminal law, and limits on the power of the state to criminalize behaviour.

Prerequisite: Min. 4.0 FCEs**Corequisite:** CRI205H1**Exclusion:** WDW225H1, WDW220Y1

Recommended Preparation: 2 FCEs from ECO/HIS/PHL/POL/PSY/SOC with a combined average of at least 70%

Distribution Requirements: Social Science**Breadth Requirements:** Society and its Institutions (3)**CRI340H1 - Punishment: Theory and Practice****Hours:** 36L

The study of punishment from historical and philosophical perspectives, with a focus on contemporary Canadian policy issues. Topics covered include penal theory, prisons and non-carceral forms of punishment, and the goals of penal reform.

Prerequisite: CRI205H1, CRI210H1, CRI225H1**Exclusion:** WDW340H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**CRI343H1 - Comparative Criminal Justice****Hours:** 36L

Criminal justice issues outside Canada, based on a variety of international and historical studies. The evolution of criminal justice systems in Western Europe, including the English adversarial and continental European inquisitorial approaches. A comparison of policing, criminal procedure, forms of punishment, and crime rates in the contemporary world.

Prerequisite: CRI205H1, CRI210H1, CRI225H1**Exclusion:** WDW393H1 taken in 2008-09, WDW343H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**CRI350H1 - Understanding Criminological Research****Hours:** 36L

An introduction to social science research methods used by criminologists. An understanding of the strengths and weaknesses of published criminological research is developed. Specific technical issues such as sampling and measurement are taught in the context of examining alternative ways of answering research questions.

Prerequisite: CRI205H1, CRI210H1, CRI225H1**Exclusion:** SOC200H1, SOC200Y1, WDW350H1, WDW350Y1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**CRI335H1 - Policing****Hours:** 36L

A theoretical framework is developed to examine the nature of policing, its structure and function. Attention is given to the history of policing as a global form of social practice. We examine the perspectives of both "the police" and "the policed", as well as the objectives, domains, strategies, and authority of contemporary policing, including decision-making, organizational culture, and accountability.

Prerequisite: CRI210H1/ CRI215H1**Exclusion:** WDW335H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)

CRI364H1 - Indigenous Peoples & Criminal Justice

Hours: 36L

An introduction to issues affecting Indigenous peoples in the Canadian criminal justice system identified by Indigenous scholars, activists and allies. Topics include: effects of colonization, legal discrimination and disenfranchisement, Treaties and land claims, criminalization, Indigenous activism, and the Truth and Reconciliation Commission.

Prerequisite: 1 FCE from CRI205H1, CRI210H1, CRI215H1, CRI225H1

Exclusion: CRI394H1 Topics: Indigenous Peoples & Criminal Justice taken in 20171

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CRI380H1 - Crime, Gender and Sex

Hours: 36L

Theory, research and policy related to the ways in which gender shapes criminal behaviour, the administration of criminal justice, and the criminal law. How notions of different types of masculinity and femininity are embedded in and influence both the operation of the criminal justice system as well as criminal behaviours. The regulation of gender and sexuality through the criminal law and through crime.

Prerequisite: (CRI205H1 and CRI210H1) or (70% in SOC212H1 and enrolment in Sociology program)

Exclusion: WDW380H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CRI383H1 - Immigration, Ethnicity and Crime

Hours: 36L

The connection between immigration and crime, the effect of immigration on crime rates, discrimination against immigrants, the representation of immigrants in crime statistics, public perception of risk and security, and criminal justice policy changes which affect immigration. We consider research conducted in North America and Europe.

Prerequisite: CRI205H1 or SOC212H1

Exclusion: WDW383H1, WDW390H1 in 2008

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CRI385H1 - Representing Crime and Authority

Hours: 36L

Cultural constructions of crime, disorder, dangerousness and risk are integral parts of the criminal justice system. A critical analysis of how criminal justice personnel, the media, and academic criminologists construct their authority through symbols and images, in order to "explain" and manage crime, and how these representations are regarded in public discourse.

Prerequisite: 1.0 FCE from CRI205H1, CRI210H1, CRI225H1

Exclusion: WDW385H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CRI365H1 - Crime and Mind

Hours: 36L

Legal, psychological and sociological understandings of issues in the criminal justice system, through a consideration of topics including: criminal intent, the Not Criminally Responsible on Account of Mental Disorder defence, the use of battered woman syndrome as part of a self-defence, infanticide, issues of transcultural psychiatry, and jury screening for bias.

Prerequisite: 1.0 FCE from CRI205H1, CRI210H1, CRI225H1

Exclusion: WDW365H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CRI370H1 - Youth Justice

Hours: 36L

The course will examine what is known about offending by youths and the various purposes that have been attributed to youth justice systems. The course will focus, in large part, however, on the nature of the laws and youth justice systems that have been designed in Canada and elsewhere to respond to offending by youths.

Prerequisite: CRI205H1, CRI210H1, CRI225H1

Exclusion: WDW370H1, WDW375H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CRI386H1 - Origins of Criminal Justice**Hours:** 36L

Criminal justice practice, as well as political debate concerning crime and criminal justice, are often influenced by ideas that are initially developed outside the criminal justice arena. This course examines the history, current influence and efficacy of a range of such ideas, such as: the role of religious practice in rehabilitating offenders; military service and participation in sports as preventive of delinquency; the influence of environmental pollution on crime rates; the concept of the 'problem family'; intelligence based policing and the use of management theories in criminal justice organizations.

Note: The course may include an optional Service Learning component. If offered, additional information will be provided in the Faculty of Arts and Science's [timetable](#).

Prerequisite: CRI205H1, CRI210H1**Exclusion:** CRI390H1 Roots of Criminal Justice Policy taken in 2014/2015/20161.**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**CRI391H1 - Topics in Criminology and Sociolegal Studies****Hours:** 36L

The objective of the course is to explore emerging issues in Criminology, and their social, legal, ethical and political implications. Topics vary from year to year.

Prerequisite: 1 FCE from CRI205H1, CRI210H1, CRI225H1**Exclusion:** WDW391H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**CRI392H1 - Topics in Criminology and Sociolegal Studies****Hours:** 36L

The objective of the course is to explore emerging issues in Criminology, and their social, legal, ethical and political implications. Topics vary from year to year.

Prerequisite: 1 FCE from CRI205H1, CRI210H1, CRI225H1**Exclusion:** WDW392H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**CRI393H1 - Topics in Criminology and Sociolegal Studies****Hours:** 36L

The objective of the course is to explore emerging issues in Criminology, and their social, legal, ethical and political implications. Topics vary from year to year.

Prerequisite: 1 FCE from CRI205H1, CRI210H1, CRI225H1**Exclusion:** WDW393H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**CRI389Y0 - Topics in Criminology and Sociolegal Studies Abroad****Hours:** TBA

Topics in Criminology and Sociolegal Studies offered in an international setting. The content may vary from year to year. Details are posted on the Summer Abroad [website](#).

Prerequisite: Consult the Summer Abroad Program Office.**Exclusion:** WDW389Y0**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**CRI390H1 - Topics in Criminology and Sociolegal Studies****Hours:** 36L

The objective of the course is to explore emerging issues in Criminology, and their social, legal, ethical and political implications. Topics vary from year to year.

Prerequisite: 1 FCE from CRI205H1, CRI210H1, CRI225H1**Exclusion:** WDW390H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)

CRI394H1 - Topics in Criminology and Sociolegal Studies

Hours: 36L

The objective of the course is to explore emerging issues in Criminology, and their social, legal, ethical and political implications. Topics vary from year to year.

Prerequisite: 1 FCE from CRI205H1, CRI210H1, CRI225H1

Exclusion: WDW394H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CRI415H1 - Politics and Crime

Hours: 24S

An advanced seminar examining the development of criminal justice and penal policies in Canada, the United States, Western Europe and Russia; the way authorities in those countries define and manage political deviance and the intrusion of politics into the administration of justice, especially in non-democratic settings.

Prerequisite: A minimum average of 77% in 4 CRI 300 half-credit lecture/seminar courses

Exclusion: CRI3120H1, WDW415H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CRI395H1 - Independent Study

Hours: TBA

Independent study under the direction of a faculty member. Open only when a faculty member is willing and available to supervise. Consult the program [website](#) for additional information. Not eligible for CR/NCR option.

Prerequisite: CRI205H1, CRI210H1, CRI225H1 and 2 CRI 300 half-credit lecture/seminar courses, approval of the Program Coordinator

Exclusion: CRI395Y1, WDW395H1 Criminology

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CRI420H1 - Current Issues in Criminal Law

Hours: 24S

An advanced seminar exploring in detail current issues in criminal law. The objective of the course is to discuss current policy and case law developments in the criminal law, and their social, political and ethical implications. The role of Parliament and the judiciary in the development of the criminal law is considered. Topics vary from year to year.

Prerequisite: 2 CRI 300 half-credit lecture/seminar courses

Exclusion: WDW420H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CRI396H1 - Research Participation

Hours: TBA

Credit course for supervised participation in a faculty research project. Offered only when a full-time faculty member from the Centre for Criminology & Sociolegal Studies is willing and available to supervise. Consult the program website for additional information. Not eligible for CR/NCR option.

Prerequisite: 9 FCEs. A CGPA of at least 3.0 is recommended. Approval of the Program Coordinator.

Exclusion: CRI397Y1, WDW396H1 Criminology

Breadth Requirements: Society and its Institutions (3)

CRI422H1 - Indigenous Law

Hours: 24S

Seminar course exploring Indigenous law, settler state law, and the complex interrelationship between the two in Canada. Topics include: legal sources, forms and processes; sovereignty, territory and jurisdiction; treaty relationships; Indigenous peoples in international law; Indigenous rights and the constitution; environmental use, relations and protection; and Indigenous self-determination and governance.

Prerequisite: 1 FCE from CRI205H1, CRI210H1, CRI215H1, CRI225H1. 0.5 FCE from CRI 300-level

Exclusion: CRI490H1 Advanced Topics in Criminology: Indigenous Law taken in 20169

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CRI399Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

CRI425H1 - The Prosecution Process**Hours:** 24L

A critical examination of the process by which certain conduct is identified, prosecuted and punished as "crime", and the process by which individuals become "criminals". The evolution of the modern prosecution system, including the exercise of prosecutorial discretion, rules of evidence, socially constructed defences, disparity in sentencing, and wrongful convictions.

Prerequisite: CRI205H1, CRI210H1, CRI225H1, 0.5 CRI 300 level course

Exclusion: WDW320H1, WDW425H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CRI429H1 - Youth Culture, Racialization and Crime in the Global Context**Hours:** 24S

An advanced seminar exploring youth culture and its possible connection to criminality from an international perspective.

Prerequisite: 2 CRI 300 half-credit lecture/seminar courses (0.5 may be substituted by a 300+ level HIS/PHL/PSY/SOC course)

Exclusion: WDW429H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CRI427H1 - Organized Crime and Corruption**Hours:** 24S

An advanced seminar exploring the history and characteristics of organized crime and corruption.

Prerequisite: 2 CRI 300 half-credit lecture/seminar courses

Exclusion: WDW427H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CRI431H1 - Mental Health, Morality & Legal Controls**Hours:** 24S

A critical exploration of contemporary debates in criminology, and legal and moral philosophy concerning the diagnostic and criminal justice labeling of mental disorders such as psychopathy and paedophilia, and their representation in popular culture.

Prerequisite: 2 CRI 300 half-credit lecture/seminar courses

Exclusion: WDW431H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CRI428H1 - Neighbourhoods and Crime**Hours:** 24S

An advanced seminar exploring the connection between neighbourhoods and the perpetuation of poverty, social marginalization, segregation and crime. The course may include an optional Service Learning component. Check the timetable for details.

Prerequisite: 2 CRI 300 half-credit lecture/seminar courses

Exclusion: WDW428H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CRI435H1 - Advanced Seminar in Policing**Hours:** 24S

This course will explore policing in a comparative and historical context. Issues to be covered include the following: the maintenance of law and order before police forces; development of police forces in continental Europe and the English-speaking world; structure and function of national police forces around the world today; the role of political and secret police forces; and contemporary debates on the mission and regulation of the police in contemporary North America including issues such as police-community relations, private policing, and counter-terrorism.

Prerequisite: 2 CRI 300 half-credit lecture/seminar courses.

Exclusion: CRI3130H1, WDW435H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CRI445H1 - International Criminal Law**Hours:** 24S

An advanced seminar focusing on the legal and conceptual framework for responding to state violence and war crimes, and the challenges faced by various international legal institutions. Legal doctrines of sovereign immunity and universal jurisdiction, the history of international criminal prosecutions, and substantive international criminal law are examined.

Prerequisite: 2 CRI 300 half-credit lecture/seminar courses**Exclusion:** CRI3340H1, WDW425H1 taken in 2008-2009; WDW445H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**CRI487H1 - Law, Space, and the City****Hours:** 24S

An introduction to interdisciplinary studies of law and space, this course covers a broad range of topics, from work on empire and colonialism by legal historians and indigenous scholars to studies of national spaces, urban spaces, and bodily spaces. Some background in either legal studies or cultural geography is desirable. Open to students in law, geography, anthropology, women/gender studies, and sociology, though permission of the instructor is required.

Prerequisite: 2 CRI 300 half-credit lecture/seminar courses**Exclusion:** CRI3256H1 (when offered as a joint course), WDW487H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**CRI450H1 - Advanced Research/Reading****Hours:** TBA

A supervised individual or group project under the direction of a faculty member from the Centre for Criminology & Sociolegal Studies. Approval of the Undergraduate Coordinator is required. Form is available on the Program Office [website](#). Not eligible for CR/NCR option.

Prerequisite: 3 CRI 300 half-credit lecture/seminar courses and minimum 3.0 CGPA.**Exclusion:** WDW450H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**CRI490H1 - Advanced Topics in Criminology and Sociolegal Studies****Hours:** 24S

The objective of the course is to explore emerging issues in Criminology, and their social, legal, ethical and political implications. Topics vary from year to year.

Prerequisite: 2 CRI 300 half-credit lecture/seminar courses**Exclusion:** WDW490H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**CRI480H1 - Interpersonal Violence****Hours:** 24S

The meaning, purposes and sources of interpersonal violence, including an examination of debates over defining and documenting violence, and a review of the research on the relationships between illegitimate, interpersonal violence and state-approved or state-initiated violence. Cultural, social and individual correlates of interpersonal violence; the violence of the law; and how violence is justified and denied.

Prerequisite: 2 CRI 300 half-credit lecture/seminar courses**Exclusion:** WDW400H1 in 2004-2006, WDW480H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**CRI491H1 - Advanced Topics in Criminology and Sociolegal Studies****Hours:** 24S

Topics vary from year to year. The objective of the course is to explore emerging issues in Criminology, and their social, legal, ethical and political implications.

Prerequisite: 2 CRI 300 half-credit lecture/seminar courses**Exclusion:** WDW491H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)

CRI498H1 - Intensive Course

Hours: TBA

Content in any given year depends on instructor. Intensive courses are offered by distinguished visitors from around the world.

Students in their 4th year are strongly encouraged to take advantage of this unique opportunity to study with one or more outstanding visiting international scholars that the Centre for Criminology & Sociolegal Studies brings from time to time. The intensive course usually runs for approximately 3-4 weeks.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

Diaspora and Transnational Studies

Faculty List

Professor

K. O'Neill, MA, Ph D
N. Seidman, MA, Ph D
A. Shternshis, MA, Ph D

Associate Professors

K. MacDonald, MA, Ph D (University of Toronto Scarborough)

Introduction

Interdisciplinary program

Where is home? Need it be in one place? Is it always attached to territory? Diaspora and transnational studies examines the historical and contemporary movements of peoples and the complex problems of identity and experience to which these movements give rise as well as the creative possibilities that flow from movement. The program is comparative and interdisciplinary, drawing from the social sciences, history and the arts. Students are required to take a year long course that offers an introduction to a broad array of themes and disciplinary methodologies. The program offers a wide selection of additional courses, giving students the opportunity to learn about a range of diasporic communities as well as key debates in the field.

Diaspora and Transnational Studies Programs

Diaspora & Transnational Studies Major (Arts Program) - ASMAJ1407

Completion Requirements:

(7 full courses or their equivalent, including at least two 300+ series courses)

1. [DTS200Y1](#)

2. [DTS300H1](#)

3. 4.5 full-course equivalents (FCEs) from Group A and B courses, with at least two FCEs from each group. Coverage must include at least two diasporic communities or regions, to be identified in consultation with the program advisor.

4. Two DTS 400-level courses

Diaspora & Transnational Studies Minor (Arts Program) - ASMIN1407

Completion Requirements:

(4 full courses or their equivalent, including at least one 300+ series course)

1. [DTS200Y1](#)

2. [DTS300H1](#)

3. 2 full-course equivalents (FCEs) from Group A and B courses, with at least one FCE from each group.

4. One DTS 400-level course

Group A (Humanities) Courses

Students are responsible for checking the co- and prerequisites for all courses in Groups A and B.

Note: course = one full course or the equivalent in half courses.

Centre for Jewish Studies

[CJS200H1](#) Introduction to Jewish Thought

[CJS201H1](#) Introduction to Jewish Culture

[CJS220H1](#) The Holocaust in Fiction

[CJS230H1](#) God, Nation, and Self Transformed: The Secularization of the Jewish Experience

[CJS389H1](#) Jewish Secularism and Messianic Thought: From Spinoza to Derrida

[CJS401H1](#) Community & Identity

East-Asian Studies

[EAS105H1](#) Modern East-Asian History

[EAS247H1](#) History of Capitalism in Modern Japan

[EAS251H1](#) Aesthetics and Politics in 20th Century Korea

[EAS271H1](#) 20th Century Korean History

[EAS289Y1](#) Environment and East Asia

[EAS314H1](#) Culture and World After Hiroshima and Nagasaki

[EAS315H1](#) The "Yellow Peril": Past & Present

[EAS333H1](#) Modernism and Colonial Korea

[EAS374H1](#) Modern Japan and Colonialism

[EAS420H1](#) Travels, Travelers and Travel Accounts in Asia

[EAS439H1](#) The Global Bildungsroman: Narratives of Development, Time and Colonialism

[EAS474H1](#) U.S. & Canada's Wars in Asia

[EAS484Y1](#) The Japanese Empire

[EAS497H1](#) Beyond Imperialism

English

[ENG270Y1](#) Colonial and Postcolonial Writing

[ENG285H1](#) The English Language in the World

[ENG359H1](#) African Canadian Literature

[ENG366H1](#) Caribbean Literature

[ENG367H1](#) African Literatures in English

[ENG368H1](#) Asian North American Literature

[ENG369H1](#) South Asian Literatures in English

[ENG370H1](#) Postcolonial and Transnational Discourses

Finnish

[FIN320H1](#) The Finnish Canadian Immigrant Experience

French

- FRE438H1 Advanced Topics in Francophone Literatures
FRE332H1 Francophone Literatures
FRE334H1 Francophone Cinema
FRE336H1 Postcolonialism: Francophone Literatures

German

- GER361H1 Yiddish Literature and Culture in Translation
GER362H1 Jewish Culture in the Soviet Union
GER367H1 Topics in Yiddish or German Jewish Literature and Culture

History

- HIS106Y1 Natives, Settlers and Slaves: Colonizing the Americas
HIS202H1 Gender, Race and Science
HIS208Y1 History of the Jewish People
HIS263Y1 Introduction to Canadian History
HIS282Y1 History of South Asia
HIS283Y1 Southeast Asian Crossroads
HIS284Y1 Viet Nam: Crossroads of Asia
HIS291H1 Latin America: The Colonial Period
HIS294Y1 Caribbean History & Culture: Indigenous Era to 1886
HIS295Y1 African History and Historical Methodology
HIS303H1 The Mediterranean, 600-1300: Crusade, Colonialism, Diaspora
HIS305H1 Popular Culture and Politics in the Modern Caribbean
HIS312H1 Immigration to Canada
HIS330H1 Germany from Frederick the Great to the First World War
HIS336H1 Medieval Spain
HIS338H1 The Holocaust, to 1942
HIS346H1 Rice and Spice in Southeast Asia: A Regional Food History
HIS356Y1 Zionism and Israel
HIS359H1 Regional Politics and Radical Movements in the 20th Century Caribbean
HIS360H1 African-Canadian History, 1606-Present
HIS361H1 The Holocaust, from 1942
HIS366H1 Aboriginal Peoples of the Great Lakes from 1830 to the Present
HIS369H1 Aboriginal Peoples of the Great Lakes from 1500 to 1830
HIS381H1 African Historiography: Knowledge and Identity
HIS382H1 African Historiography: Time and Space
HIS384H1 Colonial Canada
JHA384H1 Japan in the World, mid-16th to mid-20th Century
HIS385H1 The History of Hong Kong
HIS391Y1 Black Freedom in the Atlantic World
HIS392Y1 Screening Freedom
HIS402H1 Canada and Decolonization
HIS403H1 Jews and Christians in Medieval and Renaissance Europe
HIS412Y1 Crusades, Conversions and Colonization in the Medieval Baltic
HIS413H1 Slave Emancipation in the Atlantic World
HIS415Y1 Nationalism and Memory in Modern Europe
HIS429H1 Canada and Empire in the Twentieth Century
HIS431H1 Gender and the Holocaust
HIS433H1 Polish Jews Since the Partition of Poland
HIS439H1 Russia's Empire
HIS444H1 Topics in Jewish History
HIS445H1 Nationalism
HIS446H1 Gender and Slavery in the Atlantic World
HIS448H1 Gender in East and Southeast Asia
HIS467H1 French Colonial Indochina: History, Cultures, Texts, Film
HIS468H1 The Southern Indian Ocean
HIS472H1 Indigenous-Newcomer Relations in Canadian History
HIS474H1 Emancipate from Mental Slavery? Historical Narratives of Caribbean Decolonization
HIS480H1 Modernity and its Others: History and Postcolonial Critique
HIS494H1 Gandhi's Global Conversations

Innis College – Urban Studies

- JGI216H1 Urbanization and Global Change
INI332H1 Cities and Mega-events: Opportunities and Challenges

Italian Studies

- ITA233H1 Italian-Canadian Literature
ITA249H1 Italians in Asia
ITA345H1 Cinema of the Italian Diasporas

Near and Middle Eastern Civilizations

- NMC252H1 Hebrew Bible and Ancient Jewish Literature in Translation
NMC351H1 Dead Sea Scrolls
NMC274Y1 Steppe Frontier in Islamic History
NMC275H1 Muslims and Jews: The Medieval Encounter
NMC284H1 Judaism And Feminism
NMC370Y1 Ancient Israel
NMC384H1 Life Cycle and Personal Status in Judeism
NMC473H1 Intellectuals of the Modern Arab World
NMC475H1 Orientalism and Occidentalism

New College - African Studies

- NEW250Y1 Africa in the 21st Century: Challenges and Opportunities
NEW351Y1 African Systems of Thought
JQR360H1 The Canadian Census: Populations, Migrations and Demographics

New College - Caribbean Studies

- NEW224Y1 Caribbean Thought
NEW324H1 The Contemporary Caribbean in a Global Context
NEW325H1 Caribbean Women Thinkers
NEW328H1 Caribbean Indentureship and its Legacies
NEW429H1 Caribbean Diaspora in Canada

New College – Equity Studies

- NEW341H1 Theories and Histories in Equity Studies
NEW428H1 Caribbean Migrations and Diasporas
NEW449H1 Contemporary Theories in Disability Studies

Portuguese

- PRT252H1 Portuguese Island Culture
PRT255H1 The Brazilian Puzzle: Culture and Identity

Religion

- RLG220H1 Philosophical Responses to the Holocaust
RLG221H1 Religious Ethics: the Jewish Tradition
RLG243H1 Diasporic Religions
RLG280Y1 World Religions: A Comparative Study
RLG319H1 Reconceptualization of Biblical Figures in Early Jewish and Christian Sources
RLG326H1 Judaism and the Roots of Christianity
RLG341H1 Dreaming of Zion: Exile and Return in Jewish Thought
RLG345H1 Social Ecology and Judaism
RLG346H1 Time and Place in Judaism
RLG434H1 Modern Jewish Thought
RLG453H1 Christianity and Judaism in Colonial Context

Slavic Languages and Literature

- SLA202H1 Jewish Communities in Slavic Countries
SLA222H1 Roma (Gypsies) and Slavs
SLA238H1 Literature of the Ukrainian-Canadian Experience
SLA302H1 The Imaginary Jew
SLA303H1 Literary Imagination and Jewish Identity in Modern Europe
SLA312H1 Nabokov
SLA318H1 City of Saints and Sinners: Kyiv through the Centuries
SLA325H1 Magic Prague
SLA357H1 Yugoslavia's Literary Émigrés and Exiles
SLA380H1 Language, Politics and Identity

South Asian Studies

- [SAS114H1](#) Introduction to South Asian Studies
[SAS212Y1](#) Introduction to Hindi
[SAS216H1](#) South Asia: Perspectives on Politics and Society
[SAS318H1](#) Colonialism and Tradition
[SAS413H1](#) Asia and Canada

St. Michael's College

- [SMC413H1](#) The Irish and Scots in Canada
[SMC416H1](#) Irish Nationalism in Canada and the United States

Spanish

- [SPA258H1](#) Introduction to Hispanic Literary Studies
[SPA259H1](#) Introduction to Hispanic Cultural Studies
[SPA375H1](#) Latin American Cinema
[SPA385H1](#) Literature and Social Change in Spanish America
[SPA467H1](#) Topics in Spanish-American Culture
[SPA471H1](#) The Historical Novel in Spanish America
[SPA480H1](#) Theories of Culture in Latin America
[SPA487H1](#) The Culture of Revolution
[SPA488H1](#) Central America Postwar Narrative

University College – Canadian Studies

- [UNI101Y1](#) Citizenship in the Canadian City
[UNI103Y1](#) Gradients of Health in an Urban Mosaic

Victoria College

- [VIC350Y1](#) Creative Writing: A Multicultural Approach

Women and Gender Studies

- [WGS369H1](#) Studies in Post-Colonialism
[WGS420H1](#) Asian/North American Feminist Issues
[WGS426H1](#) Gender and Globalization: Transnational Perspectives

Group B (Social Sciences) courses**Anthropology**

- [ANT204H1](#) Anthropology of the Contemporary World
[ANT318H1](#) The Preindustrial City and Urban Social Theory
[ANT324H1](#) Tourism & Globalization
[ANT340H1](#) Anthropology of Latin America
[ANT341H1](#) China in Transition
[ANT345H1](#) Global Health: Anthropological Perspectives
[ANT346H1](#) Anthropology of Food
[ANT347Y1](#) Metropolis: Global Cities
[ANT348H1](#) Anthropology of Health
[ANT349H1](#) Anthropology and New Technologies
[ANT351H1](#) Contested Environments
[JAL355H1](#) Language and Gender
[ANT356H1](#) Anthropology of Religion
[ANT358H1](#) Medical Anthropology and Social Justice
[ANT359H1](#) Difference in Culture and Society
[ANT364H1](#) Environment & Globalization (formerly ANT364Y1)
[ANT366H1](#) Anthropology of Social Movements: Theory and Method
[ANT370H1](#) Introduction to Social Anthropological Theory
[ANT372H1](#) Cultural Property
[ANT426H1](#) Western Views of the Non-West
[ANT427H1](#) Language, Ideology, & Political Economy
[ANT440H1](#) Society in Transition
[ANT450H1](#) Nature, Culture and the City
[ANT452H1](#) Anthropology & Human Rights
[ANT456H1](#) Queer Ethnography
[ANT458H1](#) Settler-Colonialism and Indigenous Health in Canada
[ANT460H1](#) Global Perspectives on Womens Health
[ANT472H1](#) Japan in Global Context: Anthropological Perspectives (formerly ANT354Y1 and ANT354H1)
[ANT475H1](#) Reading Ethnography: Contemporary Ethnographies
[ANT477H1](#) Transnational Korea in and outside the Peninsula (formerly ANT377H1)

Geography

- [GGR112H1](#) Geographies of Globalization, Development and Inequality
[GGR216H1](#) Global Cities
[JGI216H1](#) Globalization & Urban Change
[GGR241H1](#) Historical Geographies of Urban Exclusion and Segregation
[GGR246H1](#) Geography of Canada
[GGR320H1](#) Geographies of Transnationalism, Migration, and Gender
[JGE321H1](#) Multicultural perspectives on Environmental Management
[GGR326H1](#) Remaking the Global Economy
[GGR336H1](#) Urban Historical Geography of North America
[GGR339H1](#) Urban Geography, Planning and Political Processes
[GGR341H1](#) Changing Geography of Latin America
[GGR342H1](#) The Changing Geography of Southeast Asia
[GGR343H1](#) The Changing Geography of China
[JGI346H1](#) The Urban Planning Process
[GGR360H1](#) Culture, History, and Landscape
[GGR361H1](#) Understanding the Urban Landscape
[GGR363H1](#) Critical Geographies: An Introduction to Radical Ideas on Space, Society and Culture
[GGR430H1](#) Geographies of Markets
[GGR452H1](#) Space, Power, Geography: Understanding Spatiality
[GGR457H1](#) The Post-War Suburbs
[NUS251H0](#) Southeast Asia
[NUS252H0](#) Rice, Spice & Trees: Peasants in Southeast Asia
[NUS253H0](#) Economy and Space
[NUS254H0](#) Geographies of Social Life
[NUS255H0](#) Cities and Urgan Life in Southeast Asia
[NUS256H0](#) Changing Landscape of Singapore
[NUS351Y0](#) Field Studies in Geography: SE Asia
[NUS352H0](#) East Asia
[NUS353H0](#) Globalization and Asian Cities

Impact Centre

- [IMC391H1](#) Exploring New Ventures
[IMC392Y1](#) Exploring New Ventures

New College – Equity Studies

- [NEW342H1](#) Theory and Praxis in Food Security

New College – Caribbean Studies

- [JLN327H1](#) Regional Perspectives on the Hispanic Caribbean

Political Science

- [POL201Y1](#) Politics of Development: Issues and Controversies
[POL207Y1](#) Politics in Europe
[POL215Y1](#) Politics and Transformation of Asia-Pacific
[POL224Y1](#) Canada in Comparative Perspective
[POL301Y1](#) Government and Politics in Africa
[POL305Y1](#) Politics and Society in Latin America
[POL321Y1](#) Ethnic Politics in Comparative Perspective
[POL324H1](#) Politics of Europe and the European Union
[POL343Y1](#) Politics of Global Governance
[POL345Y1](#) Becoming Israel: War, Peace, and the Politics of Israel's Identity
[JPR364Y1](#) Religion and Politics
[POL368Y0](#) Returning to Europe: Bringing South East Europe Into the European Union
[JPR374H1](#) Religion and Power in the Postcolony
[POL383H1](#) Jews and Power
[POL409H1](#) Political Economy of Technology: From the Auto-Industrial to the Information Age
[JPA410H1](#) Democracy and Identity in Asia
[JPA411H1](#) The Political Economy of Global Taiwan
[POL413H1](#) Global Environmental Politics
[POL417Y1](#) The Third World in International Politics
[JPR419H1](#) Secularism and Religion
[POL421H1](#) Maimonides and His Modern Interpreters

POL424H1 Globalization and INdigenous Politics
POL429H1 Nationalism, Ethnic Conflict and Democracy
POL430Y1 Comparative Studies in Jewish and non-Jewish Political Thought
POL442H1 Topics in Latin American Politics
JPF455Y1 Cities
POL467H1 The Politics of Immigration and Multiculturalism in Canada
POL480H1 Pluralism, Justice, and Equality: Political Imaginaries of Global Justice and Global Democracy

Sociology

SOC210H1 Ethnicity in Social Organization
SOC214H1 Family Patterns
SOC218H1 Asian Communities in Canada
SOC220H1 Social Inequality in Canada
SOC244H1 Sociology of Health Care
SOC246H1 The Sociology of Aging
SOC250Y1 Sociology of Religion
SOC256H1 Lives and Societies
SOC279H1 Contentious Politics
SOC281H1 Culture and Inequality
SOC301Y1 Theories of Inequality
SOC304H1 Status Attainment
SOC307Y1 International Migration: Trends and Issues
SOC314H1 Family Relations
SOC315H1 Domestic Violence
SOC336H1 Immigration and Race Relations in Canada
SOC355H1 Introduction to Social Network Analysis
SOC358H1 Cities and Social Pathology
SOC364H1 Urban Health
SOC367H1 Race, Class, and Gender
SOC381Y1 Culture and Social Structure
SOC382H1 Production and Consumption of Culture
SOC383H1 The Sociology of Women and International Migration
SOC388H1 Sociology of Everyday Life
SOC439H1 Immigration and Employment
SOC465H1 Exploring the Complexities of Gender
SOC479H1 Social Movements
SOC481H1 Culture and Social Networks
SOC484H1 Sociology of Immigrant Offspring

University College – Canadian Studies

UNI101Y1 Citizenship in the Canadian City
UNI103Y1 Gradients of Health in an Urban Mosaic
UNI268H1 Canada and Globalization

Victoria College

VIC183H1 Individuals and the Public Sphere: Shaping Memory
VIC184H1 Individuals and the Public Sphere: History, Historiography and Making Cultural Memory
VIC304H1 Praxis and Performance

Women and Gender Studies

WGS450H1 Black Diasporic Feminisms: Modernity, Freedom, Citizenship

Diaspora and Transnational Studies Courses

DTS199H1 - The Bible and Migration

Hours: 24S

From the expulsion of Adam and Eve from Eden to the border-crossings in the book of Ruth and the journey of Joseph and Mary to Bethlehem, the Bible speaks powerfully and in many voices about the experience of displacement and migration. These stories continue to play a complex and important role in modern literature and contemporary debates about migration and migrants. Our course will explore biblical narratives and laws about sojourners, strangers, foreigners, refugees and migrants, follow the paths of these travelers into later religious and political discourse, and attend to the reverberations of these journeys in contemporary art, literature and political discourse. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities; Social Science
Breadth Requirements: Thought, Belief and Behaviour (2)

DTS200Y1 - Introduction to Diaspora and Transnational Studies I

Hours: 48L

What is the relationship between place and belonging, between territory and memory? How have the experiences of migration and dislocation challenged the modern assumption that the nation-state should be the limit of identification? What effect has the emergence of new media of communication had upon the coherence of cultural and political boundaries? All of these questions and many more form part of the subject matter of Diaspora and Transnational Studies. This introductory course examines the historical and contemporary movements of peoples and the complex issues of identity and experience to which these processes give rise as well as the creative possibilities that flow from movement and being moved. The area of study is comparative and interdisciplinary, drawing from the social sciences, history, the arts and humanities. Accordingly, this course provides the background to the subject area from diverse perspectives and introduces students to a range of key debates in the field, with particular attention to questions of history, globalization, cultural production and the creative imagination.

Exclusion: DTS201H1, DTS202H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

Regarding Diaspora and Transnational Studies Courses

University of Toronto Mississauga courses that can be applied to the program

<http://www.utm.utoronto.ca/historical-studies/students/programs/transnational-diaspora-studies>

DTS300H1 - Qualitative and Quantitative Reasoning

Hours: 24L

Focuses on research design and training in methods from history, geography, anthropology, literary and cultural studies, and other disciplines appropriate to Diaspora and Transnational Studies. Prepares students to undertake primary research required in senior seminars.

Prerequisite: DTS200Y1 or CJS200H1 or CJS201H1 or permission of course instructor

Distribution Requirements: Humanities; Social Science

Breadth Requirements: The Physical and Mathematical Universes (5)

JQR360H1 - The Canadian Census: Populations, Migrations and Demographics

Hours: 24L/12T

Examines the Canadian population census through the experience of diasporic groups in Canada. Approaches the census as a statistical tool, an historical source and an ideological project of citizenship and nationalism. Uses census data to explore mathematical and statistical concepts and to integrate numerical ways of thinking with qualitative analysis. (Jointly sponsored by African Studies, Diaspora and Transnational Studies, Caribbean Studies, Equity Studies and Latin American Studies).

Prerequisite: DTS200Y1/ HIS230H1/ HIS231H1/ LAS200H1/ LAS201H1/ NEW120Y1/ NEW150Y1/ NEW220H1/ NEW221H1/ NEW224Y1/ NEW225H1/ NEW226H1/ NEW240Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

DTS390H1 - Independent Study

Hours: TBA

A scholarly project chosen by the student, approved by the Department, and supervised by one of its instructors. Consult with the Diaspora and Transnational Studies Program Office for more information. Not eligible for CR/NCR option.

Prerequisite: DTS200Y1

Distribution Requirements: Humanities; Social Science

DTS390Y1 - Independent Study

Hours: TBA

A scholarly project chosen by the student, approved by the Department, and supervised by one of its instructors. Consult with the Diaspora and Transnational Studies Program Office for more information. Not eligible for CR/NCR option.

Prerequisite: DTS200Y1

Distribution Requirements: Humanities; Social Science

DTS401H1 - Advanced Topics in Diaspora and Transnationalism

Hours: 24S

An in-depth investigation of topics in Diaspora and Transnationalism. Content in any given year depends on instructor. Refer to the Centre for Diaspora and Transnational Studies website (<http://cdts.utoronto.ca/index.php/undergraduate/courses/>) for more information.

Prerequisite: DTS200Y1 or equivalent and a minimum of 15 FCEs

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

DTS402H1 - Advanced Topics in Diaspora and Transnationalism

Hours: 24S

An in-depth investigation of topics in Diaspora and Transnationalism. Content in any given year depends on instructor. Refer to the Centre for Diaspora and Transnational Studies website (<http://cdts.utoronto.ca/index.php/undergraduate/courses/>) for more information.

Prerequisite: DTS200Y1 or equivalent and a minimum of 15 FCEs

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

DTS403H1 - Advanced Topics in Diaspora and Transnationalism

Hours: 24S

An in-depth investigation of topics in Diaspora and Transnationalism. Content in any given year depends on instructor. Refer to the Centre for Diaspora and Transnational Studies website (<http://cdts.utoronto.ca/index.php/undergraduate/courses/>) for more information.

Prerequisite: DTS200Y1 or equivalent and a minimum of 15 FCEs

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

DTS406H1 - Advanced Topics in Diaspora and Transnationalism

Hours: 24S

An in-depth investigation of topics in Diaspora and Transnationalism. Content in any given year depends on instructor. Refer to the Centre for Diaspora and Transnational Studies website (<http://cdts.utoronto.ca/index.php/undergraduate/courses/>) for more information.

Prerequisite: DTS200Y1 or equivalent and a minimum of 15 FCEs

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

DTS404H1 - Advanced Topics in Diaspora and Transnationalism

Hours: 24S

An in-depth investigation of topics in Diaspora and Transnationalism. Content in any given year depends on instructor. Refer to the Centre for Diaspora and Transnational Studies website (<http://cdts.utoronto.ca/index.php/undergraduate/courses/>) for more information.

Prerequisite: DTS200Y1 or equivalent, or CJS200H1 or CJS201H1 and a minimum of 15 FCEs

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

DTS405H1 - Advanced Topics in Diaspora and Transnationalism

Hours: 24S

An in-depth investigation of topics in Diaspora and Transnationalism. Content in any given year depends on instructor. Refer to the Centre for Diaspora and Transnational Studies website (<http://cdts.utoronto.ca/index.php/undergraduate/courses/>) for more information.

Prerequisite: DTS200Y1 or equivalent and a minimum of 15 FCEs

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

Centre for Drama, Theatre and Performance Studies

Faculty List

Director

T. Trojanowska, MA, Ph D

Associate Director (Graduate)

A. Budde, MA, Ph D

Associate Director (Undergraduate)

Professors

A. Ackerman, MA, Ph D
P. Kleber, MA, Ph D

Associate Professors

A. Budde, MA, Ph D
T. N. Cesare Schotzko, MA, M Mus, Ph D
N. Copeland, MA, Ph D (University of Toronto Mississauga)
B. Freeman, MA, Ph D (University of Toronto Scarborough)
T. Trojanowska, MA, Ph D

Assistant Professors

J. Carter, MA, Ph D
X. Fan, MA, Ph D
F. Gagliardi, MA, Ph D
J. Gallagher-Ross, MFA, DFA (University of Toronto Mississauga)
E. Leffler, MA, Ph D (University of Toronto Scarborough)
V.K. Preston, MA, Ph D

Senior Lecturer

K. Gass, BA

Lecturer

S. Boye, MA, Ph D
S. Petic, MFA
D. Sears, MFA

Introduction

Our undergraduate program at the Centre for Drama, Theatre, and Performance Studies offers a unique set of critical and artistic skills through which students attending the University of Toronto may engage the broader social, political, and intellectual facets of a humanities curriculum. Undergraduate Drama (Specialist, Major, Minor) at the Centre combines rich and rigorous scholarship with high standards of practical theatre training through courses in dramatic literature, dramaturgy, theatre and performance theory and history, as well as introductory and advanced studio courses in acting, production, design, directing, and playwriting. Students graduating from our programs have combined honours majors in such areas as Anthropology, Canadian Studies, Cinema Studies, Classics, Commerce, Art, History, Human Biology, Political Science, Psychology, Religion, Sexual Diversity Studies, Sociology, and Women and Gender Studies.

The Centre's undergraduate programs are housed in the Union Playhouse Building at University College, which includes the Helen Gardiner Phelan Playhouse—one of three theatres and a number of related performance and rehearsal venues available to our students

and faculty. More details, including application guidelines and deadlines, can be found on the website at: <https://cdtps.utoronto.ca/>.

The Centre's Undergraduate Administrative Coordinator Colleen Osborn is also available for consultation. For enquiries or an appointment call 416-978-8099 or send an e-mail to c.osborn@utoronto.ca.

Please note: Certain courses are restricted to students in a Drama Specialist, Major or Minor program; others are open to all students of the University. Several courses require an audition, interview or the submission of a portfolio. See below for details.

General Enquiries: Room 300, 79 St. George Street (416-978-8099)

Enrolment in the Specialist and Major programs is limited and selection is normally made after a personal interview, audition and/or portfolio submission. Students will be admitted to the Major or Specialist only after they have been admitted to one of our four Entry Courses: [DRM200Y1](#), [DRM202H1](#), [DRM228H1](#) or [DRM254H1](#) as well as after they have completed 4.0 FCE. Enrolment in the Minor program is unrestricted. Priority is reserved for Drama Majors and Specialists for studio courses (Group B).

Auditions and interviews are held in April and August. First round applications are due on March 10th; second round deadline to apply is August 10th.

Register for a Drama Application: <https://drama-apply.chass.utoronto.ca/login>

Students wanting to progress in studio courses (Group B) need to meet the prerequisites and apply online in order to be registered in these courses. See the website for guidelines and deadlines.

Drama, Theatre and Performance Studies Programs

Drama Specialist (Arts Program) - ASSPE2148

Enrolment Requirements:

Enrolment in the Specialist and Major programs is limited and selection is normally made after a personal interview, audition and/or portfolio submission. Students will be admitted to the Major only after they have been admitted to either [DRM200Y1](#), [DRM202H1](#), [DRM228H1](#) or [DRM254Y1](#) / [DRM254H1](#), and to the Specialist only after completing 8.0 full-course equivalents.

Completion Requirements:

12 full courses or their equivalent (FCE), including at least 4.0 300+ series with at least 1.0 FCE at the 400 level.

1. [DRM100Y1](#) / [DRM101Y1](#) / ([UNI102H1](#), [UNI106H1](#)) / [UNI102Y1](#)
2. [DRM220Y1](#) / [DRM230Y1](#)
3. From Group A: 3.0 FCE
4. From Group B: 2.0 FCE (entry points: [DRM200Y1](#) / [DRM202H1](#) / [DRM228H1](#) / [DRM254Y1](#) / [DRM254H1](#))
5. From Group A, B, C or other DRM: 5.0 FCE to make up the total of 12 full-course equivalents

Note: Students taking Group B Studio courses must take an academic co-requisite from Foundations or a course from Group A. Students who have completed 4.0 FCE can take a maximum of 3 FCE from Group B per year. Students with fewer are only eligible to take 1 FCE from Group B in their first year.

Drama Major (Arts Program) - ASMAJ2148

Enrolment Requirements:

Enrolment in the Major program is limited and selection is normally made after a personal interview, audition and/or portfolio submission. Students will be admitted to the Major only after they have been admitted to either DRM200Y1, DRM228H1 or DRM254Y1/ DRM254H1.

Completion Requirements:

8 full courses or their equivalent (FCE), including at least 2 FCE at the 300+ series courses with at least 0.5 FCE at the 400 level.

1. DRM100Y1/ DRM101Y1/ (UNI102H1, UNI106H1)/ UNI102Y1
2. DRM220Y1/ DRM230Y1
3. From Group A: 2.0 FCE
4. From Group B: 2.0 FCE (entry points: DRM200Y1/ DRM202H1/ DRM228H1/ DRM254Y1/ DRM254H1)
5. From Group A, B, C or other DRM: 2.0 FCE to make up the total of 8 full-course equivalents

Note: Students taking Group B Studio courses must take an academic co-requisite from Foundations or a course from Group A. Students who have completed 4.0 FCE can take a maximum of 3 FCE from Group B per year. Students with fewer are only eligible to take 1 FCE from Group B in their first year.

Drama Minor (Arts Program) - ASMIN2148

Completion Requirements:

4 full courses or their equivalent (FCE) including at least 1.0 FCE at the 300+ level.

1. DRM100Y1/ DRM101Y1/ (UNI102H1, UNI106H1)/ UNI102Y1
2. DRM220Y1/ DRM230Y1
3. From Group A: 1.0 FCE
4. From Groups A, B, C or other DRM (when eligible): 1.0 FCE to make up the total of 4 full-course equivalents

Note: Priority is reserved for Drama Majors and Specialists for Group B Studio courses.

Course Groups

Foundations

- DRM100Y1 Introduction to Acting and Performance
- DRM101Y1 Introduction to Drama, Theatre and Performance Studies
- UNI102H1 Performing the City I
- UNI106H1 Performing the City II
- DRM220Y1 Comparative Theatre Histories
- DRM230Y1 Concepts of Twentieth-Century Theatre

Group A: Drama, Theatre and Performance Studies

- DRM303H1 Theories of Acting
- DRM311H1 Dramaturgy
- DRM342H1 The Contemporary Avant-Garde
- DRM362H1 Theatre and the World
- DRM363H1 Story-ing the Possible: Talking Treaties, Rehearsing (Re) conciliation
- DRM366H1 Canadian Theatre
- DRM385H1 Special Topics in Drama, Theatre and Performance Studies
- DRM385Y1 Special Topics in Drama, Theatre and Performance Studies
- DRM386H1 Special Topics in Drama, Theatre and Performance Studies
- DRM387H1 Special Topics in Drama, Theatre and Performance Studies
- DRM388H1 Special Topics in Drama, Theatre and Performance Studies
- DRM485H1 Senior Seminar in Drama, Theatre and Performance Studies
- DRM485Y1 Senior Seminar: Drama, Theatre and Performance Studies Thesis
- DRM487H1 Senior Seminar in Drama, Theatre and Performance Studies
- DRM488H1 Senior Seminar in Drama, Theatre and Performance Studies
- JIA400H1 Interdisciplinary Practice for the Arts: The Architecture of Creativity
- JDC400Y1 Redefining Security through Art
- JDC410H1 Arts and Politics: Bertolt Brecht, Robert Lepage, Robert Wilson

Group B: Studio

- DRM200Y1 Performance I
- DRM201H1 Voice for the Actor I
- DRM202H1 Directing I
- DRM211H1 Movement for the Actor I
- DRM228H1 Playwriting I
- DRM254H1 Design and Production I
- DRM254Y1 Design and Production I
- DRM300Y1 Performance I
- DRM301H1 Concepts of Voice and Movement
- DRM302H1 Directing II
- DRM311H1 Movement for the Actor II
- DRM328H1 Playwriting II

Notes Regarding Course Groups

Studio Courses (Group B): Students taking a studio course (Group B) are required to take an academic co-requisite from Foundations or any course from Group A.

Group C: Many Group C courses have pre-requisites. Check with the designated department prior to enrollment.

- [DRM354Y1 Design II](#)
- [DRM354H1 Design II](#)
- [DRM355Y1 Production II](#)
- [DRM368H1 Devised Theatre](#)
- [DRM375H1 Special Topics in Studio Practice](#)
- [DRM375Y1 Special Topics in Studio Practice](#)
- [DRM376H1 Special Topics in Studio Practice](#)
- [DRM377H1 Special Topics in Studio Practice](#)
- [DRM378H1 Special Topics in Studio Practice](#)
- [DRM400H1 Advanced Performance](#)
- [DRM400Y1 Advanced Performance](#)
- [DRM401H1 Advanced Concepts in Voice](#)
- [DRM402H1 Advanced Directing](#)
- [DRM403Y1 Mainstage Performance](#)
- [DRM411H1 Advanced Concepts in Movement](#)
- [DRM413H1 Advanced Voice and Movement](#)
- [DRM428H1 Advanced Playwriting](#)
- [DRM454Y1 Advanced Design and Production](#)
- [DRM454H1 Advanced Design](#)
- [DRM455H1 Advanced Production](#)
- [DRM485Y1 Senior Seminar: Drama, Theatre and Performance Studies Thesis](#)
- [DRM486H1 Senior Seminar in Drama, Theatre and Performance Studies](#)

Group C: Related Courses in Other Departments

- [INS300Y1 Worldviews, Indigenous Knowledges, and Oral Tradition](#)
- [INS302H1 Indigenous Representation in the Mass Media and Society](#)
- [INS341H1 North American Indigenous Theatre](#)
- [CLA382H1 Tragedy](#)
- [CLA383H1 Comedy](#)
- [EAS263H1 Classical Japanese Literature](#)
- [ENG220H1 Introduction to Shakespeare](#)
- [ENG330H1 Medieval Drama](#)
- [ENG331H1 Drama 1485-1603](#)
- [ENG335H1 Drama 1603-1642](#)
- [ENG337H1 Drama 1660-1800](#)
- [ENG340H1 Modern Drama](#)
- [ENG341H1 Post-Modern Drama](#)
- [ENG352H1 Canadian Drama](#)
- [FRE319H1 Laughter and Thought in French Renaissance Literature](#)
- [GRK351H1 Greek Comedy I](#)
- [GRK352H1 Greek Tragedy I](#)
- [ITA315Y1 Italian Theatre: Text and Performance](#)
- [ITA390H1 The Commedia dell'Arte](#)
- [LAT351H1 Latin Drama I](#)
- [LAT451H1 Latin Drama II](#)
- [NEW321H1 Caribbean Visual Arts, Social Media and Performance](#)
- [MUS206H1 The World of Opera](#)
- [MUS209H1 Performing Arts of South Asia](#)
- [MUS215H1 Performing Arts of East Asia](#)
- [MUS340H1 20th Century Music for Theatre](#)
- [NEW321H1 Caribbean Visual Arts, Social Media and Performance](#)
- [SLA230H1 Golems and Robots on Stage and Screen](#)

- [SLA267H1 Great Plays in Great Performances](#)
- [SLA342H1 Theatricality and Spectacle in the History of Russian Culture: From Jesters to Meyerhold](#)
- [SLA367H1 Chekhov](#)
- [SLA405H1 On the Waves of the Avant-garde and Beyond: Czech Literature of the 20th Century](#)
- [SLA406H1 Transgressions: Drama, Theatre, Performance](#)
- [SLA475H1 Modern Czech Drama](#)
- [SLA496H1 Prague School Semiotics of Drama, Theatre and Cinema in Contemporary Context](#)
- [SMC367H1 Christianity, Literature, and Theatre](#)
- [SPA384H1 Avant-Garde Movements in Spanish America](#)
- [SPA387H1 Latin American Performative Expression](#)
- [VIC273H1 The Body: An Exercise](#)
- [VIC304H1 Praxis and Performance](#)
- [VIC347H1 Studies in Renaissance Performance](#)
- [VIC470H1 Soundscapes](#)

Special Topics & Independent Studies

- [DRM286H1 Special Topics in Drama: Introduction to Communications](#)
- [DRM299Y1 Research Opportunity Program](#)
- [DRM390Y1 Independent Studies in Drama, Theatre and Performance Studies](#)
- [DRM391H1 Independent Studies in Drama, Theatre and Performance Studies](#)
- [DRM399Y1 Research Opportunity Program](#)
- [DRM490Y1 Independent Studies in Drama, Theatre and Performance Studies](#)
- [DRM491H1 Independent Studies in Drama, Theatre and Performance Studies](#)

Drama, Theatre and Performance Studies Courses

DRM100Y1 - Introduction to Acting and Performance

Hours: 48L/24T

An introduction to performance practice with an emphasis on the historical development and contemporary work of playwrights, actors, and directors. Key theorists, practitioners, and schools will be introduced and students will analyze them through rigorous hands-on, experiential work. This course combines weekly two-hour lectures with one-hour tutorials.

Exclusion: DRM101Y1; DRE121H5 AND DRE122H5; VPDA10H3 AND VPDA11H3; VPDA10H3 AND VPDA15H3; VPDB10H3 AND VPDB11H3

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM101Y1 - Introduction to Drama, Theatre and Performance Studies

Hours: 48L/24T

A broad introduction to the canon of Western drama, the principles of theatre history as well as key artistic movements and notions of arts criticism through a range of dramatic texts, artistic movements, and performance practices, with particular reference to the relationship between dramatic texts and their larger contexts. This course combines weekly two-hour lectures with one-hour tutorials.

Exclusion: DRM100Y1, DRE121H5, DRE122H5, VPDA10H3, VPDA11H3, VPDA10H3, VPDA15H3, VPDB10H3, VPDB11H3

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

DRM202H1 - Directing I

Hours: 24T/36P

An introduction to major concepts and artistic practices in directing, emphasizing theoretical and historical issues with supplemental practical application. The course focuses on different styles, ideas, and goals of theatre directors in their relations to actors, audiences, and broad cultural and political contexts. The [Application Form](#) Deadline is March 10th for the first round of interviews; August 10th for the second round. Please consult the [CDTPS undergraduate web page](#) for information on how to apply.

Prerequisite: An interview in April or in August with a letter of interest. Newly admitted students can apply for an interview before beginning their first year of studies.

Corequisite: DRM100Y1/ DRM101Y1/(UNI102H1, UNI106H1)/ UNI102Y1 or DRM220Y1/ DRM230Y1

Exclusion: VPDC02H3

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM200Y1 - Performance I

Hours: 144P

Emphasis is initially placed on ensemble, non-verbal, and improvisational work. Students proceed to the application of their acquired skills to scripted material. Students may apply in their first or second year of University. The [Application Deadline](#) is March 10th for the first round of auditions; August 10th for the second round. Please consult the [CDTPS undergraduate web page](#) for information on how to apply.

Prerequisite: An audition in April or in August. Newly admitted students can apply for an audition before beginning their first year of studies.

Corequisite: DRM100Y1/ DRM101Y1/(UNI102H1, UNI106H1)/ UNI102Y1 or DRM220Y1/ DRM230Y1

Exclusion: DRS221H5 AND DRS222H5; VPDB01H3 AND VPDB02H3

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM211H1 - Movement for the Actor I

Hours: 2T/48P

An introduction to movement for the actor focusing on body awareness and skill development, ensemble sensibility and stagecraft as it pertains to actor training. See [website](#) for more details.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM220Y1 - Comparative Theatre Histories

Hours: 72L

An intensive study of a range of historical and cross-cultural dramatic and performance texts and practices that contextualize theatre and performance more broadly within the social, political, and cultural parameters in which they take place. Theatre history is necessarily inextricable from world history and this course considers the many ways theatre and performance interact with the globalized world.

Prerequisite: DRM100Y1/ DRM101Y1/(UNI102H1, UNI106H1)/ UNI102Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Thought, Belief and Behaviour (2)

DRM201H1 - Voice for the Actor I

Hours: 2T/48P

An introduction to the dynamics of voice and effective communication as they relate to the development of the actor. Work brings theory into physical practice. See [website](#) for more details.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM228H1 - Playwriting I**Hours:** 36L

A hands-on study of the craft of dramatic writing. The class examines the basic elements of playwriting such as plot, structure, theme, character, dialogue, setting, with an emphasis on story-making. Attention is given to the development of students own work through written assignments and in-class exercises. The [Application Deadline](#) is March 10th for the first round; August 10th for the second round. Please consult the [CDTPS undergraduate web page](#) for information on how to apply.

Prerequisite: A portfolio of writing samples due on March 10th or August 10th. Newly admitted students can submit their portfolio of writing samples before beginning their first year of studies.

Corequisite: DRM100Y1/ DRM101Y1/(UNI102H1, UNI106H1)/ UNI102Y1 or DRM220Y1/ DRM230Y1

Exclusion: DRE362H5

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM254H1 - Design and Production I**Hours:** 36L/12T

A practical and theoretical introduction to the fundamentals of theatrical performance design. This course touches on theatre architecture, conceptual approaches to theatrical design and spatial considerations of live performance. Students will work on case studies and practical projects geared toward understanding theatre terminology, design, and production processes. Students will also explore concrete aspects of technical theatre production, particularly as they pertain to theatrical design elements. Applications are required in order to enroll in this course. First-round applications are due in March, and second-round applications are due in August. Please consult the [CDTPS Application Guidelines](#) for specific procedures and deadlines.

Prerequisite: An interview in April or in August. Newly admitted students can apply for an interview before beginning their first year of studies.

Corequisite: DRM100Y1/ DRM101Y1/(UNI102H1, UNI106H1)/ UNI102Y1 or DRM220Y1/ DRM230Y1

Exclusion: DRM254Y1, VPDB03H3/VPDC03H3

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM230Y1 - Concepts of Twentieth-Century Theatre**Hours:** 72L

An introduction to the shifting landscapes of European theatre theory, history and practice in the late 19th century and their repercussions throughout the 20th and 21st centuries. The course focuses on the developments of modern and postdramatic theatre. It also includes critical analysis of the annual Drama Mainstage production and current Canadian theatre.

Prerequisite: DRM100Y1/ DRM101Y1/(UNI102H1, UNI106H1)/ UNI102Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM254Y1 - Design and Production I**Hours:** 72L/72P

A practical and theoretical introduction to the fundamentals of theatrical performance design. This course touches on theatre architecture, conceptual approaches to theatrical design and spacial considerations of live performance. The students will work on case studies and practical projects geared towards understanding theatre terminology, design and production processes. Students will also consider aspects of technical theatre production as they pertain to theatrical design elements. Applications are required in order to enroll in this course. First-round applications are due in March, and second-round applications are due in August. Please consult the [CDTPS Application Guidelines](#) for specific procedures and deadlines.

Prerequisite: An interview in April or in August. Newly admitted students can apply for an interview before beginning their first year of studies.

Corequisite: DRM100Y1/ DRM101Y1/(UNI102H1, UNI106H1)/ UNI102Y1 or DRM220Y1/ DRM230Y1

Exclusion: DRM254H1, VPDB03H3 AND VPDC03H3

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM286H1 - Special Topics in Drama: Introduction to Communications

Hours: 36P

Effective communication is a pivotal skill when public speaking, persuasive discourse, and personal presence are key to success. In this introductory course, students will strengthen and develop confidence in a supportive, playful, highly participatory and collaborative environment. This course is suited to students in professional programs or for those who would like to learn a full range of communication skills. Exploration of language structure, argumentation, grounding, alignment, vocal resonance, clarity and effective listening will be part of each class with an emphasis on enhancing individual potential.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM299Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Prerequisite: Permission from the instructor.

Distribution Requirements: Humanities

DRM300Y1 - Performance II

Hours: 144P

Building upon the work of DRM200Y1, students concentrate on scene study, styles of acting, and the development of ensemble work with an intensive focus on voice and movement practices. The Application Deadline is March 10th.

Prerequisite: Minimum 70% in required courses: DRM100Y1/ DRM101Y1/(UNI102H1, UNI106H1)/ UNI102Y1; DRM200Y1; and permission of the Centre.

Corequisite: DRM220Y1/ DRM230Y1 or any course from Group A if DRM220Y1/ DRM230Y1 is complete; 0.5 FCE from DRM375H1/ DRM376H1/ DRM377H1/ DRM378H1 or permission of the Centre.

Exclusion: DRS321H5 and DRS322H5

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM301H1 - Concepts of Voice and Movement

Hours: 3T/48P

An experiential studio course that introduces and develops physical skills in contemporary theatre practice with particular attention on the relationship between voice and moment via the voice, breath, body, movement, emotion, character, text and personal imagery. See [website](#) for more details.

Prerequisite: DRM100Y1/ DRM101Y1/(UNI102H1, UNI106H1)/ UNI102Y1, and 1 FCE from Group B

Recommended Preparation: DRM220Y1/ DRM230Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM302H1 - Directing II

Hours: 36P

A continuation of DRM202H1, concentrating on major concepts and artistic practices in directing. The course focuses on different styles, ideas, and goals of theatre directors in their relations to actors, audiences, and broad cultural and political contexts. A major component will be the practical application of basic directing techniques. Please consult the [CDTPS undergraduate web page](#) for information on how to apply and the deadline to apply.

Prerequisite: Minimum 70% in required courses: DRM100Y1/ DRM101Y1/(UNI102H1, UNI106H1)/ UNI102Y1; DRM202H1; and permission of the Centre.

Corequisite: DRM220Y1/ DRM230Y1 or any course from Group A.

Recommended Preparation: DRM220Y1/ DRM230Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM303H1 - Theories of Acting

Hours: 36L

An examination of the major writers who have influenced the art of the actor in the twentieth century, with a focus on theories of actor training and the preparation for performance, the ways in which audiences assess acting as an art form, and the rise of the actor as an artist of equal status in North American and European theatre. Writers include Konstantin Stanislavsky, his followers and interpreters in America (including the Actors Studio and Lee Strasberg), along with alternatives to his 'System,' including Expressionism, Epic Theatre and the teachings of Michael Chekhov.

Prerequisite: DRM100Y1/ DRM101Y1/ UNI102Y1 or any 4.0 FCE

Exclusion: DRM388H1; VPDB15H3

Recommended Preparation: DRM220Y1/ DRM230Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM311H1 - Movement for the Actor II**Hours:** 3T/48P

A continuation of previous training to develop a more expressive body and increase devising skills through a more concentrated study of the relationship between objective, impulse and action using the principles of Viewpoints, Laban and the Margolis Method. See [website](#) for more details.

Prerequisite: DRM100Y1/ DRM101Y1/(UNI102H1, UNI106H1)/ UNI102Y1; DRM200Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM342H1 - The Contemporary Avant-Garde**Hours:** 36L

The turn of the 21st century advanced a social, political, and aesthetic shift reminiscent of that during the post-Industrial Revolution/pre-WWII epoch that launched the historical avant-garde. This class, while exploring significant artistic and sociopolitical developments of the historical avant-garde, will primarily concentrate on the experimental theatre and performance of the past 15 years—a contemporary avant-garde that “hinge[s] on a networked spatiality, rather than on linear teleology” and reflects a growing collective investment on part of audiences and artists alike in the work of a work of art.

Prerequisite: DRM100Y1/ DRM101Y1/ UNI102Y1 or any 4.0 FCE

Recommended Preparation: DRM220Y1/ DRM230Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM328H1 - Playwriting II**Hours:** 36L

A continuation of [DRM228H1](#), concentrating on the in-depth knowledge and practice of playwriting with an emphasis on style and technique of writing for the stage. Students develop their own work through written assignments, in-class exercises, and the final public presentation. Please consult the [CDTPS undergraduate web page](#) for information on how to apply and the deadline to apply.

Prerequisite: Minimum 70% in required courses: DRM100Y1/ DRM101Y1/(UNI102H1, UNI106H1)/ UNI102Y1; DRM228H1; and permission of the Centre.

Corequisite: DRM220Y1/ DRM230Y1 or any course from Group A

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM354H1 - Design II**Hours:** 72P

An intermediate-level investigation of various aspects of theatrical performance design, with a focus on scenic and costume design, though also considering the impact of projections and lighting. Using skills developed through practical study in the Design Studio, the students form the core of the design team for Drama productions. Applications are required in order to enroll in this course. Please consult the [CDTPS Application Guidelines](#) for specific procedures and deadlines.

Prerequisite: Minimum 70% in required courses: DRM100Y1/ DRM101Y1/(UNI102H1, UNI106H1)/ UNI102Y1; DRM254H1/ DRM254Y1; and permission of the Centre.

Corequisite: DRM220Y1/ DRM230Y1 or any course from Group A

Exclusion: DRM354Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM331H1 - Dramaturgy**Hours:** 36L

Study of dramaturgical theory and of interpretations of the dramaturge's function in the theatre. Using examples from Canada and beyond, students apply this knowledge to theatre practice.

Prerequisite: DRM100Y1/ DRM101Y1/(UNI102H1, UNI106H1)/ UNI102Y1

Exclusion: DRE348H5; DRE360H5; VPDD01H3

Recommended Preparation: DRM220Y1/ DRM230Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM354Y1 - Design II**Hours:** 72L/72P

An intermediate-level investigation of various aspects of theatrical performance design, with a focus on scenic and costume design. Using skills developed through practical study in the Design Studio, the students form the core of the design team for Drama productions. Applications are required in order to enroll in this course. Please consult the [CDTPS Application Guidelines](#) for specific procedures and deadlines.

Prerequisite: Minimum 70% in required courses: DRM100Y1/ DRM101Y1/(UNI102H1, UNI106H1)/ UNI102Y1; DRM254H1/ DRM254Y1; and permission of the Centre.

Corequisite: DRM220Y1/ DRM230Y1 or any course from Group A

Exclusion: DRM354H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM355Y1 - Production II**Hours:** 72L/72P

An intermediate-level investigation of various aspects of theatrical production, including stage management, lighting, sound and video, with some exploration of how these elements relate to theatrical design concepts. Using skills developed through practical study in the Helen Gardiner Phelan Playhouse, the students form the core of the production team for Drama productions. Applications are required in order to enroll in this course. Please consult the [CDTPS Guidelines](#) for specific procedures and deadlines.

Prerequisite: Minimum 70% in required courses: DRM100Y1/ DRM101Y1/(UNI102H1, UNI106H1)/ UNI102Y1; DRM254H1/ DRM254Y1; or permission of the Centre.

Corequisite: DRM220Y1/ DRM230Y1 or any course from Group A

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM366H1 - Canadian Theatre**Hours:** 36L

Since the 1960s, actors, directors, and writers have been architects of Canadian identity. This course will study the history of Canadian theatre, with an emphasis on how Canadian playwrights and creators have been engaged with social and political issues. A survey of post-colonial theatre, cultural diversity, and gender politics on the Canadian stage.

Prerequisite: DRM100Y1/ DRM101Y1/ UNI102Y1 or any 4.0 FCE

Exclusion: DRM268H1; DRE200H5; DRE364H5; VPDB13H3

Recommended Preparation: For Drama Majors and Specialists: DRM220Y1/ DRM230Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

DRM362H1 - Theatre and the World**Hours:** 36L

An intercultural, post-colonial and comparative analysis of innovative processes in the national and cross-cultural theatre around the world. Focusing on selected periods and cultures, the course explores the cultural backgrounds of key turning points in pre-modern and modern theatre and their impact on the developments of the post-modern theatre in a globalizing world.

Prerequisite: DRM100Y1/ DRM101Y1/ UNI102Y1 or any 4.0 FCE

Recommended Preparation: DRM220Y1/ DRM230Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM368H1 - Devised Theatre**Hours:** 36L

An in-depth study of devising theatre in a group context. This course offers an intensive exploration of the history and practice of devised theatre within the late 20th and early 21st centuries that will culminate in a number of in-class and public performances.

Prerequisite: Minimum 70% in required courses: DRM100Y1/ DRM101Y1/(UNI102H1, UNI106H1)/ UNI102Y1; DRM200Y1 or permission of the Drama Centre.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM363H1 - Story-ing the Possible: Talking Treaties, Rehearsing (Re) conciliation**Hours:** 24L/12T

This half course offers a comprehensive examination of Indigenous history in the territories (now called Canada), Treaty Relationships, and Indigenous-Settler Relationships, as they have shifted and evolved since first contact. Students will enter into conversation with this history and the contemporary issues confronting all Canadians today through the writings of Indigenous playwrights, oral history keepers, academic historians, and Indigenous theorists.

Prerequisite: DRM100Y1/ DRM101Y1/ UNI102Y1 or any 4.0 FCE

Exclusion: INS201Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

DRM375H1 - Special Topics in Studio Practice**Hours:** 36P

An in-depth examination of selected performance disciplines, styles, and genres within their historical and critical context. Content may vary depending on instructor. Please check Studio Topics on the [CDTPS undergraduate web page](#) for more details.

Prerequisite: Minimum 70% in required courses: DRM100Y1/ DRM101Y1/(UNI102H1, UNI106H1)/ UNI102Y1; DRM200Y1; or permission of the Centre.

Corequisite: DRM300Y1 or permission of the Centre.

Recommended Preparation: DRM220Y1/ DRM230Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM375Y1 - Special Topics in Studio Practice

Hours: 72P

An in-depth examination of selected performance disciplines, styles, and genres within their historical and critical context. Content may vary depending on instructor. Please check Studio Topics on the [CDTPS undergraduate web page](#) for more details.

Prerequisite: Minimum 70% in required courses: DRM100Y1/ DRM101Y1/(UNI102H1, UNI106H1)/ UNI102Y1; DRM200Y1; or permission of the Centre.

Corequisite: DRM300Y1 or permission of the Centre.

Recommended Preparation: DRM220Y1/ DRM230Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM378H1 - Special Topics in Studio Practice

Hours: 36P

An in-depth examination of selected performance disciplines, styles, and genres within their historical and critical context. Content may vary depending on instructor. Please check Studio Topics on the [CDTPS undergraduate web page](#) for more details.

Prerequisite: Minimum 70% in required courses: DRM100Y1/ DRM101Y1/(UNI102H1, UNI106H1)/ UNI102Y1; DRM200Y1; or permission of the Centre.

Corequisite: DRM300Y1 or permission of the Centre.

Recommended Preparation: DRM220Y1/ DRM230Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM376H1 - Special Topics in Studio Practice

Hours: 36P

An in-depth examination of selected performance disciplines, styles, and genres within their historical and critical context. Content may vary depending on instructor. Please check Studio Topics on the [CDTPS undergraduate web page](#) for more details.

Prerequisite: Minimum 70% in required courses: DRM100Y1/ DRM101Y1/(UNI102H1, UNI106H1)/ UNI102Y1; DRM200Y1; or permission of the Centre.

Corequisite: DRM300Y1 or permission of the Centre.

Recommended Preparation: DRM220Y1/ DRM230Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM385H1 - Special Topics in Drama, Theatre and Performance Studies

Hours: 36L

An in-depth examination of selected issues in drama, theatre and performance studies. Special Topics vary for Breadth distribution depending on the course content. Please consult the Undergraduate Drama office and check Special Topics on the website for more details.

Prerequisite: DRM100Y1/ DRM101Y1/ UNI102Y1 or any 4.0 FCE

Recommended Preparation: DRM220Y1/ DRM230Y1

Distribution Requirements: Humanities

DRM385Y1 - Special Topics in Drama, Theatre and Performance Studies

Hours: TBA

An in-depth examination of selected issues in drama, theatre and performance studies. Content may vary depending on instructor and is counted towards Group A. Please consult the Undergraduate Drama office and check Special Topics on the website for more details.

Prerequisite: DRM100Y1/ DRM101Y1/ UNI102Y1 or any 4.0 FCE

Distribution Requirements: Humanities

DRM377H1 - Special Topics in Studio Practice

Hours: 36P

An in-depth examination of selected performance disciplines, styles, and genres within their historical and critical context. Content may vary depending on instructor. Please check Studio Topics on the [CDTPS undergraduate web page](#) for more details.

Prerequisite: Minimum 70% in required courses: DRM100Y1/ DRM101Y1/(UNI102H1, UNI106H1)/ UNI102Y1; DRM200Y1; or permission of the Centre.

Corequisite: DRM300Y1 or permission of the Centre.

Recommended Preparation: DRM220Y1/ DRM230Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM386H1 - Special Topics in Drama, Theatre and Performance Studies

Hours: 36L

An in-depth examination of selected issues in drama, theatre and performance studies. Special Topics vary for Breadth distribution depending on the course content. Please consult the Undergraduate Drama office and check Special Topics on the website for more details.

Prerequisite: DRM100Y1/ DRM101Y1/ UNI102Y1 or any 4.0 FCE

Recommended Preparation: DRM220Y1/ DRM230Y1

Distribution Requirements: Humanities

DRM390Y1 - Independent Studies in Drama, Theatre and Performance Studies

A scholarly project at the 300 level proposed by the individual student in conversation with a member of faculty who is willing to act as supervisor. Not eligible for CR/NCR option.

Prerequisite: Minimum 70% in DRM220Y1/ DRM230Y1; 10 FCE; Specialist or Major in Drama; A written proposal; Independent study form signed by both student and faculty instructor to be submitted for approval to the Associate Director (undergraduate) before registration: August 1st for September start date; November 1st for January start date.

Distribution Requirements: Humanities

DRM387H1 - Special Topics in Drama, Theatre and Performance Studies

Hours: TBA

An in-depth examination of selected issues in drama, theatre and performance studies. Special Topics vary for Breadth distribution depending on the course content. Please consult the Undergraduate Drama office and check Special Topics on the website for more details.

Prerequisite: DRM100Y1/ DRM101Y1/ UNI102Y1 or any 4.0 FCE

Recommended Preparation: DRM220Y1/ DRM230Y1

Distribution Requirements: Humanities

DRM391H1 - Independent Studies in Drama, Theatre and Performance Studies

A scholarly project at the 300 level proposed by the individual student in conversation with a member of faculty who is willing to act as supervisor. Not eligible for CR/NCR option.

Prerequisite: Minimum 70% in DRM220Y1/ DRM230Y1; 10 FCE; Specialist or Major in Drama; A written proposal; Independent study form signed by both student and faculty instructor to be submitted for approval to the Associate Director (undergraduate) before registration: August 1st for September start date; November 1st for January start date.

Distribution Requirements: Humanities

DRM388H1 - Special Topics in Drama, Theatre and Performance Studies

Hours: 36L

An in-depth examination of selected issues in drama, theatre and performance studies. Special Topics vary for Breadth distribution depending on the course content. Please consult the Undergraduate Drama office and check Special Topics on the website for more details.

Prerequisite: DRM100Y1/ DRM101Y1/ UNI102Y1 or any 4.0 FCE

Distribution Requirements: Humanities

DRM399Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

DRM400H1 - Advanced Performance**Hours:** 12T/48P

Advanced Performance builds on the training sequence of DRM200Y1 and DRM300Y1 by developing students' acting and performance skills in monologues, extensive collaborative scene work, and preparations for auditions. The work focuses on the particulars of character development and the emotional and technical aspects of the actor's craft. Applications are required in order to enroll in this course. Please consult the CDTPS Application Guidelines for specific procedures and deadlines.

Prerequisite: Specialist or Major in Drama; Minimum 70% in required courses: DRM220Y1/ DRM230Y1; DRM300Y1; and permission of the Centre.

Exclusion: DRM400Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM400Y1 - Advanced Performance**Hours:** 144P

Advanced Performance builds on the training sequence of DRM200Y1 and DRM300Y1 by developing students' acting and performance skills in monologues, extensive collaborative scene work, and preparations for auditions. The work focuses on the particulars of character development and the emotional and technical aspects of the actor's craft. Applications are required in order to enroll in this course. Please consult the CDTPS Application Guidelines for specific procedures and deadlines.

Prerequisite: Specialist or Major in Drama; Minimum 70% in required courses: DRM220Y1/ DRM230Y1; DRM300Y1; and permission of the Centre.

Exclusion: DRM400H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

JDC400Y1 - Redefining Security through Art**Hours:** 48L/48T

Articulates a cultural approach to achieving Human Security. This course examines human security issues in which there is a significant cultural dimension to a security threat, and in which culture occupies an essential place in any realistic and effective solution. The work of artists to be analyzed include: Ariane Mnouchkine; Robert Lepage; Bertolt Brecht; John Greyson, Mohsen Makhmalbaf, Terry George and Daniel Barenboim.

Prerequisite: 14 FCE; Specialist or Major in Drama and permission of the Centre.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

JIA400H1 - Interdisciplinary Practice for the Arts: The Architecture of Creativity**Hours:** 144P

While examining the interconnectedness of the arts, students are required to meet between sessions and develop projects connected to their study. These projects involve a range of media, including theatre, film, music and visual art (installation).

Prerequisite: 14 FCE and permission of the Centre

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM401H1 - Advanced Concepts in Voice**Hours:** 4T/48P

Advanced voice training to refine the skills and concepts developed thus far in DRM200Y1 and DRM300Y1, focusing on performance. Techniques of articulation, speech, and rhetoric are studied.

Prerequisite: Minimum 70% in required courses: DRM220Y1/ DRM230Y1; DRM300Y1; acceptance into DRM403Y1 or permission of the Centre

Corequisite: DRM403Y1 and DRM411H1; or permission of the Centre

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM402H1 - Advanced Directing**Hours:** 24T/36P

An exploration of advanced directing for the theatre. The class is centered on student directed productions, which are publicly presented at the end of term. Emphasis is placed on the development of strong central concepts and realizing the production with imagination, collaboration and creativity. Please consult the CDTPS Application Guidelines for specific procedures and deadlines.

Prerequisite: Specialist or Major in Drama; Minimum 70% in required courses: DRM220Y1/ DRM230Y1; DRM302H1; DRM331H1; a written proposal and an interview in April.

Recommended Preparation: DRM300Y1 or DRM328H1 or DRM354Y1/ DRM354H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM403Y1 - Mainstage Performance**Hours:** 48T/144P

This course, taught each year by a different visiting professional theatre director, offers upper-level theatre and performance studies students the opportunity to explore acting in a full-length production. Plays are selected to challenge students in a variety of diverse ways, exposing them to a full spectrum of theatre and performance genres and possibilities. Applications are required in order to enroll in this course. Please consult the [CDTPS Application Guidelines](#) for specific procedures and deadlines.

Prerequisite: Specialist or Major in Drama; Minimum 70% in required courses: DRM220Y1/ DRM230Y1; DRM300Y1, 0.5 FCE from DRM368H1/ DRM375H1/ DRM376H1/ DRM377H1/ DRM378H1; and permission of the Centre.

Corequisite: DRM400H1, DRM413H1 (or permission of the Centre).

Exclusion: DRS425H5 AND DRS426H5

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM413H1 - Advanced Voice and Movement**Hours:** 12T/48P

Voice and Movement is a skill-developing companion to the DRM400 training for performers. It exposes students to a wide range of voice and movement techniques and explores a heightened use of physicality, voice and speech.

Prerequisite: Minimum 70% in required courses: DRM220Y1/ DRM230Y1; DRM300Y1; acceptance into DRM403Y1 or permission of the Centre

Corequisite: DRM403Y1 or permission of the Centre

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM428H1 - Advanced Playwriting**Hours:** 24T/36P

A continuation of [DRM328H1](#), concentrating upon the in-depth knowledge and practice of playwriting with an emphasis on advanced style and technique of writing for the stage. Students develop their own longer work through in-class exercises, one major written assignment, and the final public presentation. Please consult the [CDTPS undergraduate web page](#) for information on how to apply.

Prerequisite: Minimum 70% in required courses: DRM220Y1/ DRM230Y1, DRM328H1 and a portfolio of writing samples due in November.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM454H1 - Advanced Design**Hours:** 36L/36P

An advanced-level exploration of theatrical design skills and techniques, delving deeper into specific areas of specialization and with more opportunity for independent work. Students are expected to participate in Drama Centre productions in senior creative and leadership roles. Applications are required in order to enroll in this course. Please consult the [CDTPS Application Guidelines](#) for specific procedures and deadlines.

Prerequisite: Minimum 70% in required courses: DRM220Y1/ DRM230Y1; DRM300Y1; acceptance into DRM403Y1 or permission of the Centre

Corequisite: DRM403Y1 and DRM401H1; or permission of the Centre

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM411H1 - Advanced Concepts in Movement**Hours:** 2T/48P

Advanced movement training to refine the skills and concepts developed thus far in [DRM200Y1](#) and [DRM300Y1](#), focusing on performance. Techniques of personal physical awareness, movement as a tool for discovery in acting processes, movement as communication in performance, ensemble work, and movement generation are studied.

Prerequisite: Minimum 70% in required courses: DRM220Y1/ DRM230Y1; DRM300Y1; acceptance into DRM403Y1 or permission of the Centre

Corequisite: DRM403Y1 and DRM401H1; or permission of the Centre

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM454Y1 - Advanced Design and Production

Hours: 72L/72P

An advanced-level exploration of design production skills and techniques, delving deeper into specific areas of specialization and with more opportunity for independent work. Students are expected to participate in Drama Centre productions in senior creative and leadership roles. Focus also includes the integration of digital technology into theatrical performance. Applications are required in order to enroll in this course. Please consult the [CDTPS Application Guidelines](#) for specific procedures and deadlines.

Prerequisite: Minimum 70% in required courses: DRM220Y1/ DRM230Y1; DRM354H1/ DRM354Y1/ DRM355Y1; and permission of the Centre

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM485Y1 - Senior Seminar: Drama, Theatre and Performance Studies Thesis

Hours: 72L

Research thesis, emphasizing topics and methods used in drama, theatre and performance studies. Students must obtain permission from the instructor by submitting a research project proposal. The project may engage creative practice, but the thesis itself will be a critical, written work engaging the research and dramaturgy involved in the performance or artwork. Not eligible for CR/NCR option. Deadline is March 10th to apply. See [online application](#) for details.

Prerequisite: Specialist or Major in Drama; 14 FCE; Minimum 70% in required courses: DRM220Y1/ DRM230Y1; and permission of the Centre.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

DRM455H1 - Advanced Production

Hours: 36L/36P

An advanced-level exploration of production skills and techniques, delving deeper into specific areas of specialization and with more opportunity for independent work. Students are expected to participate in Drama Centre productions in senior creative and leadership roles. Applications are required in order to enroll in this course. Please consult the [CDTPS Application Guidelines](#) for specific procedures and deadlines.

Prerequisite: Minimum CGPA of 2.7; DRM220Y1/ DRM230Y1; DRM355Y1; and permission of the Drama Centre.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

DRM486H1 - Senior Seminar in Drama, Theatre and Performance Studies

Hours: 36P

An in-depth examination of selected issues in the theatre at the 400 level. Special Topics vary for Breadth distribution depending on the course content and therefore may be counted towards Groups A or B. Please consult the Undergraduate Drama office or check the program's [website](#) for more details.

Prerequisite: Specialist or Major in Drama; 14 FCE; DRM220Y1/ DRM230Y1; and/or permission of the Centre.

Distribution Requirements: Humanities

DRM485H1 - Senior Seminar in Drama, Theatre and Performance Studies

An in-depth examination of selected issues in the theatre at the 400 level. Special Topics vary for Breadth distribution depending on the course content and therefore may be counted towards Groups A or B. Please consult the Undergraduate Drama office or check the program's [website](#) for more details.

Prerequisite: Specialist or Major in Drama; 14 FCE; Minimum 70% in required courses: DRM220Y1/ DRM230Y1; and/or permission of the Centre.

Distribution Requirements: Humanities

DRM487H1 - Senior Seminar in Drama, Theatre and Performance Studies

Hours: 36L

An in-depth examination of selected issues in the theatre at the 400 level. Special Topics vary for Breadth distribution depending on the course content and therefore may be counted towards Groups A or B. Please consult the Undergraduate Drama office or check the program's [website](#) for more details.

Prerequisite: Specialist or Major in Drama; 14 FCE; DRM220Y1/ DRM230Y1; and/or permission of the Centre.

Distribution Requirements: Humanities

DRM488H1 - Senior Seminar in Drama, Theatre and Performance Studies

Hours: 36L

An in-depth examination of selected issues in the theatre at the 400 level. Special Topics vary for Breadth distribution depending on the course content and therefore may be counted towards Groups A or B. Please consult the Undergraduate Drama office or check the program's [website](#) for more details.

Prerequisite: Specialist or Major in Drama; 14 FCE; DRM220Y1/ DRM230Y1; and/or permission of the Centre.

Distribution Requirements: Humanities

DRM490Y1 - Independent Studies in Drama, Theatre and Performance Studies

A scholarly project at the 400 level proposed by the individual student in conversation with a member of faculty who is willing to act as supervisor. Not eligible for CR/NCR option.

Prerequisite: 14 FCE; Specialist or Major in Drama; Minimum 70% in DRM220Y1/ DRM230Y1; A written proposal; Independent study form signed by both student and faculty instructor to be submitted for approval to the Associate Director (undergraduate) before registration: August 1st for September start date; November 1st for January start date.

Distribution Requirements: Humanities

DRM491H1 - Independent Studies in Drama, Theatre and Performance Studies

A scholarly project at the 400 level proposed by the individual student in conversation with a member of faculty who is willing to act as supervisor. Not eligible for CR/NCR option.

Prerequisite: 14 FCE; Specialist or Major in Drama; Minimum 70% in DRM220Y1/ DRM230Y1; A written proposal; Independent study form signed by both student and faculty instructor to be submitted for approval to the Associate Director (undergraduate) before registration: August 1st for September start date; November 1st for January start date.

Distribution Requirements: Humanities

Earth Sciences

Faculty List

Professor and Chair of the Department

R. Pysklywec, M Sc, Ph D

Associate Professor and Associate Chair (Graduate Studies)

M. Dittrich, Ph.D., (U of T Scarborough)

Associate Professor and Associate Chair (Undergraduate)

U. Wortmann, Dipl. Geol., Dr. Rer. Nat.

University Professor

B. Sherwood-Lollar, BA, Ph D, FRSC

Professors

J. R. Desloges, M Sc, Ph D

M. L. Diamond, M Sc, M Sc Eng, Ph D

N. Eyles, M.Sc., Ph. D. (U of T Scarborough)

F.G. Ferris, B Sc, Ph D, FRSC

J. Halfar, Dip Geol, Ph D (U of T Mississauga)

K.W.F. Howard, M Sc, Ph D (U of T Scarborough)

A.D. Miall, B Sc, Ph D, D Sc, FRSC

B. Milkereit, M.Sc., Ph.D.

Associate Professors

B.A. Bergquist, B Sc, Ph D

J. Bollmann, Dip Geol, Sci. Nat. ETH

S. A. Cowling, M Sc, Ph D

S. Finkelstein, M Phil, Ph D

R. Ghent, M Sc, Ph D

G.S. Henderson, M Sc, Ph D

L. Schoehnbohm, B Sc, Ph D (U of T Mississauga)

Assistant Professors

M.O. Anderson, BSc, MSc, PhD

X. Chu, M Phil, PhD

D.D. Gergory, Bsc, PhD

M. Laflamme, Ph D (U of T Mississauga)

Z. Zajacz, Ph D

Cross Appointed Faculty

Q. Liu M.Sc., Ph.D.

M. Wells, Ph.D., (U of T Scarborough)

Senior Lecturers

C.-G. Bank, Dip Geophys, M Sc, Ph D

Status Only Faculty

K. Tait, M.Sc., Ph.D., ROM

J. B. Caron, M.Sc., Ph.D., ROM

M. Head, M.Sc., Ph.D., Brock University

Non tenure stream faculty

D. Davis, M Sc, Ph D

M.A. Hamilton, M Sc, Ph D

S. Kamo, M Sc, Ph D

University Professor Emeritus

A.J. Naldrett, MA, M Sc, Ph D, FRSC

Professors Emeriti

G.M. Anderson, B Eng, MA Sc, Ph D

R. C. Bailey, B.Sc., Ph.D.

J.J. Fawcett, B Sc, Ph D

J. Gittins, M Sc, Ph D, Sc D (U)
 H.C. Halls, M Sc, PhD (U of T Mississauga)
 G. Norris, MA, Ph D, FRSC (U)
 J.C. Rucklidge, MA, Ph D
 D.J. Schulze, M Sc, Ph D (U of T Mississauga)
 W.M. Schwerdtner, Dip Geol, Dr Rer Nat
 S.D. Scott, Ph D, FRSC
 E. T. C. Spooner, MA, Ph D (U)
 P.H. von Bitter, MA, Ph D
 P-Y. F. Robin, M Sc, Ph D (U of T Mississauga)
 J.A. Westgate, B Sc, Ph D (S)

Introduction

Do you like sciences but have a hard time choosing which one to pursue? Can you picture yourself performing experiments in the lab, or collecting data in the field, or developing and testing models on a computer? Then Earth Sciences is the discipline for you. It is the study of physical, chemical, and biological processes over a wide range of temporal and spatial scales in earth and planetary systems.

Our department offers various programs:

The three specialist programs – Geology, Environmental Geoscience, and Geophysics (offered in collaboration with the Department of Physics) – give students the skills to enter graduate studies and also allows them to become professional “geoscientists in training” after graduation. The Geology specialist program focuses on processes of the solid planetary bodies, including volcanoes, sedimentary environments, mountain building, the formation of minerals or ores, and Earth through time. The Environmental Geosciences specialist program in addition addresses processes related to groundwater and biochemical activities. The Geophysics specialist program allows students to model physical processes in and on Earth and other planets and to apply non-invasive methods of imaging the subsurface, often in 4D (i.e., space and time); targets may range from archaeological investigations to groundwater imaging and mineral exploration, but also include modeling of mountain-building processes and planetary magnetic fields.

The Geoscience Major program builds on a set of core courses and allows students to select elective courses that match their particular interests. Students have paired this program not just with other science programs but such diverse fields as geography, archaeology, economics, history, political science, or peace and conflict studies.

The Geoscience Minor program provides an introduction to Earth science topics and thinking.

The new major called “Earth and Environmental Systems” takes a holistic approach to understanding how the Earth system works and how it has evolved over tens to millions and billions of years. This requires understanding the dynamics and interactions of all aspects of the system (solid Earth, ocean, atmosphere, and biosphere) and provides the larger context at a time when climate change, resource consumption and global pollution weigh heavily on people and societies.

Our programs emphasise hands-on lab and field work. At least one field course is required in each program, and several courses have offered optional one-day to two-week long trips. In recent years courses have travelled to Newfoundland, Texas, Arizona, Hawaii, Chile, and New Zealand, and small groups of undergraduates have been involved with field research in Turkey, Peru, Greece and South Africa. These field training opportunities foster the establishment of peer networks, develop team-working skills, afford hands-on learning, and allow for a close collaboration and mentoring

experience between individual students and instructors. Students are also encouraged to take advantage of extra and co-curricular opportunities such as study abroad, summer abroad, internships, or working in industry and non-governmental organizations.

More information (including an undergraduate handbook) can be found on the department website www.es.utoronto.ca. Students are encouraged to discuss their plans for program and course selection with the Undergraduate Associate Chair (undergradchair@es.utoronto.ca).

3rd and 4th year elective courses: 4 FCE from JGA305H1, ESS234H1/ ESS330H1, ESS331H1, ESS361H1, ESS362H1, GGR337H1, GGR390H1, ENV333H1, ESS431H1, ESS441H1, ESS445H1, ESS450H1, ESS462H1, ESS463H1, ESS464H1, ESS490H1, ESS491H1/ ESS492Y1

If you plan to become APGO certified, we suggest you consider the following courses to fulfill minimum qualifications. This list comprises courses which are required for the specialist as well as suggested courses; together they fulfill groups 1A, 1B, 2A and 2B of the APGO requirements and add up to 13.5 FCE:

Group 1A: CHM135H1, MAT135H1, PHY131H1

Group 1B: BIO120H1, MAT136H1, CHM136H1, PHY132H1, STA220H1, CSC108H1/ ESS345H1

Group 2A: ESS221H1, ESS241H1, ESS234H1/ ESS330H1, ESS331H1

Group 2B: ESS223H1/ENV233H, ESS312H1, GGR201H1, GGR337H1, JGA305H1

Group 2C: 4.5 FCE of 200/300/400 level ESS or other allowable courses

For more information, please contact the Department of Earth Sciences, ugrad@es.utoronto.ca.

Geology Specialist (Science Program) - ASSPE0509

Description:

This program gives the deepest level of education within the field of geology and is geared towards preparing students for a career in the energy and mineral resources sector or as a government-employed geologist. The program meets the requirements for gaining membership in the Association of Professional Geoscientist of Ontario (APGO) and similar organizations countrywide. The specialist program involves heavy course load in classical geology subjects, such as mineralogy and petrology, sedimentology, structural geology, paleontology, mineral resources and geologic field mapping. Students are advised to be aware of course prerequisites, check clusters of courses listed for the Geology Specialist program, and consult the Earth Sciences Undergraduate Handbook for logical course progressions. For further questions, please consult with the Student Affairs Coordinator (Scott Moore, Department of Earth Sciences, 22 Russell St. Earth Sciences Center, Room 1062 email: ugrad@es.utoronto.ca).

Keywords: Geology, Petrology, Energy and Mineral Resources

Completion Requirements:

Please consult the undergraduate handbook for detailed information on this program.

(14 full courses or their equivalent)

5.0 FCE foundation courses:

CHM151Y1/ CHM135H1, CHM136H1/CHM138H, CHM139H; MAT135H1 & MAT136H1; (PHY131H1, PHY132H1)/ PHY151H1, PHY152H1; BIO120H1/ MAT221H1/ MAT223H1; STA220H1/

Earth Sciences Programs

Environmental Geosciences Specialist (Science Program) (Science Program) - ASSPE1253

Description:

The Environmental Geosciences specialist program explains the interconnectedness within the Earth system (biosphere, hydrosphere, atmosphere, and geosphere), measures and models processes related to groundwater and biochemical activities, and assesses the effects of human activities on our geological surroundings.

Jointly sponsored by the School of the Environment and the Department of Earth Sciences. Topics include earth materials, sedimentary geology, aqueous geochemistry, hydrogeology and biogeochemistry. For more information, please contact the Department of Earth Sciences, undergradchair@es.utoronto.ca. Students should note that under the Professional Geoscientists Act of 2000, individuals practicing Environmental Geoscience in Ontario require education that fulfills APGO knowledge requirements (see note below) or a P.Eng.

Completion Requirements:

(12 full courses or their equivalent which includes fulfillment of the Faculty's Distribution requirement, including at least one FCE from 400-series courses)

1st year required courses (2 FCE): CHM151Y1/ CHM135H1, CHM136H1, MAT135H1, PHY131H1/ PHY151H1

1st year elective courses: 1 FCE from MAT136H1, PHY132H1/ PHY152H1, ENV237H1/ ENV238H1, BIO120H1, CSC108H1/ ESS345H1, JEG100H1

2nd year required courses (2 FCE): ESS241H1, ESS223H1/ ENV233H, ESS262H1, GGR201H1

2nd year elective courses: 1 FCE from ESS221H1, ESS222H1, ESS261H1, STA220H1/ GGR270H1, CHM210H1, MAT221H1/ MAT223H1; up to 0.5 FCE of this requirement can be satisfied by taking one of the following ethics courses: IMC200H1/ PHL273H1/ PHL275H1/ ABS201Y1

3rd and 4th year required courses (2 FCE): ESS311H1, ESS312H1, ESS410H1, ESS461H1

GGR270H1; GGR201H1; CSC108H1/ ESS345H1; recommended:
ESS262H1/ESS102H/ JEG100H1

6.0 FCE core courses:
ESS223H1/ENV233H, ESS221H1, ESS222H1, ESS241H1,
ESS261H1, JGA305H1, ESS311H1, ESS312H1, ESS322H1,
ESS331H1, ESS441H1, ESS431H1/ESS332H

1.0 FCE field courses:
ESS234H1/ESS330H, ESS324H1/ESS420H

2.0 FCE electives chosen from:
ENV234H1, ESS381H1, ESS410H1, ESS423H1, ESS425H1,
ESS445H1, ESS461H1, ESS481H1, ESS324H1/ESS420H/
ESS490H1, ESS491H1/ ESS492Y1, ESS362H1

For more information, please contact the Department of Earth Sciences, ugrad@es.utoronto.ca.

Geophysics Specialist (Science Program) - ASSPE1650

Description:

The Geophysics specialist program allows students to model physical processes in and on Earth and other planets and to apply noninvasive methods of imaging the subsurface, often in 4D (i.e., space and time); targets may range from archaeological investigations to groundwater imaging and mineral exploration, but also include modeling of mountain-building processes and the exploration of planetary surfaces instead. Students are advised to be aware of course prerequisites, and consult the Earth Sciences Undergraduate Handbook. For further questions, please consult with the Student Affairs Coordinator (Scott Moore, Department of Earth Sciences, 22 Russell St. Earth Sciences Center, Room 1062 email: ugrad@es.utoronto.ca).

Completion Requirements:

Consult Departments of Earth Sciences and Physics

(13.5 to 14 full courses or their equivalent with at least one course at the 400-level)

9.0 FCEs core courses:

100-level: PHY131H1/ PHY151H1, PHY132H1/ PHY152H1;
 (MAT135H1, MAT136H1)/ MAT137Y1

200-level: PHY250H1, PHY254H1; MAT235Y1/ MAT237Y1;
ESS221H1, ESS241H1

300-level: JPE395H1; JGA305H1

400-level: PHY408H1, JPE493H1, ESS452H1; ESS441H1,
ESS445H1, ESS450H1

0.5 to 1.0 FCEs ethics course chosen from the following list:
JPH441H1, ENV333H1, IMC200H1, PHL273H1, PHL275H1,
INS201Y1

4.0 to 4.5 additional FCEs chosen from Groups A, B, and/or C:

Group A -- courses required and relevant for professional registration (APGO):

CHM135H1; ESS345H1/ CSC108H1; STA220H1/ GGR270H1;
MAT223H1, MAT244H1; APM346H1; ESS331H1

Group B -- emphasis on physics (suitable for graduate school preparation in a physics program):

PHY252H1, PHY350H1, PHY354H1, PHY392H1, PHY454H1,

PHY495H1

Group C -- other relevant courses:

PHY224H1, MAT224H1, MAT335H1, APM346H1, ESS211H1,
ESS222H1, ESS311H1, ESS312H1, ESS431H1, ESS234H1/
ESS330H1, ESS410H1, ESS490H1, ESS491H1/ESS492Y1

For more information, please contact the Department of Earth Sciences, ugrad@es.utoronto.ca.

Earth and Environmental Systems Major (Science Program) - ASMAJ2745

Description:

In the Earth and Environmental Systems Major, students use multidisciplinary approaches to studying the large-scale interactions between the Earth and planetary systems over a broad spectrum of time-scales, addressing deep timescales of millions to billions of years as well as processes taking place in today's and in future worlds. Courses take an integrative approach to understanding interactions between the solid Earth, the biosphere, the atmosphere and the hydrosphere, addressing how these interactions have developed over geological, historical, and recent time periods. Themes of the program include Earth surface processes (e.g., evolution of landforms and sedimentary basins), paleoclimatology (e.g., drivers of Earth's natural climate variability), biogeochemistry, Quaternary science (understanding the ice ages) and global environmental change. This program provides broad context over time and space to better understand and provide solutions for the current issues of climate change, resource consumption and global pollution weighing heavily on people and societies. Students are advised to check course prerequisites, to review the clusters of courses listed for the geoscience major program, and to consult the Earth Sciences Undergraduate Handbook for logical course progressions. For further questions, please contact the Student Affairs Coordinator (Scott Moore, Department of Earth Sciences, 22 Russell St. Earth Sciences Center, Room 1062 email: ugrad@es.utoronto.ca).

Keywords: Geoscience, Geology, Earth Sciences, Earth History, Evolution, Chemistry, Physics, Biology

Completion Requirements:

(8 full courses or their equivalent including at least 2.0 FCE at 300+ series with at least 0.5 FCE at 400 level series.)

1. 2.0 FCE foundation science courses: 2.0 FCE selected from JEG100H1/ESS102H, BIO120H1/ BIO130H1, CHM135H1/ CHM139H, CHM136H1/CHM138H, PHY131H1, PHY132H1, MAT135H1, ENV237H1/ ENV238H1

2. 3.0 FCE core courses:

- 1.0 FCE at 200 level chosen from the following courses: ESS241H1, ESS261H1, ESS262H1 (NOTE: ESS261H and ESS262H1 may be taken in either order.)
- 1.0 FCE at 300 level: ESS345H1, ESS361H1/ ESS362H1/GGR305H1
- 0.5 FCE field course: ESS410H1/ ESS450H1/ GGR390H1
- 0.5 FCE capstone course: ESS461H1/ ESS462H1/ESS463H1/ ESS464H1

3. 3.0 FCE elective courses:

In addition to the above core courses, you need to take 3 FCE electives. This requirement can be satisfied by any of the Earth Sciences Courses listed in categories A to F below. The following clusters of courses are neither mutually exclusive nor meant to limit choice but intended to show logical course complements. These are not POST requirements; rather the clusters are presented to aid students in course selection according to their interests.

a) Earth Surface Processes

ESS241H1, ESS311H1, ESS331H1, ESS445H1, GGR201H1,
GGR205H1, GGR272H1

b) Paleoclimate

ESS331H1, ESS361H1, ESS362H1, ESS461H1, ESS464H1,
ENV234H1, GGR305H1

c) Biogeochemistry

ESS223H1/ENV233H, ESS311H1, ESS312H1, ESS362H1,
ESS410H1, ESS462H1

d) Global Environmental Change

ESS362H1, ESS462H1, ESS463H1, GGR203H1, GGR314H1,
PHY392H1

e) Quaternary Science

ANT314H1, ANT315H1, ANT409H1, ANT419H1, ESS461H1

f) Other Relevant Courses

ESS221H1, ESS222H1, JGA305H1, ESS450H1, GGR337H1,
ENV337H1, JSC301H1, ESS381H1, ESS399Y0, ESS481H1,
ESS490H1, ESS491H1/ ESS492Y1

Geoscience Major (Science Program) - ASMAJ0509

Description:

The study of Earth Sciences integrates many of the classical sciences like chemistry and physics and applies their principles to a diverse range of processes.. The major program aims to give students exposure to the traditional geoscience curriculum (Mineralogy, Petrology, Geological structures and Maps, Field Techniques etc.). Students wishing for a more customized degree, should explore the Earth and Environmental Systems Major. Students are advised to be aware of course prerequisites, check

clusters of courses listed for the geoscience major program, and consult the Earth Sciences Undergraduate Handbook for logical course progressions. For further questions, please consult with the Student Affairs Coordinator (Scott Moore, Department of Earth Sciences, 22 Russell St. Earth Sciences Center, Room 1062 email: ugrad@es.utoronto.ca).

Keywords: Geology, Paleontology, Earth History, Evolution

Completion Requirements:

(8 full courses or their equivalent including at least 2.0 FCE at 300+ series with at least 0.5 FCE at 400-series.)

2.0 to 2.5 FCE chosen from BIO120H1; (CHM135H1, CHM136H1)/(CHM138H, CHM139H); MAT135H1, MAT136H1, MAT137Y1; PHY131H1, PHY132H1; JEG100H1/ESS102H; ENV234H1

2.5 FCE core courses: ESS221H1, ESS222H1, ESS241H1,
ESS261H1, ESS331H1

0.5 FCE field course: ESS234H1/ESS330H/ ESS410H1/ ESS450H1

2.5 to 3.0 FCE chosen from 300/400 level ESS courses/ JGA305H1; note course progressions and prerequisites.

We suggest students consider the following logical course clusters in their higher years:

- (a) Earth/planetary materials and mineral resources: ESS223H1/ENV233H, ESS322H1, ESS431H1/ESS332H, ESS423H1
- (b) tectonics: JGA305H1, ESS345H1, ESS441H1, ESS445H1
- (c) environmental biogeochemistry: ESS223H1/ENV233H, ESS311H1, ESS312H1, ESS410H1, ESS461H1
- (d) geoarchaeology: JGA305H1, ESS461H1

For more information, please contact the Department of Earth Sciences, ugrad@es.utoronto.ca.

Environmental Geosciences Minor (Science Program) - ASMIN1253

Enrolment Requirements:

Admission to the Environmental Geosciences Minor has been administratively suspended as of 1 April 2015 and is no longer admitting students. Students presently enrolled in the minor will be able to complete the program requirements as described below.

Completion Requirements:

(4 full courses or their equivalent; must include at least one full-course equivalent at the 300+-level)

1. CHM136H1 (CHM138H1)
2. ENV233H1; ESS221H1, ESS222H1, ESS311H1, ESS312H1, ESS410H1

Geoscience Minor (Science Program) - ASMIN0509

Description:

The study of Earth Sciences (or “Geology” to use the Greek term) integrates the classical sciences of chemistry, physics and biology, and applies their principles to a diverse range of processes on Earth and other planets, from landform evolution to plate tectonics all the way to the origin and evolution of life and geomicrobiology. The Geoscience Minor program aims to give students as much leeway as possible to choose particular interests within the diverse and dynamic field of Earth Sciences. Students are advised to check course prerequisites, to review the clusters of courses listed for the geoscience major program, and to consult the Earth Sciences Undergraduate Handbook for logical course progressions. For further questions, please contact the Student Affairs Coordinator (Scott Moore, Department of Earth Sciences, 22 Russell St. Earth Sciences Center, Room 1062 email: ugrad@es.utoronto.ca).

Keywords: Geology

Completion Requirements:

(4 full courses or their equivalent, with at least 1.0 FCE at 300+ series.)

1. 1.0 FCE of 100-series CHM, BIO, or PHY courses.

2. 2.0 FCE of 100- or 200-level ESS courses (excluding [ESS103H1](#), [ESS104H1](#), [ESS105H1](#), and [ESS205H1](#)). It is however recommended to include at least [ESS262H1](#) or [ENV234H1](#) or [JEG100H1](#).

3. 1.0 FCE of 300/400 level ESS courses, including [JGA305H1](#).

Be aware of course prerequisites, check clusters of courses listed for the geoscience major program, and consult the geology undergraduate handbook for logical course progressions.

Earth Sciences Courses

JEG100H1 - Introduction to Physical Geography and Earth Science

Hours: 24L/12P

This introduction to Physical Geography and Earth Sciences examines the atmosphere, lithosphere, hydrosphere, cryosphere and biosphere, emphasizing processes, flows of energy and materials, and the interconnectedness of these Earth systems. Specific topics include weather and climate, earth materials, geological and geomorphic processes involved in the genesis of landforms, river systems, glaciers, soils, and biomes. Six laboratory meetings during the term.

Exclusion: GGR100H1, ESS102H1, ESS262H1, EESA06H3

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS103H1 - Geology in Public Issues

Hours: 24L

Geologic hazards: earthquakes, volcanoes, landslides, tsunamis. The distribution and politics of natural resources, including petroleum and ore deposits. Nuclear power and nuclear waste disposal. Global change: the geologic record of hot and cold climates, and how the earth survives. ESS103H1 is primarily intended as a science Distribution Requirement course for Humanities and Social Science, it will be taught in odd years.

Exclusion: GLG103H1, ERS103H5

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS104H1 - Controversies in Earth Science

Hours: 24L

The evolution of ideas about the origin and development of the earth from the Athenians to the 20th Century, with attention on the age of earth; on the evolution and disappearance of species; on the origin of oceans, continents and mountains; on climate change; and on the courage of scientists in confronting the religious and political views of their time. ESS104H1 is primarily intended as a science Distribution Requirement course for Humanities and Social Science students. Taught in even years.

Exclusion: GLG105H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS105H1 - Our home planet

Hours: 24L

The nature and evolution of the Earth; plate tectonics; rocks and minerals; volcanism; geological time; fossils; geology of Ontario; environmental issues; and human interactions with the planet. ESS105H1 is primarily intended as a science Distribution Requirement course for Humanities and Social Science students

Exclusion: GLG110H1, EESA06H3

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS198H1 - Resources and Sustainability

Previous Course Number: PMU199H1

Hours: 24L

The rise of humanity is intricately linked to the exploitation of natural resources. From its earliest attempts to use fire and extract metals from rocks, to coal-fired steam that brought the industrial revolution, hydrocarbons that fuel international travel and trade, nuclear energy to produce electricity, and the reliance on smartphones in our daily lives, the planet's resources have brought innovation and problems and require us to ask questions regarding sustainability. This course will explore the gamut from resource extraction and trading, to its societal consequences including global politics, environmental pollution, and remediation. The course will involve reading of scientific literature, student-led discussions, oral presentations and research projects, and potentially field trips to sites in Southern Ontario. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS196H1 - Life and Death in the Solar System

Previous Course Number: PMU199H1

Hours: 24L

Earth is the only planet in the solar system known to support life. Through directed readings, seminars, videos and lab visits, participants in this course will work with instructors whose own research tackles important questions concerning the origin of life on earth; the limits to life on this planet; implications for life under extreme conditions elsewhere in the solar system; and the life cycles of the planets themselves. The course will involve reading of scientific literature, student-led discussions, oral presentations and research projects, as well as potential field trips to sites in Southern Ontario. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS199H1 - Earth, Portrait of a Planet

Hours: 24L

Modern Earth Sciences touches on virtually all aspects of modern life, from the atmosphere to large scale natural disasters. This course will explore how earth sciences has shaped our society and our understanding of the earth as a system. Potential course topics include (but are not limited to) the great climate change crisis and what we know about climate change in the past to the literally earth moving ideas of plate tectonics (and the associated natural disasters). The course will involve reading of scientific literature, student-led discussions, oral presentations and research projects. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS197H1 - Earth and Life through Time

Previous Course Number: PMU199H1

Hours: 24L

This seminar will look through the lens of earth history to explore drivers of change in the biosphere and the impacts of these changes. We will focus on episodes of mass extinction, and the spectacular landscape changes and speciation events which often followed. Abrupt or gradual climatic changes, massive volcanism, asteroid impacts, catastrophic carbon releases, and human activity will be evaluated as the causes of major extinction events in Earth history. The course will involve reading of scientific literature, student-led discussions, oral presentations and research projects, as well as potential field trips to sites in Southern Ontario. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS205H1 - Confronting Global Change

Hours: 24L/8T

The emergence of society as a major geological force is considered in terms of the evolving debate about the consequences of human activity for the habitability of our planet. Major issues such as climate change, environmental pollution, and depletion of natural resources are examined.

Exclusion: GLG205H1, ERS321H5, ENV200H1, EEB208H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

ESS221H1 - Minerals and Rocks

Hours: 24L/36P

Systematic mineralogy (including: identification, classification and description), Physical and chemical properties of minerals. Crystallography and crystal systems (symmetry, crystal structure, crystal systems) Descriptions of rocks in hand samples. Optical techniques in mineral identification.

Exclusion: GLG206H1, ERS201H5, EESB19H3

Recommended Preparation: (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/ CHM151Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS234H1 - Introduction to Geological Field Methods

Previous Course Number: ESS330H1

Hours: TBA

A two-week field course in early May or late August. Students are introduced to field geology and to basic field measurement, mapping and documentation techniques (for example in the Espanola - Manitoulin Island area, west of Sudbury). Students are responsible for the cost of board and lodging and transport to and from the field area. Not eligible for CR/NCR option. Note: Enrollment is handled by the department. For registration deadlines, additional fees associated with the field course, course dates, and special registration requirements, please consult the departmental announcements or inquire at ugrad@es.utoronto.ca.

Prerequisite: ESS222H1, ESS241H1, ESS262H1

Exclusion: ESS330H1, GLG340H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS222H1 - Petrology

Hours: 24L/36P

Origin and classification of igneous, sedimentary and metamorphic rocks and their associated ore deposits. Emphasis is placed on formation of rock types in the context of plate tectonic theory, and the practical aspects of rock identification in hand sample and thin section.

Prerequisite: ESS221H1, ERS203H5, EESC36H3

Exclusion: GLG207H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS241H1 - Geologic Structures and Maps

Hours: 24L/36P

Field observations, description and classification of geological structures: stratigraphic and intrusive contacts, unconformities; relative age determination; folds and fold systems; faults and fault systems; boudinage, foliations and lineations; spherical projections and mechanical principles (stress, strain, rheology). Practical work focuses on reading geological maps, constructing cross-sections, and interpreting both in terms of geological processes and histories.

Exclusion: GLG345H1, EESC37H3

Recommended Preparation: JEG100H1/ ESS262H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS223H1 - Earth System Chemistry 1: Earth Materials

Previous Course Number: ENV233H1

Hours: 24L/24T

This course introduces students to the basic principles of geochemistry beginning with some fundamental chemical concepts concerning atoms, bonding and the periodic table. It continues with an overview of the wide ranging geochemical fields and concepts such as elemental distributions, fractionation and differentiation, and trace element cycling. The latter half of the courses leads into an introduction to basic thermodynamics as it applies to more advanced geochemical concepts found in aqueous geochemistry, mineralogy and petrology.

Prerequisite: MAT135H1, MAT136H1, CHM135H1, ESS221H1, ESS262H1

Exclusion: ENV233H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS261H1 - Earth System Evolution

Hours: 24L/36P

Interrelationships between Earth's atmosphere, hydrosphere, geosphere and biosphere through time; including patterns of evolution and extinction as they are related to changes at the earth's surface and recorded in the rock record. Laboratories cover major groups of fossils, their classification, use in biostratigraphy, and living analogues. NOTE: ESS261H1 and ESS262H1 may be taken in either order; and both are required for advanced courses.

Exclusion: GLG217H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS262H1 - Earth System Processes**Hours:** 24L/24P

Processes acting within the Earth system, with particular emphasis on interactions between its components (hydrosphere, atmosphere, biosphere and solid Earth) at long and short timescales. Lecture topics include pre-biotic and post-biotic atmosphere, thermohaline circulation of the oceans, plate tectonics, the rock cycle, regulation of paleoclimates, the global carbon cycle and the terrestrial and marine biosphere.

Exclusion: JEG100H1**Recommended Preparation:** PHY131H1/ CHM138H1/ BIO120H1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**ESS311H1 - Earth System Chemistry 2: Aqueous Geochemistry****Hours:** 24L/24P

An introduction to aqueous environmental geochemistry emphasising the importance of chemical equilibria, mass transport, and microbiological activity in regulating the chemical composition of natural and contaminated systems.

Prerequisite: ESS223H1/ ENV233H1**Exclusion:** GLG351H1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**ESS312H1 - Hydrogeology****Hours:** 24L/24P

Groundwater flow, the role of groundwater in geologic processes, and physical, chemical and biological constraints on contaminant source transport and attenuation.

Prerequisite: ESS311H1**Exclusion:** GLG450H1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**ESS299Y1 - Research Opportunity Program****Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Science**JGA305H1 - Environmental and Archaeological Geophysics****Hours:** 24L/12P

Application of near-surface geophysical methods to investigate environmental and archaeological sites; in particular magnetometry, resistivity, ground-probing radar, and seismic surveys. Course will cover background on the various methods, and allow students to run field surveys and present on case studies.

Prerequisite: ESS241H1 or ANT200Y1 or GGR201H1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**ESS322H1 - Igneous and Metamorphic Petrology****Hours:** 24L/36P

An overview of the nature and origin of igneous as well as metamorphic rocks, with particular emphasis on the interpretation of textures and mineral assemblages as they reflect rock-forming processes. Laboratory exercises familiarise students with the most common rock types, and provide practical examples of the theoretical principles discussed in lectures. This course also has a mandatory weekend field trip to view igneous and metamorphic rocks and structures in the Bancroft or Montreal area.

Prerequisite: ESS221H1, ESS222H1, ESS223H1/ ENV233H1, ESS330H1**Exclusion:** GLG318H1, GLG319H1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)

ESS324H1 - Advanced Geological Field Methods

Previous Course Number: ESS420H1

Hours: TBA

A two-week advanced geological mapping project in a challenging field environment. Students learn to compile existing geoscience data, create a geological map and prepare a professional final report on their activities and findings. Not eligible for CR/NCR option. For registration deadlines, additional fees associated with the field course, course dates, and special registration requirements, please consult the departmental announcements or inquire with ugrad@es.utoronto.ca.

Prerequisite: ESS322H1, ESS234H1/ ESS330H1

Exclusion: ESS420H1, GLG445H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS345H1 - Computational Geology

Hours: 24L/1T/24P

A practical introduction to programming. This course will teach an operational knowledge on how to write and execute self written computer programs. Course topics touch upon using a computer without a graphical interface, using an integrated development environment, programming, documenting, debugging, reading and writing data, graphical output, how to navigate existing documentation and internet resources, and last but not least how to effectively ask for help. Students will work individually and in small groups in an inverted classroom setting on earth science related problem sets. Previous programming experience is not required, however curiosity, independence and perseverance are mandatory.

Prerequisite: 2 FCEs from first-year math, chemistry or physics courses; 2 FCEs of earth sciences courses

Exclusion: GLG204H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS331H1 - Sedimentation and Stratigraphy

Hours: 24L/36P

Formal principles of stratigraphy, types of stratigraphic unit, methods of dating and correlation (biostratigraphic methods, magnetostratigraphy, radiometric dating). Methods of study in surface and subsurface (outcrop measurement, elementary introduction to wireline logs, seismic methods). The principles of facies analysis; sediment transport - sedimentary structures, the flow regime, and sediment gravity flows. The carbonate factory and carbonate rock classification. Trace fossils. Laboratory exercises in understanding facies mapping, isopachs and isolith maps.

Prerequisite: ESS221H1

Exclusion: GLG360H1, ERS313H5

Recommended Preparation: ESS222H1, ESS330H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS361H1 - Atmosphere-Biosphere Interact

Hours: 24L

Theory on the exchange of energy and matter (carbon, water) between the land surface and atmosphere, with a focus on the implications of ecosystem-level processes for regional micrometeorology. Examples will be taken from research on contemporary as well as palaeoclimate systems. Case studies to include how changes in vegetation type alter surface radiation balance, hydrological cycling and heat transfer in soils. There is no formal textbook for this course. Lecture material will be augmented with assigned readings from the scientific literature.

Prerequisite: 8.0 FCE's, including 1 FCE from PHY131H1/ PHY132H1/ CHM135H1/ CHM136H1/ CHM138H1/ CHM139H1/ MAT135H1/ MAT136H1

Exclusion: GGR303H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

ESS362H1 - Oceanography

Hours: 24L/24P

An introduction to the physical, geological, chemical, and biological processes governing the world's oceans. The course emphasizes critical thinking, environmental issues, and interrelationships among scientific disciplines.

Prerequisite: 8.0 FCE

Recommended Preparation: 1.0 FCE from ESS102H1/

PHY131H1/ PHY132H1/ CHM135H1/ CHM136H1/ CHM138H1/

CHM139H1/ BIO120H1/ MAT135H1 & ESS261H1/ ESS262H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS381H1 - Special Topics in Earth Science**Hours:** 24L/24P

A survey of current thinking in Earth science. Topics may include isotope geochemistry, ore genesis, or planetary remote sensing.

Prerequisite: minimum of 1.0 credits in ESS at the 200+level**Distribution Requirements:** Science

Breadth Requirements: The Physical and Mathematical Universes (5)

JPE395H1 - Physics of the Earth**Hours:** 24L

Designed for students interested in the physics of the Earth and the planets. Study of the Earth as a unified dynamic system; determination of major internal divisions in the planet; development and evolution of the Earth's large scale surface features through plate tectonics; the age and thermal history of the planet; Earth's gravitational field and the concept of isostasy; mantle rheology and convection; Earth tides; geodetic measurement techniques, in particular modern space-based techniques.

Prerequisite: PHY132H1/ PHY152H1/ PHY180H1/ MIE100H1, MAT235Y1/ MAT237Y1/ MAT291H1/ AER210H1, PHY254H1/**Exclusion:** PHY359H1, PHY395H1**Distribution Requirements:** Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS391H1 - Directed Studies**Hours:** TBA

An individual study program chosen by the student with the advice, and under the supervision, of a faculty member. Such work may involve obtaining data in the field or lab and analysing it, an interdisciplinary research project, and supervised readings. Not eligible for CR/NCR option.

Prerequisite: enrollment in an Earth Science program of study, completion of at least one full-course equivalent of 200-series ESS courses.**Exclusion:** GLG371H1**Distribution Requirements:** Science**ESS398H0 - Research Excursions****Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Science**ESS392Y1 - Directed Studies****Hours:** TBA

An individual study program chosen by the student with the advice, and under the supervision, of a faculty member. Such work may involve obtaining data in the field or lab and analysing it, an interdisciplinary research project, and supervised readings. Not eligible for CR/NCR option.

Prerequisite: enrollment in an Earth Sciences Program of Study; completion of at least one full-course equivalent of 200-series ESS courses.**Exclusion:** GLG372Y1**Distribution Requirements:** Science**ESS398Y0 - Research Excursions****Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Exclusion: GLG399Y0**Distribution Requirements:** Science

ESS410H1 - Field Techniques in Hydrogeochemistry

Hours: TBA

A ten-day field course in late summer at the Deep River field site designed to familiarize students in a variety of hydrogeological and biogeochemical field techniques; includes a mixture of lecture, laboratory and field exercises. Not eligible for CR/NCR option. Note: Enrollment is handled by the department. For registration deadlines, additional fees associated with the field course, course dates, and special registration requirements, please consult the departmental announcements or inquire with ugrad@es.utoronto.ca.

Prerequisite: ESS311H1, ESS312H1

Exclusion: GLG448H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS431H1 - Basin Analysis

Previous Course Number: ESS332H1

Hours: 24L/36P

Detailed study of each of the major sedimentary environments. Typical facies assemblages, cyclic sedimentation. Autogenic and allogenic processes. The principles of sequence stratigraphy. The history of the sequence concept; systems tracts and bounding surfaces. Sequence models. What causes sequences: mechanisms of change in base level and accommodation: – tectonism, climate change, eustatic sea-level change.

Prerequisite: ESS331H1

Exclusion: GLG430H1, ESS332H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS423H1 - Mineral Deposits

Hours: 24L/36P

Geology and geochemistry of ore deposits. Origin and interpretation; systematic ore mineralogy, in hand specimen and reflected light microscopy.

Prerequisite: ESS322H1

Exclusion: GLG442H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

Hours: 24L/24P

Principles of geological mechanics: stress, strain, rheology. Faulting, folding and development of tectonic foliations and lineations. Structural analysis of fractures, folds and tectonites.

Prerequisite: 8.0 FCEs of ESS courses including ESS222H1, ESS234H1, ESS241H1, ESS331H1

Recommended Preparation: ESS345H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS425H1 - Advanced Methods in the Geosciences

Hours: 24L/36P

This course provides an in-depth exploration of methods which are commonly used in the Geosciences. The course content will vary from year to year; students should inquire with the Department about course topics and pre-requisites before the beginning of the Fall term. Topics taught in this course include, but are not limited to, laboratory analytical techniques (such as X-ray diffraction, X-ray fluorescence, stable isotopes, light and scanning electron microscopy and Inductively Coupled Plasma Mass Spectrometry), core logging, computational techniques including modeling, statistical methods, or spatial analysis tools for geological mapping applications such as plotting cross sections or correlating biostratigraphies.

Prerequisite: 8 FCEs of Earth Sciences courses

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS445H1 - Global Tectonics

Hours: 24L/24P

Exploration of physical Earth processes and their relationship to large-scale geological phenomena. Mantle convection as plate tectonic engine; intraplate/plate boundary lithospheric deformation including orogenesis and crustal subsidence. Focus on reconciling geodynamic theory/modelling with geological/geophysical observations.

Exclusion: GLG465H1

Recommended Preparation: ESS322H1, ESS332H1 & ESS441H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS450H1 - Geophysical Field Techniques

Hours: TBA

A ten-day field course in late August at the Deep River field site. Students get hands-on experience using geophysical instrumentation, applying various data collection techniques, and performing data analysis in gravity, magnetic, seismic, electrical, electromagnetic, and radar surveys. Not eligible for CR/NCR option. Note: Enrollment is handled by the department. For registration deadlines, additional fees associated with the field course, course dates, and special registration requirements, please consult the departmental announcements or inquire with ugrad@es.utoronto.ca. Additional fee of up to \$500 will apply.

Recommended Preparation: JGA305H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS462H1 - Global Biogeochemical Cycles

Hours: 24L

A seminar course focusing on the exchange of matter (i.e. elements, minerals) between the Earth's atmosphere, ocean, and biosphere. Course-related topics include global biogeochemical cycling of carbon, nitrogen, phosphorous, silicon, iron, and zinc (amongst other elements) and will include both terrestrial and marine ecosystems. Examples and case studies will be viewed from the paleo-, contemporary and potential future global change perspectives. The overall content of course readings will be determined by student interest, as students have the freedom to choose topics (readings) of personal interest. Offered in alternate years.

Prerequisite: 10 FCEs from any of ESS/MAT/PHY/CHM/EEB/GGR, including ESS361H1/ ESS362H1/ GGR305H1

Exclusion: GGR403H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS452H1 - Geophysical Imaging with Non-seismic Methods

Hours: 24L

Current geophysical surface and borehole methodologies (gravity, magnetics, electrical, electromagnetic, nuclear) and their theoretical basis for investigating Earth's interior to depths ranging from several metres to tens of kilometers.

Exclusion: PHY494H1

Recommended Preparation: ESS345H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS463H1 - Earth System Chemistry 3: Contaminants

Hours: 24L

Disturbances to the Earth system by anthropogenic contaminant input and how to improve environmental quality. Case studies include mining contamination and remediation, and movement of contaminants in air, water, soils, and sediments, particularly in urban areas.

Prerequisite: ESS261H1, ESS262H1, ESS361H1/ ESS362H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS461H1 - Palaeoenvironmental Studies

Hours: 24L/24P

The use of proxy data (terrestrial and aquatic microfossils) to infer past environmental conditions. The nature and extent of Quaternary environmental change is considered in the context of assessing current issues such as acidification, metal pollution, eutrophication and global climate change. Paleoenvironmental techniques are applied in the laboratory.

Prerequisite: ESS261H1

Exclusion: GLG436H1

Recommended Preparation: ESS362H1, ENV233H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

ESS464H1 - Biological Perspectives on Earth System Evolution

Hours: 24L

A seminar course focussing on ways that the Earth's biosphere (terrestrial and marine) has altered the overall functioning of the Earth System over geological time, including (1) influence of terrestrial vegetation on surface processes such as palaeosol development, river geomorphology, erosion, and cycling of major biogeochemical nutrients on land, (2) influence of the marine biosphere on the concentration of O₂ and CO₂ in the atmosphere, including the origin of the stratospheric ozone layer, and (3) the interactive influence of the terrestrial and marine biosphere on atmospheric moisture transport, production of latent relative to sensible heat fluxes, and the development of the planetary boundary layer. Offered in alternate years.

Prerequisite: ESS261H1/ ESS262H1, ESS361H1/ ESS362H1/ GGR305H1 or permission of the instructor

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

ESS490H1 - Geological Capstone Fieldtrip

A two-week excursion to a challenging field setting. Students will integrate field observations with their accumulated knowledge of geodynamics, structural geology, and landscape evolution to understand large-scale geological events. Not eligible for CR/NCR option. This course will be offered in the summer session of 2020. Note: Enrollment is handled by the department. For registration deadlines, additional fees associated with the field course, course dates, and special registration requirements, please consult the departmental announcements or inquire with ugrad@es.utoronto.ca.

Prerequisite: At least 12 FCE of any Earth Science program of study requirements, or permission of the instructor

Exclusion: GLG420H1

Recommended Preparation: ESS221H1, ESS222H1, ESS234H1, ESS331H1, ESS423H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS491H1 - Undergraduate Thesis Project

Hours: TBA

Research emphasising methods used in field and experimental work. Students must obtain the consent of an instructor and register with the undergraduate coordinator and are urged to do so toward the end of their third year. In addition to submitting a thesis, students are required to give an oral presentation of their research results to an open meeting of the department. Not eligible for CR/NCR option.

Prerequisite: Completion of the required 300-level courses, and enrollment in a relevant program and permission of the department.

Exclusion: GLG471H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS492Y1 - Undergraduate Thesis Project

Hours: TBA

Research emphasising methods used in field and experimental work. Students must obtain the consent of an instructor and register with the undergraduate coordinator and are urged to do so toward the end of their third year. In addition to submitting a thesis, students are required to give an oral presentation of their research results to an open meeting of the department. Not eligible for CR/NCR option.

Prerequisite: Completion of the required 300-level courses in an appropriate program and permission of the department.

Exclusion: GLG470Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

JPE493H1 - Seismology

Hours: 24L

Why do earthquakes occur and how are they related to tectonic motion of the Earth's surface? What is the physics behind the propagation of seismic waves through the Earth, and how can it be used to determine the internal structures of the Earth? This introductory course is aimed at understanding the physics behind seismic wave propagation, as well as asymptotic and numerical solutions to the elastodynamic equation. Travel time and amplitude of seismic waves are discussed based on seismic ray theory, while numerical methods are introduced to obtain accurate solutions to more complex velocity structures. Seismic tomographic methods, including their applications to hydrocarbon reservoir imaging, are also covered.

Prerequisite: JPE395H1, APM346H1/ APM351Y1/ MAT351Y1

Exclusion: PHY493H1

Recommended Preparation: ESS345H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes
(5)

East Asian Studies

Faculty List

Professors Emeriti

S. Arntzen, MA, PhD
 E.-J. Baek, MA, PhD
 J. Ching, MA, PhD (obiiit)
 R.W. Chu, BLS, MA
 V.C. Falkenheim, MA, PhD
 R. Guisso, BA, DPhil
 F.P. Hoff, MA, PhD (obiit)
 A.V. Liman, MA
 R.J. Lynn, MA, PhD
 K. Nakajima, MA, MPhil
 L.C.D.C. Priestley, MA, PhD
 S. Sandahl, MA, PhD
 W.A. Schlepp, BSc, BA, PhD
 V.T. Shen, MA, PhD (obiit)
 R. Tsukimura, MA, PhD
 A.H.C. Ward, MA
 D.B. Waterhouse, MA, LRAM, FRSC, FRAS (obiit)

Chair of the Department

A. Schmid, MA, PhD

Professors

E. Cazdyn, MA, PhD
 J. Liu, MA, MA, PhD
 A. Sakaki, MA, PhD
 L. Yoneyama, MA, PhD

Associate Professors

L.R. Feng, MA, PhD
 K. Kawashima, MA, PhD
 T. Keirstead, MA, PhD
 Y. Meng, MA, MA, PhD
 J. Poole, MA, PhD
 G. Sanders, PhD
 A. Schmid, MA, PhD
 Y. Wu, MA, MA, PhD

Assistant Professors

M. Cho, MA, PhD
 A. Goodman, MA, PhD
 Y. Zhong, MA, PhD

Associate Professors, Teaching Stream

J. Arimori, MA
 K. Ko, MA, PhD
 I. Komuro-Lee, MA
 H. Rupprecht, MA, PhD

Assistant Professors, Teaching Stream

Y. Choi, MA, PhD
 Y. Tomita, MA, PhD

Introduction

The Department of East Asian Studies offers students the opportunity to develop a deeper understanding of the history, cultures, and languages of premodern, modern, and contemporary East Asia. The department's course offerings engage the diversity of East Asian cultures, from contemporary film and politics to ancient philosophy, and they critically examine the structures that define the area and render it an object of study. We offer a full range of

courses on East Asian literature, history, thought, religion, and society, as well as Chinese, Japanese, and Korean language courses from beginning to advanced levels. In a time of globalization, a degree in East Asian Studies can be an excellent springboard from which to launch a career in fields where bilingualism, critical analytical skills, and in-depth knowledge of the socio-historical and cultural contexts of East Asian texts and ideas are essential. Our Major and Specialist programs build the foundation for careers in teaching and research, international business and law, foreign service, and cultural institutions.

Students seeking advice on course selection or academic progress should contact the Undergraduate Coordinator, but all members of the Department will be happy to provide advice and information about their course offerings. In conjunction with Woodsworth College, the Department offers courses during June and July at the University of Hong Kong, and through the Centre for International Experience, participates in exchange programs with universities in China, Korea, Japan, Taiwan, and Singapore.

General Enquiries: Robarts Library, 14th Floor, (416) 946-3625, eas.undergrad@utoronto.ca, www.eas.utoronto.ca

East Asian Studies Programs

East Asian Studies Specialist (Arts Program) - ASSPE1058

Completion Requirements:

Completion of the program requires 10.0 FCEs, meeting the following requirements:

1. EAS103H1 and EAS105H1, normally taken in the first year;
2. EAS209H1, highly recommended to be taken in the second year;
3. At least third-year proficiency in Chinese, Korean or Japanese, either by completing an appropriate language course (e.g., EAS300Y1/ EAS310Y1/ EAS320Y1 or a 400-level language course) or by demonstrating the required proficiency in the initial placement. Students whose placement assessment exempts them from the requirement must substitute Society-Culture courses or courses in one of the other languages offered;
4. A minimum of 5.0 Society-Culture FCEs, with at least 4.0 FCEs at the 300-level or above, of which at least 1.0 FCE must be at the 400 level;
5. Additional EAS courses to a total of 10.0 FCEs; and
6. 2.5 FCEs may be courses on East Asia offered by other departments.

Note: First-year students should take EAS103H1 and EAS105H1, a first-year language course (unless placed in an upper-year language course by the department), and may take up to 1.0 Society-Culture FCE at the 200-level.

East Asian Studies Major (Arts Program) - ASMAJ1058

Completion Requirements:

Completion of the program requires 7.0 FCEs, meeting the following requirements:

1. [EAS103H1](#) and [EAS105H1](#), normally taken in the first year;
2. [EAS209H1](#), highly recommended to be taken in the second year;
3. At least second-year proficiency in Chinese, Korean or Japanese, either by completing an appropriate language course (e.g., [EAS201H1](#)/[EAS200Y1](#)/[EAS210Y1](#)/[EAS211Y1](#)/[EAS212H1](#)/[EAS220Y1](#)/[EAS221H1](#) or a higher level language course) or by demonstrating the required proficiency in the initial placement. Students whose placement assessment exempts them from the requirement must substitute Society-Culture courses or courses in one of the other languages offered;
4. A minimum of 3.0 Society-Culture FCEs, with at least 2.0 FCEs at the 300-level or above, of which at least 0.5 FCE must be at the 400 level;
5. Additional EAS courses to a total of 7.0 FCEs; and
6. 1.5 FCE may be courses on East Asia offered by other departments.

Note: First-year students should take [EAS103H1](#) and [EAS105H1](#), a first-year language course (unless placed in an upper-year language course by the department), and may take up to 1.0 Society-Culture FCE at the 200-level.

East Asian Studies Minor (Arts Program) - ASMIN1058

Completion Requirements:

Completion of the program requires 4.0 FCEs, meeting the following requirements:

1. [EAS103H1](#) and [EAS105H1](#);
2. 3.0 Society-Culture FCEs, one of which must be 300/400-level; and
3. 1.0 FCE may be courses on East Asia offered by other departments.

Language courses cannot be used to fulfil the requirements of the Minor program.

Course Groups

Core Courses

- [EAS103H1 Premodern East Asia](#)
- [EAS105H1 Modern East Asia](#)
- [EAS209H1 Approaches to East Asia](#)

Society-Culture Courses

- [EAS214H1 History of Chinese Thought: Beginnings to Period of Disunion](#)
- [EAS215H1 History of Chinese Thought: Tang through Ming](#)
- [EAS218H1 Classical Chinese Prose](#)
- [EAS219H1 Cultural History of Food in East Asia](#)
- [EAS230H1 Critical Approaches to Chinese Literature](#)
- [EAS235H1 Perceptions of China in Japanese Literature](#)
- [EAS241H1 History of Chinese Philosophy](#)
- [EAS242H1 Japanese Cinemas I: Film Form and the Problems of Modernity](#)
- [EAS243H1 Japanese Cinemas II: Film Form and the Problems of Modernity](#)

- [EAS245H1 Premodern Japanese History](#)
- [EAS246H1 Early Modern Japanese History](#)
- [EAS247H1 History of Capitalism in Modern Japan](#)
- [EAS248H1 Marxism and East Asia](#)
- [EAS251H1 Aesthetics and Politics in 20th Century Korea](#)
- [EAS256H1 Chinese Literature \(Pre-Qin to Tang\)](#)
- [EAS257H1 Chinese Literature \(Song to Qing\)](#)
- [EAS263H1 Classical Japanese Literature](#)
- [EAS271H1 20th Century Korean History](#)
- [EAS273H1 Modern Chinese Cities](#)
- [EAS274H1 Popular Culture in East Asia](#)
- [EAS278H1 Approaches to Korean Cinema](#)
- [EAS279H1 East Asian Ecocinema](#)
- [EAS284H1 Modern Chinese Literature](#)
- [EAS284Y1 Modern Chinese Literature](#)
- [EAS285H1 Revolutions in Modern China](#)
- [EAS289Y1 Environment and East Asia](#)
- [EAS295Y0 Selected Topics in East Asian Studies, 200-level](#)
- [EAS296H1 Topics in East Asian Studies](#)
- [EAS297H1 Texts, Images and Objects in East Asia](#)
- [EAS299Y1 Research Opportunity Program](#)
- [EAS307H1 Chinese Political Philosophy](#)
- [EAS308H1 East Asia Seen in Maps, Ancient and Modern](#)
- [EAS309H1 Modern Chinese Prose](#)
- [EAS311H1 A History of Japanese Monsters](#)
- [EAS312H1 Art and Archaeology of Early China](#)
- [EAS314H1 Culture & World After Hiroshima & Nagasaki](#)
- [EAS315H1 The "Yellow Peril": Past & Present](#)
- [EAS324H1 The Asia-Pacific in the Nuclear Age](#)
- [EAS327H1 Japanese Fiction and the Nation](#)
- [EAS328H1 Science, Technology and Society in Modern China](#)
- [EAS330H1 Narrative Strategies in Modern Japanese Fiction](#)
- [EAS333H1 Modernism and Colonial Korea](#)
- [EAS334H1 Chinese Novels](#)
- [EAS334Y1 Chinese Novels](#)
- [EAS338H1 Classical Daoism](#)
- [EAS340H1 Topics in Chinese Society and Culture](#)
- [EAS340Y1 Topics in Chinese Society and Culture](#)
- [EAS345Y1 The Rise of Greater China: Issues & Topics](#)
- [EAS346H1 Self and Imagination in Premodern China](#)
- [EAS347H1 Everyday Life in Modern Japan](#)
- [EAS348H1 Gift, Plunder, and Exchange: Japan and World History](#)
- [EAS349H1 Soundscapes and Modern China](#)
- [EAS350H1 Ideology and Japan](#)
- [EAS354H1 Body, Movement, Japan](#)
- [EAS357H1 Mao's China and Beyond](#)
- [EAS358Y1 Classical Chinese I](#)
- [EAS361H1 Zen Buddhism](#)
- [EAS362Y1 Classical Japanese](#)
- [EAS363H1 Classical Japanese Part I](#)
- [EAS364H1 China's Cultural Revolution: History and Memory](#)
- [EAS365H1 Classical Japanese Part II](#)
- [EAS366H1 Lovers and Madmen in Chinese Literature](#)
- [EAS370H1 Media, Cultural Citizenship, and the Korean Diaspora](#)
- [EAS372H1 The Postwar, Cold War and Divided Koreas](#)

- [EAS372Y1 The Postwar, Cold War and Divided Koreas](#)
- [EAS374H1 Modern Japan and Colonialism](#)
- [EAS375H1 Postwar Japan: Crisis, Apocalypse](#)
- [EAS378H1 Urban Life in Early Modern Japan](#)
- [EAS380H1 Writing Women in Premodern China](#)
- [EAS384H1 Medieval Japan](#)
- [EAS386H1 Culture of Nature in China](#)
- [EAS388H1 Asian/North American Feminist Issues](#)
- [EAS393H1 Topics in Buddhism](#)
- [EAS393Y1 Topics in Buddhism](#)
- [EAS394H1 Film Culture in Contemporary China](#)
- [EAS395Y0 Selected Topics in East Asian Studies](#)
- [EAS396H1 Topics in East Asian Studies](#)
- [EAS397H1 Literary Lives in Late Imperial China](#)
- [EAS398H0 Research Excursions](#)
- [EAS398Y0 Research Excursions](#)
- [EAS406Y1 Thinking about Things: Material Culture in East Asia](#)
- [EAS407H1 Textual Analysis of Classical Chinese Philosophy](#)
- [EAS408H1 Modern Taiwanese Literature](#)
- [EAS409H1 Cities in Premodern China](#)
- [EAS412H1 Technology and Material Cultures of Ancient China](#)
- [EAS413H1 Medieval Chinese Civilization](#)
- [EAS414H1 Bodily/Mental Health in Chinese Philosophy](#)
- [EAS417H1 Korean Literary Translation Workshop](#)
- [EAS418H1 Topics in Chinese Art Theories](#)
- [EAS419H1 Chinese Cultural Studies Seminar: May Fourth](#)
- [EAS420H1 Travels, Travelers, and Travel Accounts in Asia](#)
- [EAS422H1 Warring States Philosophy and Its Contexts](#)
- [EAS431H1 Advanced Topics in Japanese Cinema](#)
- [EAS432H1 Korean Cultural Studies Seminar](#)
- [EAS434H1 Independent Studies](#)
- [EAS435H1 Independent Studies](#)
- [EAS436Y1 Independent Studies](#)
- [EAS438H1 Architecture in Premodern China](#)
- [EAS439H1 The Global Bildungsroman: Narratives of Development, Time, and Colonialism](#)
- [EAS444H1 The City, Body and Text in Modern Japanese Literature](#)
- [EAS446H1 The Communist Hypothesis and Asia](#)
- [EAS447H1 Sound Studies and Modern Japan](#)
- [EAS448H1 East Asian Studies Archive: Language, Number, Money](#)
- [EAS449H1 Future, Architecture, Japan](#)
- [EAS454H1 Special Topics in Modern Chinese History](#)
- [EAS455H1 Classical Confucianism](#)
- [EAS456H1 Japan as seen by ?: Reference, Apparatus, Operation](#)
- [EAS457H1 Special Topics in Modern Japanese History](#)
- [EAS458H1 Classical Chinese II](#)
- [EAS459Y1 Rethinking the Cold War in East Asia](#)
- [EAS466H1 History, Everyday Life, and North Korea](#)
- [EAS467H1 Photographic Narratives of Japan](#)
- [EAS468H1 Democratic Struggles in Korea](#)
- [EAS471H1 Issues in the Political Economy of South Korea](#)
- [EAS471Y1 Issues in the Political Economy of South Korea](#)
- [EAS473H1 Modern Korean History Seminar](#)
- [EAS474H1 U.S. and Canada's Wars in Asia](#)
- [EAS475Y1 Issues in East Asian Historiography](#)

- [EAS477H1 Samurai Culture](#)
- [EAS478Y1 Samurai Culture](#)
- [EAS479H1 Ecocriticism](#)
- [EAS484Y1 The Japanese Empire](#)
- [EAS486H1 Readings in Mahāyāna Sūtra Literature](#)
- [EAS488H1 Fandom, Transmedia, and the Korean Wave](#)
- [EAS489H1 Advanced Topics in Asian Media Studies](#)
- [EAS495Y1 Advanced Topics in East Asian Studies](#)
- [EAS496H1 Advanced Topics in East Asian Studies](#)
- [EAS497H1 Beyond Orientalism](#)

Language Courses

- [EAS100Y1 Modern Standard Chinese I](#)
- [EAS101Y1 Modern Chinese I for Students with Prior Background](#)
- [EAS110Y1 Modern Standard Korean I](#)
- [EAS120Y1 Modern Standard Japanese I](#)
- [EAS121H1 Japanese I for Students with Prior Background](#)
- [EAS122Y0 Summer Japanese in Japan I](#)
- [EAS200Y1 Modern Standard Chinese II](#)
- [EAS201H1 Modern Chinese II for Students with Prior Background](#)
- [EAS210Y1 Modern Standard Korean II](#)
- [EAS211Y1 Accelerated Modern Standard Korean I & II](#)
- [EAS212H1 Accelerated Modern Standard Korean II](#)
- [EAS220Y1 Modern Standard Japanese II](#)
- [EAS221H1 Modern Standard Japanese II for Students with Prior Background](#)
- [EAS222Y0 Summer Japanese in Japan IIa](#)
- [EAS223Y0 Summer Japanese in Japan IIb](#)
- [EAS300Y1 Modern Standard Chinese III](#)
- [EAS310Y1 Modern Standard Korean III](#)
- [EAS320Y1 Modern Standard Japanese III](#)
- [EAS321Y0 Summer Japanese in Japan IIIa](#)
- [EAS322Y0 Summer Japanese in Japan IIIb](#)
- [EAS401H1 Modern Standard Chinese IVa](#)
- [EAS402H1 Modern Standard Chinese IVb](#)
- [EAS410Y1 Modern Standard Korean IV](#)
- [EAS416Y1 Academic and Professional Korean](#)
- [EAS460H1 Modern Standard Japanese IVa](#)
- [EAS461H1 Modern Standard Japanese IVb](#)
- [EAS462Y0 Summer Japanese in Japan IVa](#)
- [EAS463Y0 Summer Japanese in Japan IVb](#)
- [EAS464Y0 Summer Japanese in Japan IV-c](#)

Society-Culture Courses on East Asia Offered by Other Departments

- [ANT341H1 China in Transition](#)
- [ANT472H1 Japan in Global Context: Anthropological Perspectives \(formerly ANT354Y1 and ANT354H1\)](#)
- [ANT477H1 Transnational Korea in and outside the Peninsula](#)
- [CAS201H1 Global Asian Studies: Insights and Concepts](#)
- [CAS202H1 Global Asian Studies: Sites and Practices](#)
- [CAS310H1 Comparative Colonialisms in Asia](#)
- [CAS320H1 Comparative Modernities in Asia](#)
- [CAS350H1 Asian Youth Cultures](#)
- [CAS360H1 Asian Genders](#)

- [CAS370H1 Asian Cities](#)
- [CAS390H1 Special Topics](#)
- [CAS400H1 Interdisciplinary Research in Methods in Contemporary Asian Studies](#)
- [CAS413H1 Asia and Canada](#)
- [CAS414H1 Public Culture and Media in Asia](#)
- [CAS420H1 Asia and the New Global Economy](#)
- [CAS430H1 Nationalism and Revolution in Asia](#)
- [CAS490H1 Special Topics in Contemporary Asian Studies](#)
- [CDN230H1 Asian Canadian History](#)
- [CDN390H1 Chinese Canadian Studies](#)
- [CIN376Y1 Chinese Cinemas](#)
- [FAH260H1 The Artistic Landscape of East Asia](#)
- [FAH262H1 Art and Visual Experience in Modern and Contemporary East Asia](#)
- [FAH360H1 World of the Senses: Chinese Decorative Arts](#)
- [FAH363H1 The Mechanics of the Image in China](#)
- [FAH368H1 Encounters: Art Within and Beyond East Asia](#)
- [FAH462H1 Outside East Asian Art](#)
- [FAH463H1 Materiality, Objecthood, Connoisseurship and Collecting in the Arts of East Asia](#)
- [FAH464H1 Transregional East Asian Art](#)
- [FAH465H1 Exhibiting China](#)
- [GGR343H1 The Changing Geography of China](#)
- [HIS280Y1 History of China](#)
- [HIS281Y](#)
- [HIS316H1 Competing Colonialism in Northeast China The Harbin Experiment](#)
- [HIS326H1 Topics in Chinese History](#)
- [HIS328H1 Modern China](#)
- [HIS380H1 Late Imperial China](#)
- [HIS385H1 The History of Hong Kong](#)
- [HIS385Y0 The History of Hong Kong](#)
- [HIS448H1 Gender in East and Southeast Asia](#)
- [HIS485H1 Topics in Chinese History](#)
- [HPS395Y1 Science, Development, and Innovation in Contemporary China](#)
- [JHA384H1 Japan in the World, mid-16th to mid-20th century](#)
- [JHA394H1 The Asia Pacific War](#)
- [JPA331Y1 Issues in Contemporary Chinese Politics](#)
- [MUS215H1 Performing Arts of East Asia](#)
- [NUS352H0 East Asia](#)
- [PHL237H1 History of Chinese Philosophy](#)
- [PHL337H1 Topics in Chinese Philosophy](#)
- [POL215Y1 Politics and Transformation of Asia-Pacific](#)
- [POL302Y1 State & Society in 20th Century China](#)
- [POL431Y1 Politics and Society in Contemporary China](#)
- [RLG206H1 Buddhism](#)
- [RLG356H1 Islam in China](#)
- [RLG372H1 Engaging Tibet](#)
- [RLG373H1 Buddhist Ritual](#)
- [RLG374H1 Buddhist Life Stories](#)
- [RLG379H1 Religions of the Silk Road](#)
- [RLG464H1 History and Historiography of Buddhism](#)
- [RLG465H1 Readings in Buddhist Texts](#)
- [SLA280H1 Introduction to Russian Asia: From Central Asia to Siberia](#)

Faculty of Arts & Science Language Citation

The Department of East Asian Studies participates in the Faculty of Arts and Science's Language Citation initiative for Chinese, Japanese, and Korean. The study of any of these languages is a challenging and time consuming endeavour, which offers rich rewards for students interested in the cultures, societies, and economies of East Asia.

The Language Citation recognizes a significant level of achievement in language study with a high level of academic success. The Language Citation is available to students who achieve a B- or above in 2.0 FCEs beyond the first-year course in a language. The following courses count towards a Language Citation:

Chinese
– [EAS200Y1](#), [EAS201H1](#), [EAS300Y1](#), [EAS401H1](#), [EAS402H1](#)
Japanese
– [EAS220Y1](#), [EAS221H1](#), [EAS320Y1](#), [EAS460H1](#), [EAS461H1](#)
Korean – [EAS210Y1](#), half a credit
of [EAS211Y1](#), [EAS212H1](#), [EAS310Y1](#), [EAS410Y1](#), and [EAS416Y1](#)

Students should note that the Language Citation is not equivalent to an academic program and that enrolment in a program is not necessary in order to earn the recognition bestowed by the Citation. Students interested in the Citation should email eas.undergrad@utoronto.ca.

East Asian Studies Courses

EAS196H1 - Consumption, Taste and Culture in East Asia

Hours: 24S

This course explores the roles that consumption and taste play in personal and public lives in East Asia. Course focus may include the cultural histories of food, fashion, tourism, sports, or forms of audio and visual media. (No prior knowledge of East Asian languages or cultures is necessary.) Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS197H1 - Media Worlds and East Asia**Hours:** 24S

The term "world-making" is often used nowadays to refer to transmedia storytelling, or the creation of story-worlds across serial narratives in a range of entertainment media, such as novels, games, film series/franchises, television shows, comics, and webtoons. This course looks at the ways that media producers and fans, alike, engage with media worlds. More importantly, the course situates these media worlds within a broader conception of "world-making," namely, the geopolitical and economic configuration of modern East Asia. (No prior knowledge of East Asian languages or cultures is necessary.) Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS198H1 - Martial Arts in East Asian Narratives****Hours:** 24S

What can we learn about East Asian history and culture through its rich tradition of narratives featuring the martial arts? This course introduces short stories and novels dealing with combat and warfare from nearly two thousand years of East Asian literature, exploring issues such as self and society, gender, power, the body, and identity. All texts will be provided in translation, and no prior knowledge of any East Asian language or culture is necessary. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS199H1 - Thinking through Art in Chinese Culture****Hours:** 24S

This seminar explores different visions and methods of art (textual and visual) as a way of thinking about living, knowing, and willing in Chinese culture. Examination of various theoretical texts on arts and literature, as well as works of art themselves, will provide students with knowledge and research skills on arts in Chinese culture, and an expanded sense of Chinese intellectual history. Questions explored in the course will include: How should we understand the concept of Chinese art beyond representation? How did Chinese literati pursue a sense of beauty through their poetry and painting? How is beauty apprehended in natural and constructed landscapes? What are the political and social functions of art education in Chinese culture? How do Chinese artists fit into a global cultural context? (No prior knowledge of East Asian languages or cultures is necessary.) Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**Core Courses****EAS103H1 - Premodern East Asia****Hours:** 24L/12T

Examines how various histories of East Asia can be written by focusing on specific themes in the histories of China, Japan, and Korea to roughly 1600. Required of EAS specialists, majors, and minors.

Exclusion: EAS102Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**EAS105H1 - Modern East Asia****Hours:** 24L/12T

Examines how various histories of East Asia can be written by focusing on specific themes in the histories of China, Japan, and Korea from roughly 1600 to the Cold War. Required of EAS specialists, majors, and minors.

Prerequisite: EAS103H1**Exclusion:** EAS102Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)

EAS209H1 - Approaches to East Asia**Previous Course Number:** EAS209Y1**Hours:** 24L/12T

Required of EAS specialists and majors, this course introduces various approaches, theories, and methodologies for the study of East Asian societies and cultures. As the course serves as a foundation for upper-level EAS courses, it should be taken as early as possible, preferably in the second year.

Prerequisite: EAS103H1, EAS105H1**Exclusion:** EAS209Y1**Distribution Requirements:** Humanities**Society-Culture Courses****EAS214H1 - History of Chinese Thought:
Beginnings to Period of Disunion****Hours:** 24L

This course examines the cultural history of China from the earliest times to the 9th century, through political, religious, philosophical, literary, and artistic developments. Emphasis will be on the reading and interpretation of primary source texts.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS215H1 - History of Chinese Thought:
Tang through Ming****Hours:** 24L

This course examines the vibrant middle period of Chinese history, a period in which some of the most distinctively traditional forms of thought, religious belief, artistic and literary expression, and scholarly practices emerged and developed. Topics include: the establishment of empire as a norm (and its implications); the rise of the literati and literati culture; the examination system; Neo-Confucian philosophy; visual culture; sciences of the body; and popular and print culture.

Distribution Requirements: Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**EAS218H1 - Classical Chinese Prose****Hours:** 24L

This course introduces the form and types of prose in classical Chinese literature by critical reading of some basic Chinese texts and their English translations on various themes, such as history, philosophy, religion and art.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS219H1 - Cultural History of Food in East Asia****Hours:** 24L

This course introduces historical, literary, and anthropological issues related to the consumption of food in East Asia. Through a wide variety of reading materials, it focuses on the relationship between various foodways and trade, ritual, religion, medicine, and cultural identity.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS230H1 - Critical Approaches to Chinese Literature****Hours:** 24L

Examines key questions in Chinese literature from the earliest times to 1800. Texts include poetry and narratives in English translation. The course introduces important themes, approaches, and theories to help students understand the "how" and "why" of writing and literary form in China.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

EAS235H1 - Perceptions of China in Japanese Literature

Hours: 24L

Lectures on Japanese literary negotiations with China, the Chinese and Chineseness, ranging from celebration of shared cultural practices and aestheticization of China to nativist resistance to Chinese cultural hegemony. Required readings are available in English translation, including Tale of Genji, Tale of Middle-Councillor Hamamatsu (medieval romance), Haku Rakuten (No Play), Battles of Coxinga (Kabuki play), Three-Cornered World (by Soseki), and Wild Goose (by Ogai).

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS243H1 - Japanese Cinemas II: Film Form and the Problems of Modernity

Hours: 36L/12T

This course investigates how film aesthetics relate to the most profound socio-historical problems of Japanese modernity. It also considers how various film makers employ cinematic form to engage the social problems of their moment. Part II focuses on the 1960s - present.

Exclusion: EAS237Y1

Recommended Preparation: EAS242H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS241H1 - History of Chinese Philosophy

Hours: 36L

The course introduces the major philosophical traditions in China, such as Confucianism, Daoism, and Buddhism, and their historical development from ancient to modern times in four periods: the emergence of Confucianism, Daoism, and other minor schools; the introduction of Buddhism and the development of various sects of Chinese Mahayana Buddhism; the unfolding of neo-Confucianism; and the development of modern Chinese philosophy.

Exclusion: PHL237H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

EAS245H1 - Premodern Japanese History

Hours: 24L

A survey of the history of premodern Japan from earliest recorded histories to the establishment of the Tokugawa regime in the seventeenth century. Uses a wide range of translated primary Japanese texts to illuminate the emergence of cultural forms and their conjunction with social, economic, religious, and political trends.

Recommended Preparation: EAS103H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

EAS246H1 - Early Modern Japanese History

Hours: 24L

A survey of the history of Japan from about 1600 until the disintegration of the Tokugawa regime in the mid-19th century. Uses a wide range of translated primary Japanese texts to illuminate the emergence of cultural forms and their conjunction with social, economic, religious, and political trends.

Recommended Preparation: EAS103H1/ EAS105H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

EAS242H1 - Japanese Cinemas I: Film Form and the Problems of Modernity

Hours: 36L/12T

This course investigates how film aesthetics relate to the most profound socio-historical problems of Japanese modernity. It also considers the ways various filmmakers employ cinematic form to engage the social problems of their moment. Part I focuses on the 1890s - 1950s.

Exclusion: EAS237Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS247H1 - History of Capitalism in Modern Japan**Hours:** 24L

This course provides a historical narrative of the development of the capitalist mode of production in Japan, from the mid-19th century to the present day. Readings include texts from various disciplines: economics, philosophy, social and labour history, and literature.

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)**EAS257H1 - Chinese Literature (Song to Qing)****Hours:** 24L

A survey of major works in premodern Chinese literature, including poetry, essays, short narratives and drama from the Song through Qing dynasties (10th - 19th centuries CE).

Exclusion: EAS337Y1, EAS337H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS248H1 - Marxism and East Asia****Hours:** 24L

This course focuses on how Marxism became one of the most important and influential systems of revolutionary thought in East Asian countries such as Japan, Korea, and China in the twentieth century, with enormous repercussions for our present historical conjuncture. The course particularly focuses on the theoretical creativity and impasses that went into translating the basic tenets of Marxism to address particular, national questions in East Asia.

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)**EAS263H1 - Classical Japanese Literature****Hours:** 24L

This course examines canonical literary works written in classical and sinic Japanese (bungo and kanbun), including poetry, narrative, and theatre, produced from the Nara Period to the Edo Period (roughly 8th to 19th Centuries), with an emphasis on rhetoric, media, performance, reception history, canon formation and gender relations. Themes include: orality and literacy; masculine and feminine discourses; image and text; poetry and narrative; (auto)biography and fiction; intertextuality and authorship; the supernatural and realistic; establishment and resistance; and the centre and periphery. All readings will be in English.

Recommended Preparation: EAS103H1, EAS245H1, EAS246H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS251H1 - Aesthetics and Politics in 20th Century Korea****Hours:** 24L

This lecture course examines key questions and texts in the history of literature from the Korean peninsula during the twentieth century, exploring how aesthetic form refracted the experiences of colonialism, division, and the formation of opposing nation-states.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS271H1 - 20th Century Korean History****Hours:** 24L

A survey of the history of Korea from the Tonghak uprising and Sino-Japanese war of 1894-1895, through the colonial period, division, and to the civil war.

Exclusion: EAS271Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**EAS256H1 - Chinese Literature (Pre-Qin to Tang)****Hours:** 24L

A survey of major works in premodern Chinese literature, including poetry, essays, and short narratives from the pre-Qin through Tang eras (11th century BCE - 10th century CE).

Exclusion: EAS336Y1, EAS336H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

EAS273H1 - Modern Chinese Cities**Hours:** 24L

This course offers a critical review of the history and historiography of modern Chinese cities. Focusing on the development of specific Chinese cities, the course emphasizes understanding the socio-cultural production of space as well as analytical reading of landscape, urban imagery, and urban writings.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS274H1 - Popular Culture in East Asia****Hours:** 24L

Through various forms of popular culture in the 20th century, this course explores the cultural contexts and social trajectories of China, Japan and Korea. Forms of popular culture studied include art, visual culture, consumer habits, foodways, advertising, music, and fashion.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS278H1 - Approaches to Korean Cinema****Hours:** 36L

This course explores the postwar development of film in Korea with a focus on the analysis of film form, genre and historical context.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS279H1 - East Asian Ecocinema****Hours:** 36L

The course examines the ethical, political, historic and aesthetic dimensions of Asian Ecocinema (environmental films that engage with the Asia-based global environmental crisis) and discusses the films' ways of connecting place and planet.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS284H1 - Modern Chinese Literature****Hours:** 24L

This course offers a critical examination of 20th-century Chinese literature, with a focus on the important developments of literary writing over time, from the inception of New Literature in the 1910s, the development of realism and modernism in the 1930s, to the emergence of post-revolution and postmodernist writings in the 1990s. Emphasis is placed on generating a dialogue on interpretations of key works.

Exclusion: EAS284Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS284Y1 - Modern Chinese Literature****Hours:** 48L

This course offers a critical examination of 20th-century Chinese literature, with a focus on the important developments of literary writing over time, from the inception of New Literature in the 1910s, the development of realism and modernism in the 1930s, to the emergence of post-revolution and postmodernist writings in the 1990s. Emphasis is placed on generating a dialogue on interpretations of key works.

Exclusion: EAS284H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS285H1 - Revolutions in Modern China****Hours:** 24L

This course offers an interdisciplinary treatment of the Chinese people's protracted struggle to transform the world's oldest empire and to create a revolutionary society, with a special focus on the myriad revolutions, uprisings, and protests that had radically remade the country's social fabric in the tumultuous twentieth century. First-person accounts, classic and revisionist scholarly works, and literary and visual materials will be used to examine China's multifaceted transformations both chronologically and thematically, in their socioeconomic, cultural, political, and global contexts.

Recommended Preparation: EAS105H1, HIS280Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)

EAS289Y1 - Environment and East Asia**Hours:** 48L

This course explores the environmental crisis in East Asia, with a special focus on its representations in the media, film, and literary writings.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1); Society and its Institutions (3)**EAS295Y0 - Selected Topics in East Asian Studies, 200-level****Hours:** TBA

This course allows students to pursue the specialized study of specific topics tailored to the research and study opportunities available in Hong Kong and the expertise and interests of the instructor. Available only in the Woodsworth College Hong Kong Summer Program.

Distribution Requirements: Humanities**EAS296H1 - Topics in East Asian Studies****Hours:** 24L

An in-depth study of Chinese, Japanese or Korean culture, history and/or literature. Content depends on the instructor. When offered, the course will have a subtitle that describes its content.

Distribution Requirements: Humanities**EAS297H1 - Texts, Images and Objects in East Asia****Hours:** 24P

This course seeks to understand East Asian civilizations through texts, images, and objects exhibited at the Royal Ontario Museum (ROM). Students study various texts, paintings, bronzes, architecture, sculptures, porcelains, and other objects, and explore their historical, aesthetic, and critical meanings.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS299Y1 - Research Opportunity Program****Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**EAS307H1 - Chinese Political Philosophy****Hours:** 24S

The course analyses the development of Chinese political philosophy from ancient times to the present day, focusing on Confucianism, Daoism, and Legalism and their relation to issues in political philosophy today.

Prerequisite: EAS105H1 and EAS241H1/ PHL237H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**EAS308H1 - East Asia Seen in Maps, Ancient and Modern****Hours:** 24L

Through the lens of important maps ancient and new, this course looks at the histories, cultural logic, and methods of visual representation in societies of East Asia. The maps include archaeological artifacts, ancient manuscripts, and printed renditions, spanning from early history to the nineteenth century.

Prerequisite: EAS105H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**EAS309H1 - Modern Chinese Prose****Hours:** 24S

A survey of representative works of prose written by 20th-century Chinese writers. This course focuses on reading texts, as well as analyzing their textual structures, aesthetic values, and historical contexts.

Prerequisite: EAS105H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

EAS311H1 - A History of Japanese Monsters**Hours:** 24L

This course examines the historical development of Japanese monsters, from roughly the 7th - 8th centuries to modern times. We focus on how the changing understanding of monsters in society has embodied certain fissures in Japanese culture, especially with regard to gender and class.

Prerequisite: EAS105H1**Recommended Preparation:** EAS209H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS315H1 - The "Yellow Peril": Past & Present****Hours:** 24L

Beginning with the Chinese Exclusion Acts, the Asian presence in North America has often been considered a serious social menace. This course explores the Asian/North American response to the past and present "Yellow Peril" constituted as a gendered, sexualized, classed, and racialized epistemological and affective structure of knowledge.

Prerequisite: EAS105H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**EAS312H1 - Art and Archaeology of Early China****Hours:** 36L

This course explores ancient societies from prehistory to the Bronze Age of China from archaeological perspectives with a focus on Chinese collections at the ROM. The course offers students an understanding of the origins and formation of Chinese civilizations.

Prerequisite: EAS105H1 and EAS209H1/ ANT100Y1/ ANT200Y1**Exclusion:** EAS411H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS324H1 - The Asia-Pacific in the Nuclear Age****Hours:** 24L

From the events such as the world's first use of the atoms for war, the Cold War nuclear arms race, the "Atoms for Peace" campaign, the worst nuclear accident in history, to the unfolding threat of nuclear proliferation, the twentieth century Asia-Pacific region has been profoundly shaped by the nuclear age. The course introduces the diverse cultural knowledge and social thoughts that have developed distinctly in the Asia-Pacific in response to the nuclear-related affairs. They include, for instance, the ideas and practices concerning the environment, the human, peace, visibility, security, coloniality, sustainability, etc.

Prerequisite: EAS105H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**EAS314H1 - Culture & World After Hiroshima & Nagasaki****Hours:** 24L

Exploration of literature, film, and other cultural production related to the atomic bombing and other nuclear catastrophes from transnational, inter-Asia, and transpacific perspectives. Primarily focuses on, but not necessarily limited to, the cultural texts, intellectual concepts, and social thoughts generated out of the history of Hiroshima and Nagasaki atomic destruction.

Prerequisite: EAS105H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**EAS327H1 - Japanese Fiction and the Nation****Hours:** 24L/4T

Explores modern Japanese literature, with special attention given to literature's relation to the nation. Students explore how literature transforms throughout Japanese modernity and how its meaning and effects function to simultaneously solidify and fracture national identity.

Prerequisite: EAS105H1 and at least one (0.5 credit) course in literature**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

EAS328H1 - Science, Technology and Society in Modern China

Hours: 24L

Learn to understand modern China from an understudied yet important perspective: the development of science and technology since the establishment of People's Republic in 1949. Science and technology have played crucial parts in China's political, economical, social, and cultural transformations. Drawing from anthropological, social, and historical studies of science, we examine, among other topics, science and nation-building, biopolitics, technocracy, and scientists' self-fashioning at the junction of Communist reign and global capitalism. Students also learn key concepts of science studies.

Prerequisite: EAS105H1/ CAS201H1

Distribution Requirements: Humanities; Science

Breadth Requirements: Society and its Institutions (3)

EAS334H1 - Chinese Novels

Hours: 24L

This course explores the development of Chinese fiction from earliest times with emphasis on the twentieth century.

Prerequisite: EAS105H1

Exclusion: EAS334Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS334Y1 - Chinese Novels

Hours: 48L

This course explores the development of Chinese fiction from earliest times with emphasis on the twentieth century.

Prerequisite: EAS105H1

Exclusion: EAS334H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS338H1 - Classical Daoism

Hours: 48L/24P

This course examines major issues of classical Daoist thought, such as Dao and cosmos, body and self, human nature, language and knowledge, and political visions. Based on both textual and ideological analysis of Daoist works such as the Laozi, the Zhuangzi, and Huanglao Daoist texts, to be updated with recently unearthed texts in silk and bamboo slips.

Prerequisite: EAS105H1 and PHL237H1/ EAS241H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

EAS340H1 - Topics in Chinese Society and Culture

Hours: 24L

This course explores issues of identity, self, and community in a broad exploration of cultural transformation in China.

Prerequisite: EAS105H1

Exclusion: EAS340Y1

Recommended Preparation: EAS103H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

EAS330H1 - Narrative Strategies in Modern Japanese Fiction

Hours: 24L

Discussion of narratives by modern Japanese authors with attention to issues in narratology and contemporary narrative studies such as: voice and perspective; gender and power relationships of the narrator-narratee-narrated; the act of narrating, writing, listening and reading; and metafictional paradox.

Prerequisite: EAS105H1 and EAS263H1/ EAS230H1/ EAS235H1/ EAS256H1/ EAS257H1/ EAS284H1/ EAS284Y1, or permission of the instructor.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS333H1 - Modernism and Colonial Korea

Hours: 24L

This course considers the problem of colonial modernism through a close reading of literary and cultural texts from early 20th-century Korea. It asks what it means to enter modernity under colonial rule, and questions the relationship between imperialism, writing, and subjectivity. Topics include the role of literature in elaborating new concepts of subjectivity, literature and the fine arts as assimilatory practices, the emergence of urban space and reconfiguration of notions of the rural, and changing notions of time and space in the cultural products of nativism. Readings of literary works will be accompanied by showings of paintings and photographs from the period, as well as discussions of theoretical essays on modernism.

Prerequisite: EAS105H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS340Y1 - Topics in Chinese Society and Culture

Hours: 48L

The course explores issues of identity, self, and community in a broad exploration of cultural transformation in China.

Prerequisite: EAS105H1

Exclusion: EAS340H1

Recommended Preparation: EAS103H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

EAS347H1 - Everyday Life in Modern Japan

Hours: 24L

The history of modern Japan as revealed by the problem of everyday life and its relationship to capitalism. Using a range of literary, philosophical, economic, and ethnographic materials that deal with the development of capitalism in Japan, Japanese colonialism, imperialism, and fascism, the course explores ways to specify and critique what is called everyday life.

Prerequisite: EAS105H1

Recommended Preparation: EAS247H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

EAS345Y1 - The Rise of Greater China: Issues & Topics

Previous Course Number: EAS345H1

Hours: 48L

This course looks at China from a regional perspective, with a focus on Taiwan, Hong Kong, and the Peoples Republic of China's economic integration. The role of Chinese communities globally and in Southeast Asia also receives attention.

Prerequisite: EAS105H1

Exclusion: EAS345H1

Recommended Preparation: One course on modern China or East Asia or equivalent

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

EAS348H1 - Gift, Plunder, and Exchange: Japan and World History

Hours: 24L

This course critically re-evaluates the history and historiography of Japanese capitalism, imperialism/colonialism, and world-empire through the lens of three, distinct "modes of exchange": gift, plunder, and commodity exchange. Inspired by Kojin Karatani's *The Structure of World History: From Modes of Production to Modes of Exchange* (2014), this course explores the emancipatory politics inherent in the critical analysis of modes of exchange, and takes up historical cases from Japan, Hokkaido, Okinawa, Taiwan, Korea, China, and the "Greater East Asian Co-Prosperity Sphere."

Prerequisite: EAS105H1/ EAS247H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

EAS346H1 - Self and Imagination in Premodern China

Hours: 24L

This course explores the diverse ways in which subjectivity was conceived in premodern China (up to the 12th century) by way of various images thinkers invoked to make sense of it. Works studied include: Warring States philosophical treatises; Buddhist and religious Daoist texts on meditation and self-cultivation; literary theory and poetry; philosophical prose essays by literati; and paintings.

Prerequisite: EAS105H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

EAS349H1 - Soundscapes and Modern China

Hours: 24L

An introduction to sound studies through the case of modern China. The class surveys basic theories of sound studies. It investigates the technological, cultural, and social production of soundscapes in modern China. Topics include the invention of national language(s), the introduction of gramophone, radio, and sound cinema, and the relationship between sound, aesthetics, and power.

Prerequisite: EAS105H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS350H1 - Ideology and Japan**Hours:** 24L

This course analyzes the problem of ideology in relation to the development of capitalism and imperialism in modern Japan. Among the topics analyzed in the course will be: the development of a national ideology in the transition to capitalism, the rise of "ultra-nationalism," the ideological battles between Communism and fascism, the ideological struggles surrounding the U.S. military occupation of Japan, and the question of national ideology in the postwar period.

Prerequisite: EAS105H1/ EAS247H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**EAS358Y1 - Classical Chinese I****Hours:** 48S

An introduction to the Classical Chinese language with emphasis on grammatical analysis and translation into English. Open only to EAS majors and specialists.

Prerequisite: EAS103H1, EAS100Y1/ EAS101Y1/ EAS200Y1**Recommended Preparation:** Two or more years of Modern Standard Chinese**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS361H1 - Zen Buddhism****Hours:** 24L

This course introduces the Zen Buddhist traditions of China, Korea, and Japan. Emphasis is placed on the radical views of history, language, ritual, self, and enlightenment espoused by these traditions. The course also examines issues related to Zen monasticism, the development of koans, and the definition of orthodoxy in both premodern and modern Zen. Students will be asked to explore these and other topics by paying close attention to the historical, doctrinal, and institutional contexts from which they arose.

Prerequisite: EAS105H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**EAS362Y1 - Classical Japanese****Hours:** 48S

Introduction to classical Japanese, followed by readings of various short works by classical authors.

Prerequisite: EAS220Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS363H1 - Classical Japanese Part I****Hours:** 24S

Introduction to classical Japanese, followed by readings of various short works by classical authors. Covers first half of EAS362Y1.

Prerequisite: EAS220Y1**Exclusion:** EAS362Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS354H1 - Body, Movement, Japan****Hours:** 24L

This course will explore theories and practices of the body and movement in Japan by way of a series of associated territories: From the 17th century walking poetry of Basho to various political resistance movements of the 1960s, from the revolutionary dance experiments of Min Tanaka to Buddhist inspired philosophies of Body-Mind and physics inspired theories of movement by Japanese scientists to the movement of information, people, and capital at the contemporary moment.

Prerequisite: EAS105H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS357H1 - Mao's China and Beyond****Hours:** 24L

This course introduces major issues and events in contemporary Chinese history from the success of the Communist revolution in 1949 to China's postsocialist transitions in the 1980s and early 1990s. Topics include the development and victory of the Chinese Communist revolution, the rule and legacy of Mao Zedong (particularly the Hundred Flowers movement, the Great Leap Forward, and the Cultural Revolution), and economic reform and political repression in the era of Deng Xiaoping.

Prerequisite: EAS105H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)

EAS364H1 - China's Cultural Revolution: History and Memory

Hours: 24L

No understanding of contemporary China is possible without understanding the ramifications of the Great Proletarian Cultural Revolution (1966–1976). This course considers this tumultuous episode as a field of historical research and conceptual inquiry. This course critically examines a wide variety of sources, including scholarly accounts, official documents, personal memoirs, oral histories, and literary works.

Prerequisite: EAS105H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

EAS370H1 - Media, Cultural Citizenship, and the Korean Diaspora

Hours: 24L

This course explores how cultural and ethnic identity in diaspora is constructed in media texts, and how the politics of national identity target various publics. We will examine the work of particular filmmakers, diasporic Korean celebrities in Korea, and digital platforms for producing public visibility, such as YouTube.

Prerequisite: EAS105H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS365H1 - Classical Japanese Part II

Hours: 24S

Introduction to classical Japanese, followed by readings of various short works by classical authors. Covers the second half of EAS362Y1. Students must seek permission of the instructor to be placed in the course.

Prerequisite: EAS363H1, EAS220Y1

Exclusion: EAS362Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS372H1 - The Postwar, Cold War and Divided Koreas

Hours: 24L

This research-oriented course examines the divided history of the Korean peninsula since 1945 in the context of the global war. Examines key debates in the history of contemporary Korea, beginning with the Korean war and ending with the contemporary culture of division.

Prerequisite: EAS105H1

Exclusion: EAS372Y1

Recommended Preparation: EAS271H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

EAS366H1 - Lovers and Madmen in Chinese Literature

Hours: 24L

A thematic introduction to some of China's major literary texts by taking as our guide the lover and the madman as both writer and subject. We use the idea of lover and madman to explore issues such as social and behavioral boundaries, desire, violence, narrative compulsion, and the re-imagination of tradition.

Prerequisite: EAS105H1

Recommended Preparation: EAS209H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS372Y1 - The Postwar, Cold War and Divided Koreas

Hours: 48L

This research-oriented course examines the divided history of the Korean peninsula since 1945 in the context of the global war. Examines key debates in the history of contemporary Korea, beginning with the Korean war and ending with the contemporary culture of division.

Prerequisite: EAS105H1

Exclusion: EAS372H1

Recommended Preparation: EAS271H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

EAS374H1 - Modern Japan and Colonialism**Hours:** 24L

This course interrogates the history of modern Japan from the perspective of Japan's colonial exploits in East Asia. The course also addresses the political economy and culture of the military occupation of Japan by the Supreme Command of the Allied Powers. Texts from economics, philosophy, and literature will be used.

Prerequisite: EAS105H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**EAS375H1 - Postwar Japan: Crisis, Apocalypse****Hours:** 24L

This course explores the history of the postwar period in Japan and its former colonies in order to delineate a way to think of the idea of apocalypse in relation to crisis in advanced capitalism. Through an examination of the history of capitalist crisis in postwar Japan, the course investigates themes of apocalypse in atomic-bomb literature, television, Godzilla, radical students movements, ecological-industrial disasters, worker art movements, debates on modernity and fascism, avant-garde theatre, popular music, religious movements, nationalism, populism, and the so-called "ageing population" problem. The course revolves around texts by philosophers, economists, novelists, essayists, artists, and critics, as well as film and audio recordings.

Prerequisite: EAS105H1**Exclusion:** EAS347H1, EAS374H1**Recommended Preparation:** EAS247H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**EAS378H1 - Urban Life in Early Modern Japan****Hours:** 24L

An exploration of most important cities of Tokugawa Japan, which were among the largest of the early modern world, and home to vibrant urban culture and economic activity. The texts include buildings, maps, paintings, prints, film and novels.

Prerequisite: EAS105H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**EAS380H1 - Writing Women in Premodern China****Hours:** 24L

A survey of premodern Chinese texts (before 1700) in translation, written by women, about women, and in the voices of women, across a variety of genres drawn from literature, history, philosophy, and religion. The texts provide opportunities to explore how gender was constructed in Chinese societies, how women were defined and constrained by texts, and how women used writing to express themselves, often in resistance to dominant modes of representation.

Prerequisite: EAS105H1**Recommended Preparation:** EAS209H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS384H1 - Medieval Japan****Hours:** 24L

In popular culture medieval Japan often figures as an era of unremitting warfare, in which only samurai mattered. This course offers more balanced view of what many historians regard as the most volatile, yet also most creative, era in Japanese history. The course examines the era from 1100-1500 with an eye to understanding the place of warriors, but also to explaining the incredible cultural advances of the period, which gave rise to many of the arts for which Japanese culture is renowned.

Prerequisite: EAS103H1/ EAS105H1**Recommended Preparation:** EAS245H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**EAS386H1 - Culture of Nature in China****Hours:** 24L

The course examines the cultural practice of nature in China's past and present, focusing on literary, artistic, spiritual, ethical, political, and scientific aspects of human-nature relation. Through scholarly works and primary sources, the course inquires into the cultural politics of human-nature entanglements.

Prerequisite: EAS105H1**Exclusion:** EAS386Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)

EAS388H1 - Asian/North American Feminist Issues

Hours: 24L

A transpacific examination of gender and sexuality issues that have directly and indirectly affected Asians and Asian North Americans. Considers, for example, the gender and sexual representations of Asia in North America, the psycho-history of the "Yellow Peril" and its ramifications beyond Asian North Americans, and the history of immigration, nationalism, colonialism, war, and the militarized empire.

Prerequisite: EAS105H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

EAS393H1 - Topics in Buddhism

Hours: 24L

Topics vary according to the instructor's interests.

Prerequisite: EAS105H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

EAS393Y1 - Topics in Buddhism

Hours: 48L

Topics vary according to the instructor's interests.

Prerequisite: EAS105H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

EAS394H1 - Film Culture in Contemporary China

Hours: 36L

This course discusses documentary film and DV culture in contemporary China as forms of cultural, communal, and political practices. We focus on films and videos that seek to address important global issues such as peace, environment, and climate change in cross-media approach and in personal tone. We ask: What new tendencies are there in the films and videos? Where can we trace them back to? What fresh possibilities do they bring forth to our aesthetic and public life?

Prerequisite: EAS105H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS395Y0 - Selected Topics in East Asian Studies

Hours: TBA

This course allows students to pursue the specialized study of topics tailored to the research and study opportunities available in Hong Kong and the expertise and interests of the instructor. Available only in the Woodsworth College Hong Kong Summer Program.

Prerequisite: EAS105H1

Distribution Requirements: Humanities

EAS396H1 - Topics in East Asian Studies

Hours: 24L

An in-depth study of Chinese, Japanese or Korean culture, history and/or literature. Content depends on the instructor. See EAS website for details. When offered, the course will have a subtitle that describes its content.

Prerequisite: EAS105H1

Distribution Requirements: Humanities

EAS397H1 - Literary Lives in Late Imperial China

Hours: 24L

In-depth examination of five to six selected men and women through close reading of their literary repertoire and through biography and autobiography. The material will introduce concepts such as memory, literati identity, aesthetic theories, gender, and social transformations in the Ming and Qing period.

Prerequisite: EAS105H1

Recommended Preparation: EAS209H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS398H0 - Research Excursions

Hours: TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Prerequisite: EAS105H1

Distribution Requirements: Humanities

EAS406Y1 - Thinking about Things: Material Culture in East Asia

Hours: 48S

This seminar explores theories of the object, the histories of objects in East Asia, and critical thinking about the process of research. Through theoretical readings, class, and individual research projects, the seminar asks how to formulate research questions, use the internet and other resources, and present discoveries in a class conference.

Prerequisite: EAS209H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS409H1 - Cities in Premodern China

Hours: 24S

Focusing on selected Chinese cities from the earliest history to 1800 CE, this course introduces students to different aspects of urban life and its representations in literature and history.

Prerequisite: EAS209H1

Exclusion: EAS367H1

Recommended Preparation: Some familiarity with Chinese history in the middle period

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS407H1 - Textual Analysis of Classical Chinese Philosophy

Hours: 24S

Readings from ancient and medieval Chinese philosophy. Beginning with linguistic (especially semantic) analysis of key words, structure and meaning of sentences, paragraphs, and texts as a whole, which forms the basis for philosophical examination.

Prerequisite: EAS209H1 and PHL237H1/ EAS241H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

EAS412H1 - Technology and Material Cultures of Ancient China

Hours: 24P

This course introduces the technology and material culture of prehistoric and Bronze-Age China. Offers students an understanding of the development of ancient technologies (e.g. bronze, jade, and lacquer) and associated ways of life from archaeological perspectives.

Prerequisite: EAS209H1 and EAS312H1/ EAS411H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

EAS408H1 - Modern Taiwanese Literature

Hours: 24S

A general survey of modern Taiwanese literature from 1949 to the present. It examines issues central to understanding the Taiwanese literary culture, such as historical/cultural context, oral/written language, self-identification, gender, and human rights.

Prerequisite: EAS209H1 and 2.0 FCEs in literature

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS413H1 - Medieval Chinese Civilization

Hours: 24S

This course explores the intellectual culture of the Six Dynasties in China (3rd through 6th centuries CE), a period in which many new forms of thought and expression flourished. Texts include historical anecdotes, Buddhist and Daoist scriptures, self-cultivation manuals, philosophical exegeses, and treatises on music, art, and poetics.

Prerequisite: EAS209H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS414H1 - Bodily/Mental Health in Chinese Philosophy

Hours: 24S

Textual and conceptual analysis of theories and practices related to physical health and mental sanity in Chinese philosophical schools such as Confucianism, Daoism, and Chinese Mahayana Buddhism.

Prerequisite: EAS209H1 and EAS241H1/ PHL237H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS419H1 - Chinese Cultural Studies Seminar: May Fourth

Hours: 24L

This seminar focuses on the May Fourth Movement in early twentieth century China. Taking May Fourth as a case study and a vantage point, this class enables a critical understanding of various aspects of the cultural and intellectual life in the early Republican period.

Prerequisite: EAS209H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS417H1 - Korean Literary Translation Workshop

Hours: 24L

A workshop format is used to explore problems encountered when translating Korean literary texts (fiction and poetry) into English. Practice with a variety of texts is accompanied by readings in translation theory to refine our understanding of translation and enrich our experience working with historical forms of Korean and English.

Prerequisite: EAS209H1 and EAS310Y1 or its equivalent

Recommended Preparation: EAS410Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS420H1 - Travels, Travelers, and Travel Accounts in Asia

Hours: 24S

This seminar focuses on the circulation of people, words, and ideas throughout Asia before 1900, as we try to understand the worlds travelers both sought and encountered. Texts include travel diaries and geographical narratives.

Prerequisite: EAS209H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

EAS418H1 - Topics in Chinese Art Theories

Hours: 24S

This course focuses on theories of Chinese arts by critically analyzing various theoretical texts and treatises on music, painting, calligraphy, and literature as recorded in the Classics.

Prerequisite: EAS209H1

Recommended Preparation: Knowledge of Chinese language

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS422H1 - Warring States Philosophy and Its Contexts

Hours: 24L

This course examines the emergence of philosophy in the Warring States period (4th and 3rd centuries BCE) as part of a broader intellectual landscape that considers developments in medical conceptions of the body, theories of the natural world, artistic thought and practice, and the social/political order.

Prerequisite: EAS209H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

EAS431H1 - Advanced Topics in Japanese Cinema

Hours: 24S

The focus ranges from the examination of cross-cultural theoretical problems (such as Orientalism) to a director-based focus, from the examination of genre (such as documentary or the category of genre itself) to the way film intersects with other cultural forms and technologies (such as video and new media).

Prerequisite: EAS209H1 and EAS242H1/ EAS243H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS439H1 - The Global Bildungsroman: Narratives of Development, Time, and Colonialism

Hours: 24S

This course studies Bildungsroman, the story of an individual's coming of age, in the context of twentieth-century political, cultural, and social developments of imperialism, anti-colonialism, human rights discourse, and globalization. Our focus will be novels from the (post)colonial world and theoretical essays on the Bildungsroman form. The course aims to provide a model for rethinking literary history and genres within a global context. Authors may include Yi Kwangsu, Wu Zhouliu, Pramoedya Ananta Toer, Kang Younghill, Tsitsi Dangarembga, Camara Laye, amongst others.

Prerequisite: EAS209H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS432H1 - Korean Cultural Studies Seminar

Hours: 24S

This seminar provides an opportunity for in-depth reading and research into a specific topic in the cultural and intellectual history of Korea. Topics will vary each semester but may include colonial period print culture, the New Woman, the history of photography, and modernism.

Prerequisite: EAS209H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS444H1 - The City, Body and Text in Modern Japanese Literature

Hours: 24S

This course examines how the city and body exert formative forces on the text, and how the practice of writing and reading texts informs the ways we, as corporeal beings, experience the city as manifested in the 20th-century Japanese literature.

Prerequisite: EAS105H1 and EAS263H1/ EAS230H1/ EAS235H1/ EAS256H1/ EAS257H1/ EAS284H1/ EAS284Y1/ EAS309H1/ EAS327H1/ EAS334H1/ EAS334Y1/ EAS366H1/ EAS380H1/ EAS397H1, or permission of the instructor.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS438H1 - Architecture in Premodern China

Hours: 24S

Survey of China's architecture from the Song dynasty. Subjects include design (including fengshui); role of architects and craftsmen; building techniques and materials; and logistics and financing of building projects. This seminar is based on readings of primary texts (*Yingzao fashi*, *Lu Ban jing*, geomantic treatises) and visits to the Royal Ontario Museum.

Prerequisite: EAS209H1

Recommended Preparation: Knowledge of Chinese language

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS446H1 - The Communist Hypothesis and Asia

Hours: 24L

In recent years, the basic hypotheses of Communism have begun to be thought anew, precisely because of the demise of the Soviet Union and the rise of capitalism in communist regimes (i.e., China). Taking up recent writings by Alain Badiou, Jodi Dean, Gavin Walker, Fred Jameson and a host of other contemporary thinkers, this course asks again: what is the communist hypothesis in today's Asia and how can it help us to imagine a different Asia?

Prerequisite: EAS209H1, EAS247H1/ EAS248H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

EAS447H1 - Sound Studies and Modern Japan

Hours: 24S

This seminar explores the growing field of sound studies with particular attention given to auditory histories and cultures in modern Japan and the prewar Japanese empire in East Asia. We study the interrelationships between industrialization, mass culture, colonialism, and techniques and processes of reproducing sound in order to specify the status of acoustic and sonic mediation in everyday life in a capitalist commodity economy.

Prerequisite: EAS209H1 and EAS247H1/ EAS347H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS448H1 - East Asian Studies Archive: Language, Number, Money

Hours: 24S

This course investigates salient problems of the historical archive in relation to the experience of modernity in East Asian societies. What is the meaning of the modern archive in East Asia? How is the knowledge of the modern archive produced in relation to the production of quantitative knowledge (e.g., in demographic or economic statistics)? How should we approach the relationship between number and language? How is this knowledge transformed into state knowledge as well as into what we call common sense?

Prerequisite: EAS209H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

EAS449H1 - Future, Architecture, Japan

Hours: 24L

Examination of how the future is imagined and materialized in architectural theory and practice throughout Japanese history. From classical temples to modernist experiments of the Metabolist movement to contemporary works by Isozaki Arata and Atelier Bow Wow, we study built and unbuilt structures as theories of the future.

Prerequisite: EAS209H1/ ARC221H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS454H1 - Special Topics in Modern Chinese History

Hours: 24S

A selective survey of major historiographical problems and debates in the fields of late 19th and 20th century Chinese history. Course readings will include both theoretical and historical materials.

Prerequisite: EAS209H1

Recommended Preparation: EAS209H1, HIS280Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

EAS455H1 - Classical Confucianism

Hours: 24S

This course explores the historical and systematic aspects of classical Confucianism, which is fundamental for understanding Chinese philosophy and culture. The historical part discusses the development of the Confucian doctrine from Confucius to his generations of disciples. The systematic part engages issues such as emotion, art, poetry, morality and virtues, political philosophy, and knowledge and reality.

Prerequisite: EAS209H1 and EAS241H1/ PHL237H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

EAS456H1 - Japan as seen by ?: Reference, Apparatus, Operation

Hours: 24S

The course discusses how images of Japan, charged with varied degrees of desire for empirical knowledge, have contributed to contemporary novels and plays by David Mitchell, Ruth L. Ozeki, David Mamet, Joy Kogawa, Kazuo Ishiguro, Marguerite Duras, and David Hwang.

Prerequisite: EAS209H1, or permission of the instructor.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS457H1 - Special Topics in Modern Japanese History

Hours: 24S

An analysis of contemporary monographs on modern Japanese history. This course offers a critical survey of existing methodologies of and approaches to writing about modern Japan.

Prerequisite: EAS209H1 and EAS247H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

EAS466H1 - History, Everyday Life, and North Korea

Hours: 36S

This essay-driven course explores the complexity of examining North Korean history by using comparative methods developed through the study of other socialist societies and theories of everyday life.

Prerequisite: EAS209H1, EAS271H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

EAS458H1 - Classical Chinese II

Previous Course Number: EAS306Y1

Hours: 24S

As a continuation of EAS358Y1 (formerly EAS206Y1), this course helps students to gain in-depth control of grammatical structures of classical Chinese and to read texts with greater ease. Requirements include a major research/translation project. Open only to EAS majors and specialists.

Prerequisite: EAS358Y1 (minimum 79%)

Exclusion: EAS306Y1, EAS335Y1

Recommended Preparation: Three or more years of Modern Standard Chinese

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS467H1 - Photographic Narratives of Japan

Hours: 24S

Uses seminal theoretical literature, photo roman (by, e.g., Abe, Nakagami) and narratives about photography (by, e.g., Tanizaki, Mishima, Kanai) to examine the rhetorical complicity and coercion of the two modes of representation which emerged in the modern and nationalistic age, and persist, in the wake of the newer media, as dominant registers of everyday life and departures from there.

Prerequisite: EAS209H1 & at least one course in humanities (literature, art history, philosophy) or reading proficiency in Japanese

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS459Y1 - Rethinking the Cold War in East Asia

Hours: 48S

This research course examines the ways our historical understanding of the Cold War in East Asia has shifted over the last twenty years. Focusing primarily on the divided Korean peninsula where it can be said the Cold War still rages, the course examines the mutual constitution of two competing regional political economies rooted in a shared commitment to developmentalism.

Prerequisite: EAS209H1 and EAS271H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

EAS468H1 - Democratic Struggles in Korea

Hours: 24S

This seminar examines resistance, struggles, strikes and movements seen as constituting a troubled history of democracy across Korea's long 20th century.

Prerequisite: EAS209H1, EAS271H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

EAS471H1 - Issues in the Political Economy of South Korea

Hours: 24S

A course designed to guide students toward a research paper on a selected topic of interest on the postwar political economy of South Korea.

Prerequisite: EAS209H1 and EAS271H1

Exclusion: EAS471Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

EAS475Y1 - Issues in East Asian Historiography

Hours: 48L

This course analyses select topics in the historiography of East Asian. Students are expected to write a major research paper.

Prerequisite: EAS209H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

EAS471Y1 - Issues in the Political Economy of South Korea

Hours: 48S

A course designed to guide students toward a research paper on a selected topic of interest on the postwar political economy of South Korea.

Prerequisite: EAS209H1 and EAS271H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

EAS477H1 - Samurai Culture

Hours: 24S

An intensive seminar exploring one of Japan's most recognizable figures, the samurai. This course investigates the historical reality of warrior life along with the legends, with focus on the ways in the warrior's world found expression in religion, art, and literature.

Prerequisite: EAS209H1, EAS245H1/ EAS246H1/ EAS247H1

Exclusion: EAS478Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

EAS473H1 - Modern Korean History Seminar

Hours: 24S

An examination of recent literature in the modern Korean history field, focusing especially on the late 19th and 20th centuries.

Prerequisite: EAS209H1 and EAS271H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

EAS478Y1 - Samurai Culture

Hours: 48S

An intensive seminar exploring one of Japan's most recognizable figures, the samurai. This course investigates the historical reality of warrior life along with the legends, with focus on the ways in the warrior's world found expression in religion, art, and literature.

Prerequisite: EAS209H1, EAS245H1/ EAS246H1/ EAS247H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

EAS474H1 - U.S. and Canada's Wars in Asia

Hours: 24S

This course examines the cultural and social legacies of the 19th- and 20th-century hot and cold wars fought by the U.S. and Canada in different parts of Asia. It explores film, literature, and other cultural products that came out of the transpacific violence and its aftermath.

Prerequisite: EAS209H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS479H1 - Ecocriticism

Hours: 24L

The course aims to establish students' ability to engage with core ecological agendas with methodology of cultural history and literary and visual analysis.

Prerequisite: EAS209H1

Recommended Preparation: At least one 300-level EAS course

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

EAS484Y1 - The Japanese Empire**Hours:** 48S

This course surveys historical literature on the Japanese Empire. A reading and writing course intended for EAS majors and specialists.

Prerequisite: EAS209H1**Recommended Preparation:** Courses in modern East Asian history.**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**EAS489H1 - Advanced Topics in Asian Media Studies****Hours:** 24S

Topics include: histories of media infrastructures, material culture, geopolitics of colonialism, imperialism, and regionalism, institutional histories of media production, analyses of popular and industrial media practices, questions of interface, platforms, circulation, and reception, and the constitutive role of media in shaping notions of modernity, publicity, and politics.

Prerequisite: EAS209H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS486H1 - Readings in Mahāyāna Sūtra Literature****Hours:** 24S

This seminar explores the key literary, doctrinal and ritual innovations of the Mahāyāna Buddhist tradition as it unfolded in the first few centuries of the Common Era. The semester will begin with a consideration of the origins of the Mahāyāna in early India, and end in medieval Mahāyāna communities of East Asia and Tibet. Along the way we will conduct close readings of several important Mahāyāna works (sūtras, commentaries, ritual manuals) in order to explore key elements in the development of the Great Vehicle as it was transmitted and transformed across Buddhist Asia.

Prerequisite: EAS209H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**EAS495Y1 - Advanced Topics in East Asian Studies****Hours:** 48S

An in-depth study of Chinese, Japanese or Korean culture, history and/or literature. Content depends on the instructor.

Prerequisite: EAS209H1**Distribution Requirements:** Humanities**EAS488H1 - Fandom, Transmedia, and the Korean Wave****Hours:** 24S

This course investigates the transmedia forms and reception contexts of what is now known as hallyu or "the Korean wave." Topics include fan subjectivity and the "global popular," across a broad array of texts, including music, feature films, television dramas, fan blogs, and internet video. This seminar considers how popular media shape collective identity, and explores the connections between activism, mass media, commodity culture, and their corresponding affective registers, bridging fan studies, media studies, and contemporary Korean cultural studies.

Prerequisite: EAS209H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS496H1 - Advanced Topics in East Asian Studies****Hours:** 24S

An in-depth study of Chinese, Japanese or Korean culture, history and/or literature. Content depends on the instructor.

Prerequisite: EAS209H1**Distribution Requirements:** Humanities

EAS497H1 - Beyond Orientalism**Hours:** 24S

This course confronts the Orientalist view of the world by looking at one Asian nation regularly exempted from that paradigm: Japan. By examining, among other topics, Japan's emperor system, its construction of a national history, and its own imperialism, this course hopes to point toward alternative ways of thinking about East and West.

Prerequisite: EAS209H1**Recommended Preparation:** Five EAS half courses**Distribution Requirements:** Humanities**Independent Studies****EAS398Y0 - Research Excursions****Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Prerequisite: EAS105H1**Distribution Requirements:** Humanities**EAS399Y1 - Research Opportunity Program****Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

EAS434H1 - Independent Studies**Hours:** TBA

A scholarly project chosen by the student, approved by the Department, and supervised by one of its instructors. Consult the website (eas.utoronto.ca) for more information. Not eligible for CR/NCR option.

Prerequisite: 5.0 EAS credits, including EAS209H1**Distribution Requirements:** Humanities**EAS435H1 - Independent Studies****Hours:** TBA

A scholarly project chosen by the student, approved by the Department, and supervised by one of its instructors. Consult the website (eas.utoronto.ca) for more information. Not eligible for CR/NCR option.

Prerequisite: 5.0 EAS credits, including EAS209H1**Distribution Requirements:** Humanities**EAS436Y1 - Independent Studies****Hours:** TBA

A scholarly project chosen by the student, approved by the Department, and supervised by one of its instructors. Consult the website (eas.utoronto.ca) for more information. Not eligible for CR/NCR option.

Prerequisite: 5.0 EAS credits, including EAS209H1**Distribution Requirements:** Humanities**Chinese****EAS100Y1 - Modern Standard Chinese I****Hours:** 52T/52S

Intended for students with no background in Mandarin or any Chinese dialect, this course provides an introduction to modern standard Chinese as a foreign/second language. The course consists of mandatory lectures and tutorials. Students study a minimum of 550 Chinese characters. Students must go through screening process conducted by the Department. See www.eas.utoronto.ca/languages/chinese for details.

Exclusion: EAS101Y1, LGGA60H3, LGGA61H3, LGGB60H3, LGGB61H3, CHI100Y5, CHI101H5**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

EAS101Y1 - Modern Chinese I for Students with Prior Background

Hours: 26T/52S

This course is designed for students who understand elementary Mandarin or any Chinese dialect because of their cultural or family backgrounds. The course consists of mandatory lectures and tutorials. Students will learn a minimum of 650 characters. Students must go through placement process conducted by the Department. See www.eas.utoronto.ca/languages/chinese for details.

Exclusion: EAS100Y1, EAS200Y1, LGGA60H3, LGGA61H3, LGGB60H3, LGGB61H3, CHI100Y5, CHI101H5, CHI200Y5, CHI201Y5

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS300Y1 - Modern Standard Chinese III

Hours: 104S

This high intermediate-level course is a continuation of EAS200Y. Students learn to read short texts which deal with personal or social topics, compose paragraph-length essays, and converse in social situations which require exchanges of basic information. Students who do not meet the prerequisite must go through placement process conducted by the Department. See www.eas.utoronto.ca/languages/chinese for details.

Prerequisite: EAS200Y1 (EAS200Y1 (minimum 70%)/ EAS201Y1 or EAS201H1 (minimum 70%)/equivalent as determined by placement process.

Exclusion: EAS290Y1, LGGC60H3, LGGC61H3, LGGC62H3, LGGC63H3, CHI301Y5, CHI310Y5, CHI311Y5

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS200Y1 - Modern Standard Chinese II

Hours: 52T/52S

This course is a continuation of EAS100Y1. Students learn major grammatical structures which are not introduced in the first year and expand their vocabulary. Students who do not meet the prerequisite must go through a placement process conducted by the Department. See www.eas.utoronto.ca/languages/chinese for details.

Prerequisite: EAS100Y1 (minimum grade 67%)/equivalent as determined by placement process.

Exclusion: EAS101Y1, EAS201H1, LGGB60H3, LGGB61H3, CHI200Y5, CHI201Y5

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS401H1 - Modern Standard Chinese IVa

Hours: 52S

This course aims to develop students' abilities at an advanced level, with a focus on reading of fictional and/or journalistic writings. Students will improve their reading comprehension, strengthen writing skills, and advance speaking and listening skills through class discussions and oral presentations. Students who do not meet the prerequisite must go through placement process conducted by the Department. See www.eas.utoronto.ca/languages/chinese for details.

Prerequisite: EAS300Y1 (minimum 73%)/ EAS402H1 (minimum 73%)/equivalent as determined by placement process

Exclusion: EAS290Y1, EAS400Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS201H1 - Modern Chinese II for Students with Prior Background

Previous Course Number: EAS201Y1

Hours: 26T/52S

This course is a continuation of EAS101Y1. It focuses on development of students' listening, speaking, reading, and writing skills at a low intermediate level. Students who do not meet the prerequisite must go through placement process conducted by the Department. See www.eas.utoronto.ca/languages/chinese for details.

Prerequisite: EAS101Y1 (minimum 67%)/equivalent as determined by placement process.

Exclusion: EAS200Y1, EAS201Y1, EAS290Y1, LGGB60H3, LGGB61H3, CHI200Y5, CHI201Y5

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS402H1 - Modern Standard Chinese IVb

Hours: 52S

This course aims to develop students' language abilities at an advanced level, with a focus on reading argumentative-style essays and news. Students will improve their reading comprehension, strengthen writing skills, and advance speaking and listening skills through class discussions and oral presentations. Students who do not meet the prerequisite must go through placement process conducted by the Department. See www.eas.utoronto.ca/languages/chinese for details.

Prerequisite: EAS300Y1 (minimum 73%)/ EAS401H1 (minimum 73%)/equivalent as determined by placement process

Exclusion: EAS290Y1, EAS400Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Japanese

EAS120Y1 - Modern Standard Japanese I

Hours: 48L/72T

This course is for students with no or a very limited background in Japanese. Students must go through screening process conducted by the Department. See www.eas.utoronto.ca/languages/japanese/ for details. Not eligible for CR/NCR option.

Exclusion: EAS121H1, EAS122Y0, LGGA80H3, LGGA81H3

Recommended Preparation: Learning the Japanese alphabets (hiragana & katakana)

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS220Y1 - Modern Standard Japanese II

Hours: 72L/48T

This is an advanced beginner level language course for those who completed EAS120Y1 or EAS121H1 with a minimum grade of 67%. Students who do not meet the prerequisite must go through placement process conducted by the Department. See www.eas.utoronto.ca/languages/japanese/ for details.

Prerequisite: EAS120Y1/ EAS121H1 (minimum 67%)/equivalent as determined by placement process

Exclusion: EAS223Y0

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS221H1 - Modern Standard Japanese II for Students with Prior Background

Hours: 24L/36T

This course is equivalent to the second half of EAS120Y1. Designed for those who have a good foundation of lower beginners' grammar, vocabulary, and kanji knowledge and have not yet acquired the proficiency required to take EAS320Y1. Students must go through placement process conducted by the Department. See www.eas.utoronto.ca/languages/japanese/ for details.

Prerequisite: Placement process

Exclusion: EAS220Y1/EAS223Y0

Recommended Preparation: The first half of the content covered in EAS220Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS222Y0 - Summer Japanese in Japan I

Hours: TBA

This course is available in the Summer Abroad Program for students with no or a very limited background in Japanese. Those who have successfully completed this course may be able to take EAS121H1 or EAS220Y1 based on the result of a placement test. See <http://summerabroad.utoronto.ca/programs/japan/> for details.

Prerequisite: Passing the placement test at ICU

Exclusion: EAS120Y1

Recommended Preparation: Learning the Japanese alphabets (hiragana & katakana)

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Prerequisite: Passing the placement test at ICU

Exclusion: EAS120Y1, EAS121H1

Recommended Preparation: Two-thirds of the content covered in EAS120Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS223Y0 - Summer Japanese in Japan IIb**Hours:** TBA

This course is available in the Summer Abroad Program for students who have completed EAS120Y1 or EAS121H1 or equivalent. Those who have successfully completed this course may be able to take EAS320Y1 based on the result of a placement test. See <http://summerabroad.utoronto.ca/programs/japan/> for details.

Prerequisite: Passing the placement test at ICU**Exclusion:** EAS220Y1**Recommended Preparation:** One-third of the content covered in EAS220Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS322Y0 - Summer Japanese in Japan IIIb****Hours:** TBA

This is a lower intermediate Japanese course available in the Summer Abroad program. Those who successfully complete this course may be able to take EAS460H1 or EAS461H1 based on the result of the placement test and/or interview. See <http://summerabroad.utoronto.ca/programs/japan/> for details.

Prerequisite: Passing the placement test at ICU**Exclusion:** EAS320Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS320Y1 - Modern Standard Japanese III****Hours:** 120S

This is a lower intermediate level course for those who have completed EAS220Y1 with a minimum grade of 70%. Students who do not meet the prerequisite must go through placement process conducted by the Department. See www.eas.utoronto.ca/languages/japanese/ for details.

Prerequisite: EAS220Y1 (70% minimum)/equivalent as determined by placement process**Exclusion:** EAS348H1, EAS349H1, EAS322Y0**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS460H1 - Modern Standard Japanese IVa****Hours:** 48S

This is a high intermediate level Japanese course that focuses on oral/aural communication. Native or near-native speakers are not permitted to take this course. Students who do not meet the prerequisite must go through placement process conducted by the Department. See www.eas.utoronto.ca/languages/japanese/ for details.

Prerequisite: EAS320Y1 (70% minimum)/equivalent as determined by placement process**Exclusion:** EAS460Y1, EAS463Y0**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS321Y0 - Summer Japanese in Japan IIIa****Hours:** TBA

This is a lower intermediate Japanese course available in the Summer Abroad for students who have completed EAS220Y1 or equivalent. Those who have successfully completed this course may be able to take EAS320Y1, EAS460H1, or EAS461H1 based on the result of a placement test; for EAS460H1 an interview will also be required. See <http://summerabroad.utoronto.ca/programs/japan/> for details.

Prerequisite: Passing the placement test at ICU**Recommended Preparation:** Material covered in EAS220Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS461H1 - Modern Standard Japanese IVb****Hours:** 48S

This is a high intermediate level Japanese course that focuses on reading and writing skills. Native or near-native speakers are not permitted to take this course. Students who do not meet the prerequisite must go through placement process conducted by the Department. See www.eas.utoronto.ca/languages/japanese/ for details.

Prerequisite: EAS320Y1 (70% minimum)/equivalent as determined by placement process**Exclusion:** EAS461Y1, EAS463Y0**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

EAS462Y0 - Summer Japanese in Japan IVa**Hours:** TBA

This is an upper intermediate level Japanese course available only in the Summer Abroad Program. Those who have successfully completed this course may be eligible to take EAS460H1 and/or EAS461H1 depending on the result of a placement test; for EAS460H1 an interview will also be required. See <http://summerabroad.utoronto.ca/programs/japan/> for details.

Prerequisite: Passing the placement test at ICU**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS463Y0 - Summer Japanese in Japan IVb****Hours:** TBA

This is an advanced Japanese course available only in the Summer Abroad Program for those who have completed a course equivalent to EAS460H1 or EAS461H1. See <http://summerabroad.utoronto.ca/programs/japan/> for details.

Prerequisite: Passing the placement test at ICU**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS464Y0 - Summer Japanese in Japan IV-c****Hours:** TBA

This is an advanced Japanese course available in the Summer Abroad Program for those who have completed EAS460H1 or EAS461H1 or equivalent. See <http://summerabroad.utoronto.ca/programs/japan/> for details.

Prerequisite: Passing the placement test at ICU**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**Korean****EAS110Y1 - Modern Standard Korean I****Hours:** 48T/48S

This course is designed to help students build communication skills in the Korean language. Through an integration of listening, speaking, reading and writing, it aims to provide a solid foundation in beginning-level Korean. This course assumes that students do not have any prior knowledge of Korean. Students must go through screening process conducted by the Department. See www.eas.utoronto.ca/languages/korean for details. Not eligible for CR/NCR option.

Exclusion: EAS211Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS210Y1 - Modern Standard Korean II****Hours:** 48T/48S

As a continuation of EAS110Y1, this course is designed to help students improve their skills in the Korean language. Students in this course are expected to perform basic communicative functions, read and write paragraph-level texts, and conjugate verbs/adjectives accurately. Students who do not meet the prerequisite must go through placement process conducted by the Department. See www.eas.utoronto.ca/languages/korean for details.

Prerequisite: EAS110Y1 (63% minimum)/equivalent as determined by the Korean placement interview**Exclusion:** EAS211Y1, EAS212H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS211Y1 - Accelerated Modern Standard Korean I & II****Hours:** 96L

Covering both EAS110Y1 and EAS210Y1, the course is ideal for self-motivated students who enjoy fast-paced language learning, students with a passion for Korean films and television, students with some listening and speaking skills from prior study or family background, and students taking the full four-year course series. Successful completion of the course fulfills the prerequisite for EAS310Y1. Students must go through screening process conducted by the Department. See www.eas.utoronto.ca/languages/korean for details.

Exclusion: EAS110Y1, EAS210Y1, EAS212H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

EAS212H1 - Accelerated Modern Standard Korean II

Hours: 48L

As a continuation of EAS110Y1, this course is designed to help students increase their Korean communication skills at beginner high to intermediate low levels. It is ideal for self-motivated students who enjoy fast-paced language learning, and students who have built basic language skills from prior study. Successful completion of the course fulfills the prerequisite for EAS310Y1. Students must go through screening process conducted by the Department. See www.eas.utoronto.ca/languages/korean for details.

Prerequisite: EAS110Y1 (70% minimum)/equivalent as determined by the Korean placement process.

Exclusion: EAS210Y1, EAS211Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS416Y1 - Academic and Professional Korean

Hours: 96S

This course aims to assist students to upgrade their language proficiency for academic and professional purposes. It is ideal for students who seek career opportunities in Korea-related business or in higher education in Korean studies. Emphasis is on comprehension and composition of academic and business texts and preparation for Korean proficiency tests. Students who do not meet the prerequisite must go through placement process conducted by the Department. See www.utoronto.ca/languages/korean for details.

Prerequisite: EAS310Y1 (70% minimum)/equivalent as determined by placement process.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS310Y1 - Modern Standard Korean III

Hours: 96S

As a continuation of EAS210Y1 and EAS211Y1, this course is designed to help students improve their Korean proficiency at the intermediate level. The class focuses not only on oral fluency and grammar but also on reading comprehension. Students who do not meet the prerequisite must go through placement process conducted by Department. See www.eas.utoronto.ca/languages/korean for details.

Prerequisite: EAS210Y1 (67%)/ EAS211Y1 (67%)/ EAS212H1 (67%)/equivalent as determined by placement process

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS410Y1 - Modern Standard Korean IV

Hours: 96S

As a continuation of EAS310Y1, this course is designed for advanced-level learners of Korean. Through reading short essays/articles and watching films, this course aims to improve students' proficiency in speaking, writing, listening, and reading. Classroom and online discussions are conducted entirely in Korean. Students who do not meet the prerequisite must go through placement process conducted by the Department. See www.eas.utoronto.ca/languages/korean for details.

Prerequisite: EAS310Y1 (70% minimum)/equivalent as determined by placement process

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Ecology and Evolutionary Biology

Faculty List

Professors Emeriti

P.A. Abrams, B Sc, Ph D, FRSC
 S.C.H. Barrett, B Sc, Ph D, FRSC, FRS
 D.R. Brooks, MS, Ph D, FRSC
 D.G. Butler, M Sc, Ph D, D Sc, FRSA
 T.J. Carleton, B Sc, Ph D
 C.S. Churcher, M Sc, Ph D
 N.G. Dengler, MS, Ph D
 S.S. Desser, M Sc, Ph D
 T.A. Dickinson, B Sc, Ph D
 D.W. Dunham, BS, Ph D
 J.E. Eckenwalder, M Sc, Ph D
 J.B. Falls, BA, Ph D CM
 C.A. Goldman, M Sc
 R.I.C. Hansell, B Sc, Ph D
 H.H. Harvey, M Sc, Ph D
 D.A. McLennan, M Sc, Ph D
 R.C. Plowright, MA, Ph D
 H.A. Regier, MS, Ph D CM
 G.M. Telford, B Sc, Ph D
 J.D. Thomson, MS, Ph D, FRSC
 A. P. Zimmerman, BA, Ph D

University Professors

M.B. Sokolowski, B Sc, Ph D, FRSC

Distinguished Professors

A. Agrawal, B Sc, Ph D
 L. Rowe, B Sc, Ph D
 J.R. Stinchcombe, BA, Ph D

Professor and Chair of the Department

S.I. Wright, M Sc, Ph D

Professor and Associate Chair, Graduate Studies

F.H. Rodd, M Sc, Ph D

Professor and Associate Chair, Undergraduate Studies

A.D. Cutter, B Sc, Ph D

Professors

B. Chang, AB, Ph D
 M.-J. Fortin, M Sc, Ph D FRSC
 M.R. Gross, B Sc, Ph D
 D.A. Jackson, M Sc, Ph D
 R. Murphy, MA, Ph D
 R.F. Sage, MS, Ph D
 A.E. Weis, BA, Ph D

Associate Professors

J-B. Caron, M Sc, PhD
 D.C. Currie, B Sc, Ph D
 H. Cyr, M Sc, Ph D
 C. Darling, M Sc, Ph D
 M.E. Engstrom, M Sc, Ph D
 D. Evans, B Sc, Ph D
 M.E. Frederickson, AB, Ph D
 B. Gilbert, M Sc, Ph D
 J.M. Moncalvo, M Sc, Ph D
 T.L. Sage, MS, Ph D

Assistant Professors

S. Claramunt, B Sc, Ph D
 M. Krkosek, B Sc, Ph D
 S.B. Kvist, MS, Ph D
 D.L. Mahler, BA, Ph D
 N. Mideo, B Sc, Ph D
 C.M. Rochman, B Sc, Ph D
 N. Rollinson, M Sc, Ph D

Assistant Professor, Teaching Stream

Shelby Riskin, Ph D

Introduction

Ecology and evolutionary biology (EEB) seeks to understand the origins, diversity, and distribution of organisms. All life evolves. All life sciences, along with evidence-based stewardship of life on planet Earth, depend on understanding the factors that influence the origin and maintenance of biological diversity – from genomes to ecosystems. Understanding EEB helps society to make informed decisions about sustainable development, global climate change, invasive species, harvested natural resources, preservation of biodiversity, genetic diversity and ecosystem integrity, control of herbicide and pesticide resistance, antibiotic and drug resistance, and emerging infectious diseases.

Students exposed to these subjects come to realize that the ecological and evolutionary underpinnings of life pose a constellation of engaging scientific problems that are both intellectually challenging and critical to humanity's future. EEB graduates go on to successful careers in data science, research, medicine and healthcare, government ministries like MNR and DFO, environmental and conservation NGO's and consulting firms, and many other industries. As members of one of the highest ranked EEB departments in the world and the largest EEB department in Canada, EEB students are uniquely positioned to enhance their scientific literacy as the future decision-makers and knowledge-creators in society.

The EEB Department offers a diverse collection of over 50 courses that explore biological diversity, conservation biology, molecular evolution, population and quantitative genetics, computational and statistical data analysis, genomics, animal behaviour, the ecology of populations, communities, and ecosystems, mathematical theory in biology, environmental biology, and systematics. EEB faculty include Curators from the Royal Ontario Museum. Students participate in diverse learning environments within EEB courses: hands-on bench and computer lab practicals, field trips, off-campus field courses in Ontario and internationally, small-class discussion seminars, and independent research projects with world-leading faculty researchers. Students enrolled in EEB courses and programs become part of a welcoming and supportive community of scholars.

The EEB Department offers five core Programs of Study (POST): **Ecology & Evolutionary Biology** (Specialist and Major); **Biodiversity & Conservation Biology** (Major), **Environmental Biology** (Major and Minor). Students enrolled in EEB programs are invited to participate in the EEB:PMP peer-mentorship program for Co-Curricular Record credit as a mentee in 2nd year or as a mentor in upper years, and to attend the EEB Info Session Series for advising about career options, applying for scholarships and grad school, and seeking out research opportunities.

Students with questions and advising needs about EEB-sponsored programs are encouraged to visit the departmental website <http://www.eeb.utoronto.ca/undergrad.htm> or to contact the EEB Undergraduate Office, Earth Sciences Centre (25 Willcocks St.), Room 3055B, undergrad.eeb@utoronto.ca, 416-978-2084.

The EEB Department also jointly offers multi-department programs: Specialist, Major, and Minor programs in general **Biology** (with Cell & Systems Biology), a Major program in **Genome Biology** (with Cell & Systems Biology and Molecular Genetics & Microbiology), and a Specialist program in **Bioinformatics & Computational Biology** (with Cell & Systems Biology, Biochemistry, Molecular Genetics & Microbiology, and Computer Science). Students requiring more information about these programs and their course requirements should consult the [Biology](#) Calendar page.

1. 2.0 FCEs: BIO220H1 (ecology and evolutionary biology); BIO230H1 (molecular and cell biology); BIO260H1/ HMB265H1 (genetics); BIO251H1/ BIO270H1/ PSL300H1/ ENV234H1 (plant or animal form and function/environmental biology); Please note: ENV234H1 environmental biology cannot be substituted with EEB375H1.

2. 0.5 FCE in statistics from: EEB225H1 (recommended)/ STA220H1/ STA257H1/ STA288H1/ GGR270H1/ PSY201H1

3. 0.5 FCE in core evolution from: EEB318H1, EEB323H1, EEB362H1

4. 0.5 FCE in core ecology from: EEB319H1, EEB321H1 (both are recommended), EEB328H1

5. 0.5 FCE in organismal biology from: EEB263H1, EEB266H1, EEB267H1, EEB268H1, EEB330H1, EEB331H1, EEB340H1, EEB356H1, EEB362H1, EEB365H1, EEB380H1, EEB382H1, EEB384H1, EEB386H1, EEB388H1, EEB390H1, EEB398H0, EEB399Y0, EEB428H1, EEB430H1, EEB433H1, EEB440H1, EEB455H1, EEB459H1, EEB460H1, EEB465H1, EEB466H1, EEB492H1/ EEB492Y1, EEB495H1, EEB496H1; EHJ352H1; ENV334H1, ENV432H1; ENV395Y1; NUS301H0, NUS302H0, NUS303H0, NUS304H0, NUS401H0*

6. 1.0 FCE at 300+ series, from: EEB313H1, EEB318H1, EEB319H1, EEB321H1, EEB322H1, EEB323H1, EEB324H1, EEB325H1, EEB328H1, EEB330H1, EEB331H1, EEB340H1, EEB356H1, EEB362H1, EEB365H1, EEB380H1, EEB382H1, EEB384H1, EEB386H1, EEB388H1, EEB390H1, EEB398H0, EEB399Y0, EEB428H1, EEB430H1, EEB433H1, EEB440H1, EEB455H1, EEB459H1, EEB460H1, EEB465H1, EEB466H1, EEB492H1/ EEB492Y1, EEB495H1, EEB496H1; EHJ352H1; ENV334H1, ENV432H1; ENV395Y1; NUS301H0, NUS302H0, NUS303H0, NUS304H0, NUS401H0*

*More information about NUS courses and programs can be found on the [Biology](#) Calendar section

Sub-total = 8.0 FCEs

7. 1.0 to 1.5 FCEs in at least two of the three following categories: (1) one field course (0.5 FCE) from EEB403H0, EEB403H1, EEB405H0, EEB405H1, EEB406H0, EEB406H1, EEB407H0, EEB407H1, EEB410H0, EEB410H1; (2) one seminar (0.5 FCE) from EEB495H1; and/or (3) one independent research course (0.5 FCE) from EEB497H1/(1.0 FCE) from EEB498Y1

Sub-total = 9.0 or 9.5 FCEs (depending on options chosen in #7)

8. Select the remaining FCEs for a total of 12.0 FCEs (at least 1.0 must be 300+ series if 1.0 FCE is completed in #7 above) from: BIO251H1, BIO270H1/ PSL300H1, BIO271H1/ PSL301H1; all EEB courses (excluding EEB202H1, EEB208H1, EEB214H1, EEB215H1, EHJ352H1; ENV234H1, ENV334H1, ENV432H1, JHE353H1, JHE355H1; and no more than 1.0 FCE from the following (note that some courses may require prerequisites that are not listed within this program): ANT336H1, ANT333Y1, ANT335Y1, ANT338H1, ANT430H1, ANT436H1; CSB328H1, CSB340H1, CSB349H1, CSB350H1, CSB352H1, CSB353H1, CSB430H1, CSB431H1, CSB452H1, CSB458H1, CSB472H1, CSB474H1; ENV346H1; FOR200H1, FOR201H1, FOR301H1, FOR306H1, FOR307H1, FOR413H1, FOR416H1, FOR417H1, FOR418H1; GGR201H1, GGR203H1, GGR205H1, GGR206H1, GGR272H1, GGR273H1, GGR305H1, GGR307H1, GGR308H1; MAT221H1; MGY340H1; NUS201H0, NUS301H0, NUS302H0, NUS303H0, NUS304H0, NUS401H0*; PSY100H1, PSY260H1, PSY270H1, PSY280H1, PSY290H1, PSY305H1, PSY390H1, PSY397H1, PSY474H1, PSY492H1, PSY497H1 (note that many PSY courses have limited enrolment)

*More information about NUS courses and programs can be found on the [Biology](#) Calendar section

Ecology and Evolutionary Biology Program Goals

Ecologists and evolutionary biologists recognize that all life has evolved and that an understanding of the factors influencing the origin and maintenance of biological diversity – from genomes to ecosystems – underlies all life sciences and is critical to our stewardship of life on this planet. EEB aims to produce citizens who are literate in the ecological and evolutionary principles that form the foundation for understanding life on Earth, how human and natural factors influence nature, and how changes to nature influence public health, the economy, and other societal priorities. The EEB-sponsored programs of study prepare students in these foundations of life science for future careers in data science, research, medicine and healthcare, government agencies like MNR and DFO, environmental and conservation NGO's, and many other industries.

Ecology and Evolutionary Biology Programs

Ecology and Evolutionary Biology Specialist (Science Program) - ASSPE1006

Description:

The **Ecology & Evolutionary Biology Specialist** program (12 FCEs) provides an in-depth understanding of ecological and evolutionary patterns and processes, as well as the diversity of life forms (microbes, fungi, plants, animals). Concepts are taught using a broad array of approaches, including molecular studies, laboratory experiments, computer and mathematical modeling, and field studies. An integral part of the experience is to conduct independent research projects in the laboratory and/or field. There is a strong emphasis within the program on hands-on laboratory and fieldwork that complement the conceptual framework developed in lectures. Students in this program have the opportunity to concentrate in ecology, evolutionary biology, or behaviour.

Completion Requirements:

(12 FCEs including at least 4.0 FCEs at the 300+ series level, 1.0 of which must be at the 400 series level)

First Year (3.0 FCEs): BIO120H1; BIO130H1; (CHM135H1, CHM136H1/ CHM151Y1; (MAT135H1, MAT136H1/ MAT137Y1/ MAT157Y1

Total = 12 FCEs

NOTE: Students may wish to concentrate in ecology, evolutionary biology, or behaviour. Recommended EEB, EHJ and JHE courses for these concentrations are as follows:

Ecology: EEB255H1, EEB319H1, EEB321H1, EEB328H1, EEB365H1, EEB428H1, EEB433H1, EEB440H1, EEB465H1, EEB495H1, ENV432H1

Evolutionary Biology: EEB323H1, EEB324H1, EEB325H1, EEB362H1, EEB390H1, EEB440H1, EEB459H1, EEB460H1; EJH352H1; JHE353H1, JHE355H1

Behaviour: EEB322H1, EEB455H1, EEB496H1

Biodiversity and Conservation Biology Major (Science Program) - ASMAJ0110

Description:

In today's era of unprecedented global change, natural ecosystems are under attack and thousands of species are threatened with extinction and many more have experienced unprecedented declines. Students in the **Biodiversity & Conservation Biology Major** program (8 FCEs) will be equipped to aid in the response to what is perhaps humanity's most pressing challenge, the conservation of biological diversity. Students in this program take courses in their first and second years that provide foundations in ecology, evolutionary biology, biodiversity and conservation biology, environmental biology, mathematics, and statistics. In their upper years students will obtain in-depth knowledge about the diversity of living organisms and take advanced courses in ecology, evolution, and biodiversity and conservation biology, including a capstone course at the 400-level.

Completion Requirements:

(8 FCEs including at least 2.0 FCEs at 300+ series with at least 0.5 FCE at the 400 level series)

First Year (1.0 FCE): BIO120H1; MAT135H1/ MAT137Y1/ MAT221H1/ MAT223H1

Higher Years:

1. 2.0 FCEs: BIO220H1 (ecology and evolutionary biology); EEB225H1(recommended)/ STA220H1/ STA257H1/ STA288H1/ GRG270H1/ PSY201H1 (statistics); EEB255H1 (conservation biology); ENV234H1 (environmental biology; cannot be substituted with EEB375H1)

2. 1.5 FCEs in organismal biology (with at least 0.5 FCE from Group 1 and 0.5 FCE from Group 2) from:
Group 1 (plant or microbial): BIO251H1; EEB268H1, EEB330H1, EEB331H1, EEB340H1; FOR305H1

Group 2 (animal): EEB263H1, EEB266H1, EEB267H1, EEB380H1, EEB382H1, EEB384H1, EEB386H1, EEB388H1

3. 0.5 FCE in core evolution: EEB318H1, EEB323H1, EEB362H1

4. 0.5 FCE in core ecology from: EEB319H1, EEB321H1, EEB328H1

5. 0.5 FCE: EEB365H1 (applied conservation biology)

6. 1.5 FCEs from: BIO130H1, BIO251H1; EEB263H1, EEB266H1, EEB267H1, EEB268H1, EEB313H1, EEB318H1, EEB319H1, EEB321H1, EEB322H1, EEB323H1, EEB324H1, EEB325H1, EEB328H1, EEB330H1, EEB331H1, EEB340H1, EEB362H1, EEB380H1, EEB382H1, EEB384H1, EEB386H1, EEB388H1, EEB390H1, EEB397Y1, EEB398H0, EEB399Y0, EEB428H1, EEB430H1, EEB433H1, EEB440H1, EEB455H1, EEB459H1, EEB497H1, EEB498Y1, EEB499Y1; EJH352H1; ENV334H1, ENV432H1; FOR200H1, FOR201H1, FOR307H1, FOR413H1; GRG272H1, JHE353H1, JHE355H1; NUS

7. 0.5 FCE at 400 series from: EEB465H1, EEB466H1; field course: EEB403H0, EEB403H1, EEB405H0, EEB405H1, EEB406H0, EEB406H1, EEB407H0, EEB407H1, EEB410H0, EEB410H1; seminar: EEB495H1, EEB497H1; research project: EEB498Y1 (recommended research subject in biodiversity and/or conservation biology) and concurrent research issues course EEB488H1 (0.5 FCE)

NOTE: BIO260H1/ HMB265H1 (genetics) is recommended. Note that both BIO260H1 and HMB265H1 require BIO130H1 and BIO230H1; BIO230H1 requires both CHM135H1 and CHM136H1

Students interested in law, economics, policy, or environmental studies may choose to pair their Biodiversity and Conservation Biology Major with another Major such as Economics, Environmental Ethics, or Environmental Studies (all three are Arts programs), or Science programs (e.g., School of the Environment programs).

Ecology & Evolutionary Biology Major (Science Program) - ASMAJ1006

Description:

The **Ecology & Evolutionary Biology Major** program (8 FCEs) provides a comprehensive understanding of ecological and evolutionary patterns and processes, as well as the diversity of life forms (microbes, fungi, plants, animals). Concepts are taught using a broad array of approaches, including molecular studies, laboratory experiments, computer and mathematical modeling, and field studies. An integral part of the experience is to conduct independent research projects in the laboratory and/or field. There is a strong emphasis within the program on hands-on laboratory and fieldwork that complement the conceptual framework developed in lectures.

Completion Requirements:

(8 FCEs including at least 2.0 FCEs at 300+ series with at least 0.5 FCE at the 400 series level)

First Year (2.0 FCEs): BIO120H1; BIO130H1; (CHM135H1, CHM136H1)/ CHM151Y1

Higher Years:

1. 2.0 FCEs: BIO220H1; BIO230H1; BIO260H1/ HMB265H1; EEB225H1/ STA220H1/ STA257H1/ STA288H1/ GRG270H1/ PSY201H1

2. 1.0 FCE from: BIO251H1, BIO270H1/ PSL300H1, BIO271H1, PSL301H1, EEB263H1, EEB266H1, EEB267H1, EEB268H1, ENV234H1

3. 0.5 FCE in core ecology and evolution from: [EEB318H1](#), [EEB319H1](#), [EEB321H1](#), [EEB322H1](#), [EEB328H1](#), [EEB362H1](#)

4. 1.5 FCEs from: [EEB313H1](#), [EEB318H1](#), [EEB319H1](#), [EEB321H1](#), [EEB322H1](#), [EEB323H1](#), [EEB324H1](#), [EEB325H1](#), [EEB328H1](#), [EEB330H1](#), [EEB331H1](#), [EEB362H1](#), [EEB365H1](#), [EEB375H1](#), [EEB380H1](#), [EEB382H1](#), [EEB384H1](#), [EEB386H1](#), [EEB388H1](#), [EEB390H1](#), [EEB397Y1](#), [EEB398H0](#), [EEB398Y0](#), [EEB399Y1](#), [EEB428H1](#), [EEB430H1](#), [EEB433H1](#), [EEB440H1](#), [EEB455H1](#), [EEB459H1](#), [EEB460H1](#), [EEB465H1](#), [EEB466H1](#), [EHJ352H1](#); [ENV432H1](#); [NUS201H0](#), [NUS301H0](#), [NUS302H0](#), [NUS303H0](#), [NUS304H0](#), [NUS401H0*](#); [PSY305H1](#)

*More information about NUS courses and programs can be found on the [Biology Calendar](#) section

5. 0.5 FCE from: [BIO251H1](#); [BIO270H1](#)/ [PSL300H1](#); [BIO271H1](#)/ [PSL301H1](#); EEB (excluding [EEB202H1](#), [EEB208H1](#), [EEB214H1](#), [EEB215H1](#)); [ENV234H1](#), [ENV334H1](#), [ENV432H1](#); [EHJ352H1](#); [JHE353H1](#), [JHE355H1](#); [MAT135H1](#)/ [MAT136H1](#)/ [MAT137Y1](#)/ [MAT221H1](#)/ [MAT223H1](#); [MGY340H1](#); [NUS201H0](#), [NUS301H0](#), [NUS302H0](#), [NUS303H0](#), [NUS304H0](#), [NUS401H0*](#)

*More information about NUS courses and programs can be found on the [Biology Calendar](#) section

6. 0.5 FCE at the 400-series from: field course, [EEB403H0](#), [EEB403H1](#), [EEB405H0](#), [EEB405H1](#), [EEB406H0](#), [EEB406H1](#), [EEB407H0](#), [EEB407H1](#), [EEB410H0](#), [EEB410H1](#); seminar [EEB495H1](#), [EEB496H1](#); independent research project course, [EEB497H1](#), [EEB498Y1](#)/ [EEB499Y1](#) (concurrent with research issues course [EEB488H1](#)); advanced lecture/discussion course, [EEB428H1](#), [EEB430H1](#), [EEB433H1](#), [EEB440H1](#), [EEB455H1](#), [EEB459H1](#), [EEB460H1](#), [EEB465H1](#), [EEB466H1](#); [ENV432H1](#)

Environmental Biology Major (Science Program) - ASMAJ1390

Description:

Environmental science is an interdisciplinary field that integrates biological, chemical, and physical sciences to study human interactions with their environment. The **Environmental Biology Major** program (8 FCEs) provides a broad background in biology that is essential to understand the impact of humans on other organisms and their environments. It provides students with an understanding of ecology, the diversity and function of living organisms, the physical and chemical environment, and the ways organisms interact with, and affect, ecosystem processes. Students are exposed to ecosystem management, issues related to environmental change, and the consequences of interactions between humans and the environment.

Completion Requirements:

(8 FCEs including at least 2.0 FCEs at 300+ series with at least 0.5 FCE at the 400 level series)

First Year (2.0 FCEs): [BIO120H1](#); ([CHM135H1](#), [CHM136H1](#))/ [CHM151Y1](#); [MAT135H1](#)/ [MAT136H1](#)/ [MAT137Y1](#)/ [MAT221H1](#)/ [MAT223H1](#) or [PHY131H1](#)/ [PHY151H1](#) or [BIO130H1](#)

1. 2.0 FCEs: [BIO220H1](#) (ecology and evolutionary biology); [ENV234H1](#) (cannot be substituted with [EEB375H1](#) for this requirement), [ENV334H1](#) (environmental biology); [EEB225H1](#)

(recommended)/ [STA220H1](#)/ [STA257H1](#)/ [STA288H1](#)/ [GGR270H1](#)/ [PSY201H1](#) (statistics)

2. 0.5 FCE in biological diversity and function from: [BIO251H1](#), [BIO270H1](#); [EEB266H1](#), [EEB267H1](#), [EEB268H1](#), [EEB340H1](#); [BIO260H1](#)/ [HMB265H1](#) (note that both require [BIO130H1](#) and [BIO230H1](#))

3. 0.5 FCE in physical environment from: [CHM210H1](#); [ENV237H1](#), [ENV238H1](#); [ESS223H1](#), [ESS261H1](#), [ESS262H1](#); [GGR201H1](#), [GGR203H1](#), [GGR205H1](#), [GGR206H1](#); [PHY131H1](#), [PHY132H1](#), [PHY151H1](#), [PHY152H1](#)

4. 1.0 FCE in core ecology from: [EEB319H1](#), [EEB321H1](#), [EEB322H1](#), [EEB324H1](#), [EEB328H1](#)

5. 1.5 FCEs from: [EEB313H1](#), [EEB319H1](#), [EEB321H1](#), [EEB322H1](#), [EEB323H1](#), [EEB324H1](#), [EEB325H1](#), [EEB328H1](#), [EEB365H1](#), [EEB375H1](#), [EEB386H1](#), [EEB403H0](#), [EEB403H1](#), [EEB405H0](#), [EEB405H1](#), [EEB406H0](#), [EEB406H1](#), [EEB407H0](#), [EEB407H1](#), [EEB410H0](#), [EEB410H1](#), [EEB428H1](#), [EEB430H1](#), [EEB433H1](#), [EEB497H1](#), [EEB498Y1](#), [EEB499Y1](#); [ENV316H1](#), [ENV337H1](#), [ENV432H1](#), [ENV452H1](#); [ESS311H1](#), [ESS361H1](#), [ESS362H1](#), [ESS462H1](#), [ESS463H1](#), [ESS464H1](#); [FOR305H1](#), [FOR307H1](#), [FOR418H1](#); [GGR305H1](#), [GGR307H1](#), [GGR308H1](#); [JFG470H1](#)

6. 0.5 FCE at the 400-series from: field course [EEB403H0](#), [EEB403H1](#), [EEB405H0](#), [EEB405H1](#), [EEB406H0](#), [EEB406H1](#), [EEB407H0](#), [EEB407H1](#), [EEB410H0](#), [EEB410H1](#)/ [FOR418H1](#); seminar/lecture course [EEB428H1](#), [EEB430H1](#), [EEB433H1](#), [EEB495H1](#), [ENV432H1](#), [ENV452H1](#); [ESS462H1](#), [ESS463H1](#), [ESS464H1](#); [JFG470H1](#); [EEB497H1](#), independent research project course [EEB498Y1](#) (concurrent with research issues course [EEB488H1](#)), [EEB499Y1](#)

This program can be combined with other Environmental programs (see School of the Environment), as well as Science (e.g., Chemistry, Earth Sciences) and Social Science (e.g., Economics) programs.

Environmental Biology Minor (Science Program) - ASMIN1390

Description:

Environmental science is an interdisciplinary field that integrates biological, chemical, and physical sciences to study human interactions with their environment. The **Environmental Biology Minor** program (4 FCEs) provides students an introduction to biology that is essential to understand the impact of humans on other organisms and their environments. It provides students with an understanding of ecology, the diversity and function of living organisms, the physical and chemical environment, and the ways organisms interact with, and affect, ecosystem processes. Students are exposed to ecosystem management, issues related to environmental change, and the consequences of interactions between humans and the environment.

Completion Requirements:

(4 FCEs; must include at least one full-course equivalent at the 300+ series)

1. 1.5 FCEs: [BIO120H1](#); [BIO220H1](#); [ENV234H1](#) (cannot be substituted with [EEB375H1](#))

2. 0.5 FCE in organismal biology: [EEB266H1](#), [EEB267H1](#), [EEB268H1](#)

3. 2.0 FCEs (at least 1.0 FCEs at 300+ series)

A. core ecology and evolution (no more than 1.0 FCEs): [EEB318H1](#), [EEB319H1](#), [EEB321H1](#), [EEB322H1](#), [EEB324H1](#), [EEB328H1](#)

B. biological diversity (no more than 0.5 FCE): [EEB263H1](#), [EEB266H1](#), [EEB267H1](#), [EEB268H1](#), [EEB330H1](#), [EEB331H1](#), [EEB340H1](#), [EEB380H1](#), [EEB382H1](#), [EEB384H1](#), [EEB386H1](#), [EEB388H1](#)

C. field courses (no more than 0.5 FCE): [EEB403H0](#), [EEB403H1](#), [EEB405H0](#), [EEB405H1](#), [EEB406H0](#), [EEB406H1](#), [EEB407H0](#), [EEB407H1](#), [EEB410H0](#), [EEB410H1](#)

D. no more than 1.0 FCEs from: [BIO251H1](#), [EEB255H1](#), [EEB362H1](#), [EEB365H1](#), [EEB428H1](#), [EEB433H1](#); [ENV334H1](#) (recommended), [ENV432H1](#); [NUS201H0](#), [NUS301H0](#), [NUS302H0](#), [NUS303H0](#), [NUS304H0](#), [NUS401H0](#)*

*More information about NUS courses and programs can be found on the [Biology](#) Calendar section

Enrolment requirements, 1st year courses, advising and mentorship

All EEB programs have unlimited enrolment and no specific admission requirements. All students who have completed at least 4.0 FCE of courses are eligible to enroll in a Program of Study (FCE=full-course equivalents, most single-semester courses are 0.5 FCE). Program completion requires 12.0-12.5 FCE of courses for a Specialist, 8.0 FCE for a Major, or 4.0 FCE for a Minor. To fulfill graduation [degree requirements](#), students must complete either one Specialist, two Majors, or one Major with two Minors. Students may choose a Specialist to focus in-depth on a single subject area or may pair complementing Majors (or Minors) to customize their education and training to encompass the breadth of their interests.

Students entering their first year in the life sciences take [BIO120H1](#) ("Adaptation and Biodiversity" offered by EEB) and [BIO130H1](#) ("Molecular and Cell Biology" offered by CSB). These courses are taken by students who have successfully completed Grade 12 Biology (SBI4U or an equivalent course). [BIO130H1](#) also requires Grade 12 Chemistry (SCH4U or an equivalent course). One or both of these courses are a prerequisite for almost all further courses in the life sciences. Students requiring more information about [BIO120H1](#) please contact the BIO120 Office, Ramsay Wright Zoological Laboratories (25 Harbord St.), Room 105E, bio120@utoronto.ca

Students requiring more information about EEB programs and courses please visit the departmental website or contact the Undergraduate Office, Earth Sciences Centre (25 Willcocks St.), Room 3055B, undergrad.eeb@utoronto.ca, 416-978-2084.

EEB website: <http://www.eeb.utoronto.ca/undergrad.htm>

Students enrolled in EEB programs are encouraged to participate in the [EEB:PMP peer-mentorship program](#) for Co-Curricular Record credit as a mentee in 2nd year or as a mentor in upper years, and to attend the EEB Info Session Series for advising about [career options](#), applying for [scholarships](#) and grad school, and seeking out [research opportunities](#). EEB students are automatically considered for >\$25,000 in merit and need-based [endowed scholarships](#) annually from our department. Students in EEB courses and programs also are encouraged to seek advice from the EEB undergraduate office (undergrad.eeb@utoronto.ca) and our online [advising resources](#).

Lab Materials Fee

Some courses in this department have a mandatory Lab Materials Fee to cover non-reusable materials. The fee for each such course is given in its course description, and will be included on the student's invoice on ACORN.

First Year Seminars

EEB's "first-year foundations" seminar courses ([EEB197H1](#), [EEB198H1](#), [EEB199H1](#)) are designed to provide students the opportunity to work closely with an instructor in a class of no more than 30 students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study.

General Biology Programs: see [Biology](#)

The University of Toronto has an enormous depth of faculty members on the St. George campus who conduct leading-edge research and teach courses in the biological sciences. Within the Faculty of Arts and Science, St. George campus, there is no single biology department; members of the Departments of [Ecology & Evolutionary Biology \(EEB\)](#) and [Cell & Systems Biology \(CSB\)](#) teach biology courses across the broad spectrum of introductory to advanced topics. These departments jointly offer the Biology Programs of Study to provide broad-based training in biological sciences. Students requiring more information about these programs and their course requirements should consult the [Biology](#) Calendar page.

The Biology Specialist, Major and Minor programs are administered by the Department of Ecology & Evolutionary Biology. Students with questions and advising needs about these programs are encouraged to visit the departmental website <http://www.eeb.utoronto.ca/undergrad.htm> or to contact the EEB Undergraduate Office, Earth Sciences Centre (25 Willcocks St.), Room 3055B, undergrad.eeb@utoronto.ca, 416-978-2084.

Co-sponsored Programs in Genomics and Informatics: see [Biology](#)

The Department of Ecology & Evolutionary Biology also co-sponsors the [Bioinformatics & Computational Biology](#) (Specialist) and [Genome Biology](#) (Major) programs. These programs are administered by the Department of Cell & Systems Biology. Students requiring more information about these programs and their course requirements should consult the [Biology](#) Calendar page.

Ecology & Evolutionary Biology Course Goals

The EEB Department offers a diverse collection of over 50 courses that explore biological diversity, conservation biology, molecular evolution, population and quantitative genetics, computational and statistical data analysis, genomics, animal behaviour, the ecology of populations, communities, and ecosystems, mathematical theory in biology, environmental biology, and systematics. We encourage students enrolled in non-life sciences programs to take one of our many breadth courses to fulfill their distribution requirements for graduation. Students enrolled in EEB courses and programs become part of a welcoming and supportive community of scholars.

Students participate in diverse learning environments within EEB courses: hands-on bench and computer lab practicals, field trips, off-campus field courses in Ontario and internationally, small-class discussion seminars, and independent research projects with world-leading faculty researchers. EEB faculty even include Curators from the Royal Ontario Museum. In EEB courses, students make use of leading resources at UofT, including EEB's greenhouse Growth Facility and the Koffler Scientific Reserve. Students build skills in writing, oral presentation, teamwork, critical thinking, and technical ability in addition to expanding their factual knowledge and conceptual understanding in the biological sciences.

Breadth courses for students in programs outside of the life sciences:

- [EEB197H1](#) - Biodiversity and the City
- [EEB198H1](#) - Genes and Behaviour
- [EEB199H1](#) - Humans, Evolution and Ecology
- [EEB202H1](#) - Plants and Society
- [EEB208H1](#) - Ecosystems and the Human Footprint
- [EEB214H1](#) - Evolution and Adaptation
- [EEB215H1](#) - Conservation Biology

Ecology and Evolutionary Biology Courses

BIO120H1 - Adaptation and Biodiversity

Hours: 24L/15P

Principles and concepts of evolution and ecology related to origins of adaptation and biodiversity. Mechanisms and processes driving biological diversification illustrated from various perspectives using empirical and theoretical approaches. Topics include: genetic diversity, natural selection, speciation, physiological, population, and community ecology, maintenance of species diversity, conservation, species extinction, global environmental change, and invasion biology. A lab coat is required and the cost is approximately \$16 if students wish to purchase it through the Department. (Lab Materials Fee: \$25)

Prerequisite: Grade 12 Biology or equivalent. Students without high school Biology must consult the BIO120 Office (bio120@utoronto.ca)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

EEB197H1 - Biodiversity and the City

Hours: 24L

Most of us are urban creatures, but we as people are not the only urban creatures. In this seminar we will explore the diversity of animal and plant species comprising the ecological community that we call "Toronto". We will learn their names, whether they are endemic (from here originally) or newcomers, general aspects of their biology that suit them to living in an urban environment, how natural selection shapes the traits similarly and differently for species in urban versus wilderness settings, and what happens when the wild and the domesticated members of the community meet one another. For non-science students in all years and disciplines. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

EEB198H1 - Genes and Behaviour**Hours:** 24L

In this course you will experience the new paradigm in behaviour genetic research. You will learn why the concept of a nature-nurture dichotomy is passé and that it has been replaced by a new understanding gained from animal and human research in the areas of gene by environment interaction and epigenetics. We will discuss how our genome listens to our environment and the effect this has on our health and behaviour. We will learn why our early experiences are critical for the development of our brains and our bodies. Together this new body of knowledge will help us understand how individual differences in behaviour and health arise. For non-science students in all years and disciplines. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science**Breadth Requirements:** Living Things and Their Environment (4)**EEB199H1 - Humans, Evolution and Ecology****Hours:** 24L

Learn about the evolution and ecology of humans and other species. Through discussion, scientific literature research, seminal readings, written reports and presentations you will discover scientific answers to questions such as (topics vary among years): How did life originate? Why are there so many species? Where did humans come from? Will humans become extinct? How can we explain human DNA and human brain size? Need we worry about climate change? What is causing the sixth extinction crisis? Are there ecological limits to human population size? What will life be like in the Anthropocene? Are humans still evolving? For non-science students in all years and disciplines. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science**Breadth Requirements:** Living Things and Their Environment (4)**EEB202H1 - Plants and Society****Hours:** 24L

The importance of plants to society. Topics include: plant biology, domestication of crop plants, plant breeding and genetic engineering, biological invasions, conservation, biodiversity and genetic resources, ecological implications of advances in modern plant science, macroevolution of plants, forest utilization. For non-science students in all years and disciplines.

Exclusion: BIO120H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**EEB208H1 - Ecosystems and the Human Footprint****Hours:** 24L/12T

An introduction to the diversity of Earth's aquatic and terrestrial ecosystems (e.g., coral reefs, lakes, tropical rainforests); the history of industrialization and human population growth; how the human footprint impacts ecosystems (e.g., ecosystem function, biological diversity); and strategies to maintain, recover and restore ecosystems. This is a course for non-science students in all years and disciplines.

Exclusion: BIO120H1, ENV200H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**EEB214H1 - Evolution and Adaptation****Hours:** 24L/12T

Evolution and adaptation of life on Earth. Introduction to the theory of evolution by natural selection. Topics may include: evidence supporting the fact of evolution, and how evolutionary theory can help explain the world around us, such as how species are formed, and the evolution of sex, infanticide, and disease. For non-science students in all years and disciplines. For non-science students in all years and disciplines.

Exclusion: BIO120H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**EEB215H1 - Conservation Biology****Hours:** 24L/12T

Introduction to the scientific discipline that deals with threatened species and habitats. Topics include: biodiversity, extinction, threats, demography, genetic diversity, protecting, managing and restoring ecosystems (e.g., nature reserves, captive breeding, conservation corridors), sustainable development, and global warming. Ties between the study of conservation biology and environmental law, economics, and policy will also be covered. For non-science students in all years and disciplines.

Exclusion: BIO120H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)

BIO220H1 - From Genomes to Ecosystems in a Changing World

Hours: 24L/15P

Dynamics of genetic and ecological change in biological systems, from genomes to ecosystems. Evolutionary genetic and ecological perspectives on wide-ranging topics including disease, aging, sexual conflict, genetics of human differences, conservation, and global climate change. Applications of evolutionary, ecological, and molecular-genetic principles and processes. Responsibilities of human societies in a changing world. (Lab Materials Fee: \$25).

Prerequisite: BIO120H1

Recommended Preparation: BIO130H1, BIO230H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

BIO251H1 - Form, Function and Development in Plants

Previous Course Number: BIO251Y1

Hours: 24L/18P

Introduction to structure, function, and ecology of vegetative and reproductive processes in plants with a focus on flowering plants and gymnosperms. Lectures and labs emphasize photosynthesis, respiration, mineral nutrition, transport processes, patterns of plant growth and development, the role of hormones in development, photomorphogenesis, and plant reproduction. (Lab Materials Fee: \$25).

Prerequisite: BIO120H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

EEB225H1 - Biostatistics for Biological Sciences

Hours: 36L/12P

A statistics course designed especially for life science students, using examples from ecology and evolution where appropriate. Students learn to choose and use statistics that are appropriate to address relevant biological questions and hypotheses. Lectures and computer labs will be used to cover the following methods: sampling and experimental design, data exploration, correlation, regression, ANOVA, Chi-square, and non-parametric tests.

Prerequisite: BIO120H1

Exclusion: BIO225H1/ ECO220Y1/ ECO227Y1/ GGR270H1/ HMB325H1/ PCL376H1/ PSY201H1/ SOC300Y1/ STA220H1/ STA250H1/ STA288H1

Distribution Requirements: Science

EEB255H1 - Essentials of Biodiversity Science and Conservation Biology

Hours: 36L

“Classical” and “new” concepts in biodiversity and conservation. Topics may include: evolution and ecology in the past (Holocene) and future (Anthropocene); levels and kinds of biodiversity; valuing biodiversity through ecological economics; causes of endangerment; predicting extinction; genetic and demographic theory; habitat protection and captive breeding; conservation policies and endangered species acts; designing future biodiversity.

Prerequisite: BIO120H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

ENV234H1 - Environmental Biology: Structure and Function of Ecosystems

Hours: 24L/18P

This multidisciplinary course draws on elements from geology, soil science, and ecology to understand past and present environments and human impacts on landscapes and ecosystems. Emphasis on the structure, functioning and connectivity of aquatic and terrestrial ecosystems. Field trips and labs. Mandatory day-long field trip on a Friday or Saturday in late September or early October (students choose which day; a small fee may be charged for transportation.) (Lab Materials Fee: \$25)

Prerequisite: BIO120H1/ JEG100H1 (recommended)/ FOR200H1/ FOR201H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

EEB263H1 - Comparative Vertebrate Anatomy

Hours: 24L/36P

The ontogeny and phylogeny of vertebrate structure are considered within the context of evolutionary theory. Functional aspects of the various organ systems are examined. Representative vertebrates are analyzed (with brief dissection of some forms) in laboratory to illustrate selected anatomical features and to provide practical exposure to vertebrate construction. (Lab Materials Fee: \$25)

Prerequisite: BIO120H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

EEB266H1 - Animal Diversity: Invertebrates**Hours:** 24L/18P

The diversity of invertebrates (e.g. sponges, jellyfish, flatworms, molluscs, segmented worms, round worms, arthropods, echinoderms and several smaller phyla) is explored, focusing on taxonomic characters that define each group and their placement in the evolutionary tree of life, ecological function, biological requirements, and geographical distribution. Labs emphasize identification and recognition of major groups, including dissection when appropriate. (Lab Materials Fee: \$25)

Prerequisite: BIO120H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**EEB313H1 - Quantitative Methods in R for Biology****Hours:** 24L/24P

The quantitative analysis and management of biological data is crucial in modern life sciences disciplines. Students will develop skills with R as applied to problems in ecology and evolutionary biology to learn reproducible approaches for data management, data manipulation, visualization, modelling, statistical analysis, and simulation for solving biological problems.

Prerequisite: BIO220H1, EEB225H1/ STA288H1/ STA220H1**Exclusion:** STA130H1, PSY305H1**Recommended Preparation:** CSC108H1/ CSC120H1/ CSC121H1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**EEB267H1 - Animal Diversity: Vertebrates****Hours:** 24L/18P

Introduction to the diversity of chordate animals (vertebrates, tunicates, and lancelets), focusing on morphological, physiological, ecological and behavioural traits that make each group special and how those traits increase vulnerability to human-based exploitation. Labs involve living organisms whenever possible, but only for display purposes.

Prerequisite: BIO120H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**EEB318H1 - Principles of Evolution****Hours:** 24L/12T

Principles and practice of evolutionary biology since Darwin. Topics may include: phylogeny, speciation, mutation and neutral evolution, population genetic variation, quantitative genetics, molecular evolution, natural selection and adaptation, evolutionary conflict and cooperation, and levels of selection.

Prerequisite: BIO220H1**Exclusion:** Students who have taken EEB323H1/ EEB324H1 cannot take (or concurrently take) EEB318H1. Students who have completed EEB318H1 may take EEB323H1/ EEB324H1/ EEB362H1.**Recommended Preparation:** BIO260H1/ HMB265H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**EEB268H1 - Plant and Microbial Diversity****Hours:** 24L/15P

Introduction to the biology of algae, fungi, and land plants. Lectures and labs emphasize the diversity of organisms with a focus on life cycles, ecology, and evolution. (Lab Materials Fee: \$25)

Prerequisite: BIO120H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**EEB319H1 - Population Ecology****Hours:** 24L/36P

Abundance and distribution of populations; population growth and regulation; fluctuations, stochasticity and chaos; meta-population persistence and extinction; age and stage-structured populations; interactions within and between species; optimal harvesting; spread of infectious diseases. Labs include experiments and computer simulations. (Lab materials fee: \$25)

Prerequisite: BIO220H1; (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1; and a course in statistics from EEB225H1 (recommended), PSY201H1, STA220H1/ STA250H1/ STA257H1, STA288H1/ GGR270H1, HMB325H1**Recommended Preparation:** ENV234H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**EEB299Y1 - Research Opportunity Program****Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Science

EEB321H1 - Community Ecology

Hours: 24L/36P

Nature and analysis of community structure; disturbance and community development; species interactions; community assembly processes. Computer exercises in weekly labs provide training in sampling, simulation, and data analysis.

Prerequisite: BIO220H1; and a course in statistics from EEB225H1 (recommended), PSY201H1, STA220H1/ STA250H1/ STA257H1/ STA288H1, GGR270H1, HMB325H1

Recommended Preparation: EEB319H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

EEB324H1 - Evolutionary Ecology

Hours: 36L/12T

Empirical and theoretical approaches to key areas of research including natural selection, sexual selection, and life histories. Other topics may include phenotypic plasticity, speciation, co-evolution, and quantitative genetics.

Prerequisite: EEB318H1/ EEB323H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

EEB325H1 - Evolutionary Medicine

Hours: 36L/12T

How evolutionary principles can help us better understand health and disease. Concepts from evolutionary biology (e.g., life history theory, coevolution, genomic conflict, constraints and trade-offs) will be applied to key problems in medicine and public health, including antibiotic resistance, aging, cancer, autoimmune disease, and pathogen virulence.

Prerequisite: BIO130H1, BIO220H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

EEB328H1 - Physiological Ecology

Hours: 24L/24T

An advanced treatment of the physiological mechanisms controlling plant and animal distribution and ecological success. Topics of focus include photosynthesis and resource balance, water and nutrient relations, temperature effects, and adaptations to abiotic stress. A fee of approximately \$15 may be charged for field trip transportation.

Prerequisite: BIO220H1

Recommended Preparation: BIO251H1/ BIO270H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

EEB330H1 - Systematic Botany

Hours: 24L/36P

The theoretical foundations of taxonomy and the types of evidence used in constructing plant classifications. Labs emphasize taxonomic characters and their uses. Includes an independent taxonomic project. (Lab Materials Fee: \$25)

Prerequisite: BIO220H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

EEB331H1 - Introduction to the Fungi**Hours:** 24L/36P

Topics include fungal systematics, morphology, physiology, and ecology. The roles of fungi in the environment and their importance to man. A weekend field trip explores the natural occurrence of fungi. Labs introduce the techniques used for morphological and molecular identification, and for isolation in pure culture. Students use fungal cultures to conduct an independent experimental research project. (Lab Materials Fee: \$25).

Prerequisite: BIO220H1**Recommended Preparation:** EEB268H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**EHJ352H1 - Evolution of the Human Genome****Hours:** 24L/12T

Human genome diversity and evolution with a focus on current research. The course integrates applications of human evolutionary genomics to the understanding of human history and adaptation, the causes of disease, and genome structure and function. Topics include: comparative genomics, population genomics of adaptation, association mapping, repetitive/selfish DNA, and gene duplication.

Prerequisite: BIO220H1, BIO260H1/ HMB265H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**JHE353H1 - History of Evolutionary Biology****Hours:** 24L/10T

An examination of major ideas about biological evolution from the 18th century to the 1930s and of their impact on scientific and social thought. Topics include the diversity of life and its classification, the adaptation of organisms to their environment, Wallace's and Darwin's views on evolution by natural selection, sexual selection, inheritance from Mendel to T.H. Morgan, eugenics, and the implications of evolution for religion, gender roles, and the organization of society. Offered by the Institute for the History and Philosophy of Science and Technology.

Prerequisite: 6 full courses or equivalent**Exclusion:** EEB353H1/ HPS323H1/ HPS353H1**Distribution Requirements:** Humanities; Science**Breadth Requirements:** Society and its Institutions (3)**JHE355H1 - History and Philosophy of Evolutionary Biology****Hours:** 24L/10T

An examination of the place of the organism in evolutionary theory from the early 1900s to the present. Biology is the science of living things, and yet, paradoxically, living things--organisms--have been comprehensively left out of the Modern Synthesis theory of evolution that developed in the twentieth century. This course surveys the reasons--historical, philosophical and empirical--for the marginalisation of organisms from evolutionary theory. It examines the ways in which evolutionary developmental biology attempts to restore the organisms to a central place in evolutionary biology. Offered by faculty in the Institute for the History and Philosophy of Science and Technology.

Prerequisite: 6 full courses, including two half-courses or one full-year course in any one or more of EEB, BIO or HPS**Exclusion:** EEB355H1/ HPS333H1/ HPS355H1**Recommended Preparation:** JHE353H1**Distribution Requirements:** Humanities; Science**Breadth Requirements:** Society and its Institutions (3)**EEB340H1 - Comparative Plant Morphology****Hours:** 24L/36P

The origin of land plants and the subsequent diversification of land plant vegetative and reproductive form and function. Discussions synthesize morphological and anatomical knowledge from living organisms and fossil records with cellular, physiological, and molecular information on the developmental "tool kit" of land plants and their ancestors throughout geological time. Topics address the evolution of vegetative and reproductive meristems; stem, leaf, and root architecture; vascular tissue; the ovule habit; fertilization processes; and pollination biology. (Lab Materials Fee: \$25; Lab Manual Fee: \$25)

Prerequisite: BIO220H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)

EEB362H1 - Macroevolution**Hours:** 24L/12T

Explores patterns and processes of large-scale evolutionary change, played out over large geographic expanses and extended periods of time. Integrates information from paleontology, phylogenetics, field studies, functional biology, and experiments to link emergent evolutionary patterns to underlying evolutionary processes. Topics include: speciation, phylogenetic inference, adaptive vs. non-adaptive evolution, evolutionary constraints, diversification and extinction, evolutionary innovations, historical biogeography, and the relationship between evolutionary history and ecology. Tutorials will illustrate common analytical approaches to macroevolutionary investigation and provide in-depth exploration of landmark studies in macroevolution.

Prerequisite: BIO220H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**EEB365H1 - Topics in Applied Conservation Biology****Hours:** 24L/24P

Applied conservation biology including management (at the level of species/populations, environments/landscapes, and ecosystems) and how to conserve and maintain biodiversity and ecosystem function (including species and ecosystem distribution modelling).

Prerequisite: BIO220H1**Recommended Preparation:** EEB255H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**EEB375H1 - Organisms and Their Environment****Hours:** 24L/12T

Ecological interactions between organisms and their environment. Past and present changes in Earth's environment and the human responses to those changes. Topics may include: Pleistocene glaciations, origins of agriculture, species extinctions, disease ecology, deforestation, water pollution, pesticides, and estrogenic compounds. (Note: EEB375H1 cannot substitute ENV234H1 to satisfy a program requirement.)

Prerequisite: BIO220H1**Exclusion:** ENV234H1/ ENV334H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**EEB380H1 - Diversity of Insects****Previous Course Number:** EEB356H1**Hours:** 24L/36P

Evolutionary history, morphology, physiology, development, behaviour, and ecological significance of insects. Labs focus on identification of major groups of insects found in Ontario and each student makes an insect collection. Insects are collected during field trips during class time and also on Saturday field trips early in the term. A fee of approximately \$25 may be charged for field trip transportation.

Prerequisite: BIO220H1**Exclusion:** EEB356H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**EEB382H1 - Diversity of Fishes****Hours:** 24L/18P

Systematics, morphology, ecology, behaviour, biogeography, and conservation of fishes. Identification of major groups of fish; what makes each group biologically special and how those unique traits might contribute to conservation concerns. Labs focus on exercises designed to highlight how ichthyologists actually do research. (Lab materials fee: \$25)

Prerequisite: BIO220H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**EEB384H1 - Diversity of Amphibians and Reptiles****Hours:** 24L/36P

Lectures and laboratories examine the natural history, morphology, behaviour, ecology, evolutionary relationships, and biogeography of amphibians (frogs and toads, salamanders, caecilians) and non-avian reptiles (turtles, the tuatara, lizards, snakes, and crocodilians). Ancillary fee of \$25 to cover cost of transportation for a field trip to the Toronto Zoo.

Prerequisite: BIO220H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)

EEB386H1 - Diversity of Birds**Hours:** 24L/24P

Avian ecology, behaviour, conservation, and functional morphology and evolution of avian flight. Labs focus on avian anatomy and song analysis, and an outdoor activity introduces students to basic avian identification and compiling a field journal.

Prerequisite: BIO220H1**Exclusion:** BIOD48H3/BIO326H5**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**EEB388H1 - Diversity of Mammals****Hours:** 24L/36P

Lectures and laboratories examine the natural history, morphology, classification, evolutionary relationships, reproduction, biogeography, and conservation of mammals. Labs focus on the identification of mammals and their diverse morphological adaptations including mammals of Ontario. Lab manual fee: \$25.

Prerequisite: BIO220H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**EEB390H1 - Vertebrate Paleontology: Major Transitions in Vertebrate History****Hours:** 24L/18P

The evolutionary history of vertebrates is recorded in their fossil record. Lectures highlight the origin and radiation of major vertebrate clades, and emphasize key events in vertebrate history, notably major ecological and evolutionary transitions, and mass extinctions. Practicals (at the Royal Ontario Museum) explore fossils that exemplify these themes.

Prerequisite: BIO220H1; at least one of EEB263H1, EEB267H1, EEB362H1, EEB382H1, EEB384H1, EEB386H1, EEB388H1**Recommended Preparation:** EEB263H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**EEB397Y1 - Research Project in Ecology and Evolutionary Biology****Hours:** TBA

An intermediate research project requiring the prior consent of a member of the Department to supervise the project. The topic is to be one mutually agreed on by the student and supervisor. They must arrange the time, place, and provision of any materials and submit to the Undergraduate Office a signed form of agreement outlining details prior to being enrolled. This course is open to highly self-motivated students who are in their Third Year and have a strong interest in ecology and/or evolutionary biology. Students are required to write up the results of their research in a formal paper, often in the format of a research article, and may be required to present the results at a poster session and/or participate in an oral presentation. Students should contact their potential supervisors over the summer before classes begin in September. Information regarding how to register for the course is available on the EEB website. Not eligible for CR/NCR option. Note: cannot enrol if already taken the fourth year research project course EEB498Y1/EEB499Y1.

Prerequisite: Permission of department**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**EEB398H0 - Research Excursions****Hours:** TBA

An instructor-supervised project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Science**EEB398Y0 - Research Excursion****Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at: <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Science
Breadth Requirements: The Physical and Mathematical Universes (5)

EEB399Y1 - Research Opportunity Program**Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

EEB405H0 - Temperate Field Biology**Hours:** TBA

A two-week field course offered (in May or August) at U of T's Koffler Scientific Reserve, King City, Ontario. Students learn the natural history of the region and conduct a field-based research project in ecology or evolutionary biology. A fee of \$720 for accommodations, food, within course travel, station fee, etc. will apply. See Departmental website for details. Not eligible for CR/NCR option.

EEB403H0 - Tropical Field Biology**Hours:** TBA

A two-week field course introducing students to the diversity of biological communities in the tropics focusing on ecological and evolutionary interactions. Plant and animal communities of the New World tropics are compared and contrasted with temperate communities. Student research projects included. Fee for accommodations, food, within course travel, station fee, etc. will apply. See Departmental website for details. Not eligible for CR/NCR option.

Prerequisite: BIO220H1 and permission of department**Recommended Preparation:** A second or third year ecology, evolution or environmental biology course; and a course in statistics.**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**Prerequisite:** BIO220H1 and a course in statistics and permission of department**Recommended Preparation:** A second or third year ecology, evolution or environmental biology course**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**EEB405H1 - Temperate Field Biology****Hours:** TBA

A two-week field course offered (in May or August) at U of T's Koffler Scientific Reserve, King City, Ontario. Students learn the natural history of the region and conduct a field-based research project in ecology or evolutionary biology. A fee of \$720 for accommodations, food, within course travel, station fee, etc. will apply. See Departmental website for details. Not eligible for CR/NCR option.

Prerequisite: BIO220H1 and a course in statistics and permission of department**Recommended Preparation:** A second or third year ecology, evolution or environmental biology course**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**EEB403H1 - Tropical Field Biology****Hours:** TBA

A two-week field course introducing students to the diversity of biological communities in the tropics focusing on ecological and evolutionary interactions. Plant and animal communities of the New World tropics are compared and contrasted with temperate communities. Student research projects included. Not eligible for CR/NCR option.

Prerequisite: BIO220H1 and permission of department**Recommended Preparation:** A second or third year ecology, evolution or environmental biology course; and a course in statistics.**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**EEB406H0 - Inter-University Field Course****Hours:** TBA

A two-week field course offered between May and August by another Ontario university (to various locations) as part of the Ontario Universities Program in Field Biology (OUPFB). The selection of field course modules are announced in January. For registration information and additional fees information consult the EEB website; fees from \$350-5000 will be applied for field trip costs. Not eligible for CR/NCR option.

Prerequisite: Varies on module selected.**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)

EEB406H1 - Inter-University Field Course**Hours:** TBA

A two-week field course offered between May and August by another Ontario university (to various locations) as part of the Ontario Universities Program in Field Biology (OUPFB). The selection of field course modules are announced in January. For registration information and additional fees information consult the EEB website; fees from \$350-5000 will be applied for field trip costs. Not eligible for CR/NCR option.

Prerequisite: Varies on module selected**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**EEB407H0 - Alpine Ecosystems****Hours:** TBA

A two-week field course at a high mountain field station in the summer. Students learn the natural history of alpine and subalpine biomes and investigate major abiotic and biotic interactions. Required projects catalogue natural diversity, examine species interactions, or assess abiotic influences and stresses on high-altitude organisms and their environment. (Offered occasionally.) Not eligible for CR/NCR option.

Prerequisite: BIO120H1, (BIO251H1 or BIO270H1) and permission of department**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**EEB407H1 - Alpine Ecosystems****Hours:** TBA

A two-week field course at a high mountain field station in the summer. Students learn the natural history of alpine and subalpine biomes and investigate major abiotic and biotic interactions. Required projects catalogue natural diversity, examine species interactions, or assess abiotic influences and stresses on high-altitude organisms and their environment. (Offered occasionally.) Not eligible for CR/NCR option.

Prerequisite: BIO220H1, (BIO251H1 or BIO270H1) and permission of department**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**EEB410H0 - Lake Ecosystem Dynamics****Hours:** TBA

A two-week field course in August (offered in alternate years) at the Harkness Fisheries Research Laboratory in Algonquin Park, Ontario. Field and laboratory exercises demonstrate how interactions between physical, chemical, and biological parameters are crucial in understanding lake ecosystems. Fundamental and applied issues are discussed. Students collect, analyse, and interpret data, and complete a class project and an individual project. A fee of \$900 for accommodations, food, within course travel, station fee, etc. will apply. See Departmental website for details. Not eligible for CR/NCR option.

Prerequisite: BIO220H1 and permission of department**Recommended Preparation:** At least one 200+ series course in ecology, environmental biology, or physical geography; and a course in statistics**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**EEB410H1 - Lake Ecosystem Dynamics****Hours:** TBA

A two-week field course in August (offered in alternate years) at the Harkness Fisheries Research Laboratory in Algonquin Park, Ontario. Field and laboratory exercises demonstrate how interactions between physical, chemical, and biological parameters are crucial in understanding lake ecosystems. Fundamental and applied issues are discussed. Students collect, analyse, and interpret data, and complete a class project and an individual project. A fee of \$900 for accommodations, food, within course travel, station fee, etc. will apply. See Departmental website for details. Not eligible for CR/NCR option.

Prerequisite: BIO220H1 and permission of department**Recommended Preparation:** At least one 200+ series course in ecology, environmental biology, or physical geography; and a course in statistics**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**EEB428H1 - Global Change Ecology****Hours:** 24L/24T

An examination of organism, population, and ecosystem responses to long-term environmental change occurring at the global scale, with emphasis on human caused perturbation to climate and the carbon, nitrogen, and hydrolic cycles and their ecological effects.

Prerequisite: BIO220H1 and at least 1.0 FCE from EEB at 300+ series**Recommended Preparation:** ENV234H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)

EEB430H1 - Modeling in Ecology and Evolution

Hours: 24L/12P

Study of ecology and evolution uses models to explain biological phenomena including the maintenance of biodiversity, population growth, competition, eco-evolutionary dynamics, trait and molecular evolution, epidemiology, spatial ecology, phylogeny and extinction. Students will learn to develop, assess and apply analytical, simulation and statistical models for analysis and data interpretation.

Prerequisite: BIO220H1, EEB225H1, MAT136H1/ MAT137Y1/ MAT223H1, and at least one of EEB319H1/ EEB321H1/ EEB322H1/ EEB323H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

EEB440H1 - Ecology and Evolution of Plant-Animal Interactions

Hours: 24L/12T

Major concepts in ecology and evolution from the perspective of plant-animal interactions. The richness of interactions between plants and animals is explored including antagonistic interactions (e.g., herbivory, carnivorous plants), mutualistic interactions (e.g., pollination, seed dispersal, ant-plant associations), and interactions involving multiple species across trophic levels.

Prerequisite: BIO220H1, a course in statistics (from EEB225H1 (recommended)/ PSY201H1 / STA220H1/ STA257H1/ STA288H1/ GGR270H1/ HMB325H1) and at least one of EEB318H1 / EEB319H1/ EEB321H1/ EEB323H1/ EEB324H1/ EEB328H1/ EEB403H1/ EEB403H0/ EEB405H1/ EEB405H0/ EEB406H1/ EEB406H0/ EEB407H1/ EEB407H0/ EEB410H1/ EEB410H0

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

ENV432H1 - Urban Ecology

Hours: 24L/12S

The ecology of urban areas through consideration of the biological and physical environments, in particular how the human-constructed environment alters pre-existing biophysical conditions and interactions. Encompasses a comparative perspective to study the development of these emerging ecosystems of increasing importance given global urbanization. One or two Saturday field trips (a fee of approximately \$15 may be charged for field trip transportation.)

Prerequisite: BIO220H1 and at least one of EEB319H1/ EEB321H1/ EEB365H1/ ENV334H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

EEB455H1 - Genes, Environment and Behaviour

Hours: 18L/18S

An examination of the Gene-Environment Interplay perspective as sources of individual differences in behaviour, from both mechanistic and evolutionary viewpoints. Both historical and recent studies are used to illustrate important concepts in the field. Student-led discussions address the evidence base for these concepts.

Prerequisite: BIO220H1, HMB265H1/ BIO260H1, and at least 12.0 FCEs (including 1.0 FCE 300+ level series EEB course)

Recommended Preparation: EEB322H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

EEB433H1 - Global Issues in Aquatic Ecosystems

Hours: 36L

Advanced study of ecological principles and applied issues in freshwater and marine systems. Lectures and student-led discussions will cover physical, chemical, and biological interactions, from microbes to marine mammals. Topics may include carbon and nutrient cycling, food webs & trophic downgrading, ocean acidification, hydrothermal vents & connectivity in the oceans, lake management.

Prerequisite: BIO220H1, ENV234H1 and one of EEB319H1/ EEB321H1/ EEB328H1/ ENV334H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

EEB459H1 - Population Genetics

Hours: 24L/12T

A focus on theoretical population genetics, using mathematical models to understand how different evolutionary forces drive allele frequency change. Students learn how to mathematically derive classic results in population genetics. Topics include drift, coalescence, the relationship between population and quantitative genetics, selection in finite populations, and mutation load. Offered in alternate years; next offered in 2018-19.

Prerequisite: BIO260H1/ HMB265H1, EEB323H1

Recommended Preparation: A solid understanding of basic algebra and calculus.

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

EEB460H1 - Molecular Evolution and Genomics

Hours: 36L

Processes of evolution at the molecular level, and the analysis of molecular data. Gene structure, neutrality, nucleotide sequence evolution, sequence evolution, sequence alignment, phylogeny construction, gene families, transposition.

Prerequisite: BIO220H1, BIO230H1/ BIO255H1, BIO260H1/ HMB265H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

EEB466H1 - Approaches to the Study of Biodiversity

Hours: 24L/24P

This course uses the collections, research, and public gallery areas of the Royal Ontario Museum to expose students to the ways in which biodiversity is discovered, analyzed, and interpreted in a museum setting. Topics include: morphological and molecular approaches, taxonomy, classification, bioinformatics and e-taxonomy, and the interpretation of biodiversity for the public. Labs include student projects and a one-day field trip on a weekend (cost about \$15).

Prerequisite: BIO220H1; EEB266H1/ EEB267H1/ EEB268H1/ EEB330H1/ EEB331H1/ EEB365H1/ EEB380H1/ EEB382H1/ EEB384H1/ EEB386H1/ EEB388H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

EEB462H1 - Phylogenetic Systematics

Hours: 24L/36P

The Tree of Life metaphor for evolutionary relationships among species, phylogenies, is now fundamental in biology. Phylogenetic trees are now used both in species classification and to investigate myriad biological hypotheses about the evolutionary process and applied problems like virus and cancer epidemiology. This course will train students in the concepts and core methods of phylogenetic tree inference, including parsimony, likelihood, and Bayesian techniques. Students will gain bioinformatics skills with application to DNA sequence analysis and phylogenetic tree inference. Through a combination of lectures, discussion, and computer labs, students will master theory and practice of phylogenetic tree construction and inference.

Prerequisite: BIO220H1, EEB225H1/ STA220H1/ STA247H1/ STA248H1/ STA261H1/ STA288H1/ GGR270H1/ PSY201H1

Recommended Preparation: CSC108H1, EEB323H1, EEB362H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

EEB488H1 - Research Issues in Ecology and Evolutionary Biology

Hours: 36S

This course is taken concurrently by students who are enrolled in EEB498Y1 Advanced Research Project in Ecology and Evolutionary Biology, and uses a combination of seminars, discussions, and presentations (including presentations by students) designed to cover issues commonly encountered when conducting research in ecology and evolutionary biology. Topics may include experimental design, effective use of statistics, scientific writing and publishing, public communication, ethics, and career development. Students will be required to attend departmental seminars. This half-course runs from September to April and meets in alternate weeks. Students who apply to EEB497H1 in the fall session can also apply to enrol concurrently in EEB488H1.

Prerequisite: Permission of the department

Corequisite: EEB498Y1 (or EEB497H1 Fall)

Exclusion: EEB499Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

EEB465H1 - Advanced Topics in Biodiversity Science and Conservation Biology

Hours: 36L

Biodiversity in the Anthropocene. This course links the biological and social sciences to identify human goals for future biodiversity, methods to achieve this biodiversity, and to understand key issues such as the end of the wild, ecosystem services as a unit of conservation, animal welfare as a moral responsibility, and GMOs as biodiversity. Practical training may be provided in identifying species at risk, and in applying ecological-economics to trade-off decisions.

Prerequisite: BIO220H1, EEB255H1 and at least 1.0 FCE from EEB at 300+ series

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

EEB495H1 - Seminar in Ecology and Evolutionary Biology

Hours: 24S

Seminar course in ecology and evolutionary biology, emphasizing critical thinking and the synthesis of ideas crossing disciplinary boundaries. Group discussions among peers, facilitated by faculty, and student presentations. Discussions include critical analysis of research and review articles in the primary literature. Evaluation based on presentations, participation in class discussions, and written assignments. (Note students may take this course only once.)

Prerequisite: A minimum of 1.0 FCE in EEB courses at the 300+ level (at least 0.5 FCE in ecology and 0.5 FCE in evolutionary biology is highly recommended)

Exclusion: EEB496H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

EEB497H1 - Research Studies in Ecology & Evolutionary Biology

Hours: TBA

An independent studies half-course allowing students to produce a literature review, which is supervised by a faculty member in the Department of Ecology and Evolutionary Biology. Highly motivated fourth-year students will work closely with a supervisor and be required to write up the results of their research in a final research paper. Students should contact a potential supervisor well before classes begin in the fall, winter, or summer session. Information on how to apply for the course is available on the EEB website.

Students cannot take more than two independent research courses of EEB 497H1, 498Y1, and 499Y1, and the second project must be with a different supervisor. Students who apply to EEB497H1 in the fall session can also apply to enrol concurrently in EEB488H1Y. Not eligible for CR/NCR option.

Prerequisite: Permission of department

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

EEB496H1 - Seminar in Behaviour and Behavioural Ecology

Hours: 24S

Topics in behavioural ecology including predator-prey interactions, host-parasite interactions, mate choice, and foraging. Other topics for general discussions may include animal emotions, consciousness, culture and welfare. Evaluation based on presentations, participation in class discussions, and written assignments.

Prerequisite: EEB322H1 (minimum GPA of 2.7); and one of EEB318H1/ EEB323H1/ EEB324H1 / EEB362H1 / EEB403H1/ EEB403H0/ EEB405H1/ EEB405H0/ EEB406H1/ EEB406H0/ EEB407H1/ EEB407H0/ EEB410H1/ EEB410H1 or PSY362H1/ PSY390H1/ PSY392H1/ PSY397H1

Exclusion: EEB495H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

EEB498Y1 - Advanced Research Project in Ecology and Evolutionary Biology

Hours: TBA

An advanced research project (a literature review alone is not sufficient) requiring the prior consent of a member of the Department to supervise the project. The topic is to be one mutually agreed on by the student and supervisor. They must arrange the time, place, and provision of any materials and submit to the Undergraduate Office a signed form of agreement outlining details prior to being enrolled. This course is normally open only to highly self-motivated students who are in their Fourth-Year and have adequate background in ecology and/or evolutionary biology. Students are required to write up the results of their research in a formal paper, often in the format of a research article, and are also required to present the results at a poster session and/or oral presentation. The time commitment is approximately 8 hours per week. Students should contact their potential supervisors over the summer before classes begin in September. Information regarding how to register for the course is available on the EEB website. Students in this course are also concurrently enrolled in EEB488H1Y Research Issues in Ecology and Evolutionary Biology. Not eligible for CR/NCR option.

Prerequisite: Permission of department

Corequisite: EEB488H1Y

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

EEB499Y1 - Advanced Research Project in Ecology and Evolutionary Biology II

Hours: TBA

Allows students to do another independent project, supervision of which must be different from EEB497H1/EEB498Y1. Operates in the same manner as EEB498Y1. Not eligible for CR/NCR option.

Prerequisite: EEB497H1/ EEB498Y1 and permission of department

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

Economics

Faculty List

University Professor Emeritus

S. Hollander, OC, BScEcon, Ph D, LLD, FRSC

Professors Emeriti

G. Anderson, MSc, Ph D (University of Toronto Mississauga)
 R.A. Berry, BA, Ph D
 R.M. Bird, MA, Ph D, FRSC
 J.D. Bossons, AM, Ph D
 J.L. Carr, MA, Ph D
 F.R. Casas, MSc, Ph D
 J.S. Cohen, MA, Ph D
 D.N. Dewees, BSc, LL B, Ph D
 J.E. Floyd, MA, Ph D
 D.K. Foot, AM, Ph D
 M.A. Fuss, MA, Ph D
 M. Gunderson, MA, Ph D, FRSC
 W. Haque, MA, MSc, Ph D
 M.J. Hare, B Com
 G.K. Helleiner, OC, MA, Ph D, FRSC
 S. Howson, MA, Ph D
 J.A. Hynes, ABD
 Y. Kotowitz, BA, Ph D
 A.M. Kruger, BA, Ph D
 G.F. Mathewson, B Com, Ph D
 D.E. Moggridge, MA, Ph D
 J.E. Pesando, MA, Ph D
 K.J. Rea, MA, Ph D
 F.J. Reid, MSc, Ph D
 L.B. Smith, AM, Ph D
 M.H. Watkins, B Com
 A.M. Watson, B Com, MA
 L. Waverman, MA, Ph D
 T.A. Wilson, AM, Ph D, FRSC
 J.W.L. Winder, MA, Ph D

Professor and Chair of the Department

E. Damiano, MA, Ph D

Professor and Associate Chair, Graduate Studies

C. Stewart, MA, M Phil, MSc, Ph D

Associate Professor and Associate Chair, Undergraduate Studies

G. Hamilton, MA, Ph D

University Professor

M. Trebilcock, FRSC, LLM

Professors

V. Aguirregabiria, MSc, Ph D
 V.A. Aivazian, BS, Ph D (University of Toronto Mississauga)
 M. Alexopoulos, MA, Ph D
 M. Baker, MA, Ph D
 H.D. Benjamin, MA, Ph D
 G. Bobonis, BA, Ph D
 L. Brandt, BS, Ph D
 M. Faig, MA, Ph D (University of Toronto Mississauga)
 C. Gourieroux, Ph D
 Y. Halevy, MA, Ph D
 A. Melino, BA, Ph D (University of Toronto Mississauga)
 P. Oreopoulos, MA, Ph D (University of Toronto Mississauga)
 M.J. Osborne, BA, Ph D
 C. Pitchik, MSc, Ph D (University of Toronto Mississauga)
 D. Restuccia, MA, Ph D

X. Shi, MA, Ph D (University of Toronto Mississauga)

A. Siow, BA, Ph D

M. Smart, MA, Ph D

D. Trefler, MA, Ph D

A.J. Yatchew, MA, Ph D

X. Zhu, MS, Ph D (University of Toronto Mississauga)

Associate Professors

M. Burda, MA, Ph D
 R. Deb, MA, M Phil, Ph D (University of Toronto Mississauga)
 M. Duarte, MA, Ph D (University of Toronto Mississauga)
 G. Kambourov, MA, Ph D (University of Toronto Mississauga)
 K. Kroft, MA, Ph D
 B. Kuruscu, MA, Ph D
 E. Malinova, MA, Ph D
 R. McMillan, BA, Ph D (University of Toronto Mississauga)
 J. Mondria, MA, Ph D
 P. Morrow, MA, Ph D
 M. Peski, MA, Ph D
 Y. Wan, MA, Ph D
 R. Wolthoff, MSc, Ph D (University of Toronto Mississauga)

Associate Professors, Teaching Stream

L. Bailey, BA, MA (University of Toronto Mississauga)
 K. Freitas, BSc, Ph D
 R. Gazzale, MA, Ph D
 S.A. Hussain, MA, Ph D
 G. Indart, MA, Ph D
 J. Murdock, M Phil, Ph D
 K. Yu, MA, Ph D (University of Toronto Mississauga)

Assistant Professors

N. Bau, BA, Ph D (University of Toronto Mississauga)
 J. Beauchamp, MA, Ph D
 A. Blouin, MA, Ph D
 M. Celik, BA, Ph D
 P. Cziraki, MSc, M Phil, Ph D
 S. Dynda, MA, Ph D (University of Toronto Mississauga)
 S. Eli, BA, Ph D
 J. Goldman, MSc, Ph D (University of Toronto Mississauga)
 J. Gu, BS, MA, Ph D (University of Toronto Mississauga)
 Y. Halberstam, MA, Ph D
 J. Hall, BA, Ph D
 N. Li, MA, Ph D (University of Toronto Mississauga)
 K. Lim, MA, Ph D
 Y. Luo, MA, Ph D
 I. Mourifié, MSc, Ph D
 S. Ozkan, MA, MSc, Ph D
 D. Price, BS, MA, Ph D (University of Toronto Mississauga)
 E. Souza Rodrigues, MA, MSc, MPhil, Ph D (University of Toronto Mississauga)
 J. Steinberg, BA, Ph D
 X. Tian, MA, Ph D (University of Toronto Mississauga)
 Y. Zhao, BSc, MSc, Ph D (University of Toronto Mississauga)

Assistant Professors, Teaching Stream

P. Blanchenay, MSc, Ph D
 Z. Mahone, MA, Ph D (University of Toronto Mississauga)
 R. McKeown, MA, Ph D
 J. McNeill, MA, Ph D
 T. Yindok, BA, MA, Ph D (University of Toronto Mississauga)
 N. Zammit, MA, Ph D (University of Toronto Mississauga)

Status Only Faculty

A.J. Cohen, Ph D
 G. Georgopoulos, MA, Ph D

Adjunct Associate Professor

D.P. Dungan, MA, Ph D

Sessional Lecturers

M. Anjomshoa, MA, M Phil
 R. Barber, MA, LL.M
 K. Furlong, MA, Ph D
 M.C. Ho, MA, Ph D
 J. Kantarevic, MA, Ph D
 P. Tomlinson, BA, Ph D
 W.G. Wolfson, B Com, MA
 A. Yang, MBA, MS, Ph D
 P.M.V. Yu, MS, Ph D

Introduction

Economics is a social science that encompasses a broad range of human behaviour and has a strong influence on the structure, well-being and development of a society.

Much of human activity is directed towards the satisfaction of material wants. In many areas of the world, the greater part of human effort must be directed towards meeting the most elemental demands for food, clothing, and shelter. Even in technologically advanced societies, where these basic requirements can be met with comparative ease, the desire for more goods and services never appears to be fully satisfied. In consequence, every society - whatever its political orientation - is both competitive and cooperative. It is competitive because its members contend with one another to satisfy their individual wants from a limited supply of productive resources. It is cooperative because the greatest supply of goods is available when the activity of producing them is coordinated and organized. Economics deals with any issue arising out of the conflict between the demand for goods and services, and a limited supply of resources to satisfy those demands.

Undergraduate training in economics is intended to familiarize students with the discipline of economic thinking, to equip them to better understand human behaviour, and for the intelligent appraisal of contemporary economic problems.

Economics makes considerable use of mathematics in its enquiries. All economics programs require at least one course in mathematics.

An undergraduate degree is generally not sufficient to become a professional economist. For this or other reasons, graduate work may be necessary. Students who wish to do graduate work should seek advice from the Department concerning their choice of courses. The Economics Specialist program and the Economics and Mathematics program, with their greater emphasis on mathematics, are designed to prepare students for graduate study, and are an excellent starting place.

Undergraduate Administrator: H. Larizza-Ali / S. Wong (on leave)

Undergraduate Assistant: D. Navarro

Commerce Assistant: J. Fan

Enquiries: 150 St. George Street (416-978-4603)

Regarding Economics Programs

These are limited enrolment programs. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol (please read entry requirements for

each program carefully). Consult the [Arts & Science Program Toolkit](#) for details and instructions.

NOTE: Please read prerequisites and exclusions carefully. Course prerequisites are strictly enforced and are not just "recommended preparation." For all mathematics and statistics course prerequisites, the level of the course is also important. For all third and fourth year economics courses, FULL YEAR intermediate course prerequisites are mandatory: a similar "half course" version is not acceptable. All prerequisites must be fully completed BEFORE a course can be taken. Courses that are prerequisites cannot be taken simultaneously with the courses for which they are a prerequisite (i.e., they are not "co-requisites"). Students from other institutions must show their transcripts to the department if they are using prior courses as prerequisites. The same rules apply.

Economics Programs

Economics & Mathematics Specialist (Science Program) - ASSPE2599

Enrolment Requirements:

The Economics & Mathematics Specialist program is a limited enrolment program. All students who request the program and obtain at least the specified marks in the required courses will be eligible to enrol.

Students interested in the Economics & Mathematics Specialist program apply and enter from either the Economics Major or Mathematics Major program, after having completed the Year 2 requirements of the program as described below. Note that course substitutions may not be used to enter this program.

Entry Requirements (from the Economics or Mathematics Major program):

- A minimum of 70% in ECO206Y1, **and**
- A minimum of 70% in ECO208Y1, **and**
- A minimum of 60% in MAT137Y1/ MAT157Y1.

Completion Requirements:**Program Course Requirements: 13 full courses or their equivalent****First Year (2.0 FCE):**

1. ECO100Y/(ECO101H1, ECO102H1);
2. MAT137Y1/ MAT157Y1

Second Year and Higher (Core Courses, 8.5 FCE):

1. ECO206Y1, ECO208Y1, ECO220Y1/ ECO227Y1/ (STA257H1, STA261H1)
2. CSC108H1/ CSC148H1
3. MAT223H1/ MAT240H1, MAT224H1/ MAT247H1, MAT237Y1/ MAT257Y1, MAT246H1

4. ECO325H1, ECO326H1, ECO375H1
5. MAT337H1/ MAT357H1, APM462H1

Third Year and Higher (Elective Courses, 2.5 FCE):

1. 0.5 300+ ECO course
2. 1.0 400-level ECO course
3. 1.0 300-level or higher MAT (or APM) courses (in addition to APM462H1).

Notes:

1. Students must meet all prerequisites for upper-year math and economics courses, and should choose their sequencing of courses accordingly.
2. CSC108H1/ CSC148H1 may be taken in First Year.
3. MAT223H1/ MAT240H1 may be taken in First Year.
4. ECO475H1 is strongly recommended.
5. STA302H1/ STA303H1 are not accepted in lieu of ECO375H1.
6. Students with MAT157Y1 cannot take MAT246H1 (it is an exclusion). Such students can instead substitute any 300-level MAT or APM course to meet the MAT246H1 requirement.

Economics Specialist (Arts Program) - ASSPE1478

Enrolment Requirements:

The Economics Specialist program is a limited enrolment program. All students who request the program and obtain at least the specified marks in the required courses will be eligible to enrol.

Students interested in the Specialist program apply and enter from the Major program, after having completed the Year 2 requirements of the program as described below. Note that course substitutions may not be used to enter this program.

Entry Requirements (from the Major program):

A minimum of 70% in each course in the trio of intermediate courses:

- ECO206Y1(70%), and
- ECO208Y1(70%), and
- ECO220Y1(70%)/ ECO227Y1(70%)/(STA257H1(70%), STA261H1(70%).

Completion Requirements:

Program Course Requirements: 12 full courses or their equivalent

First Year (2.0 FCE):

1. ECO100Y/(ECO101H1, ECO102H1);
2. (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1

Note: MAT133Y1 is not a suitable substitute for (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1.

Second Year (Core Courses, 3.0 FCE):

- ECO206Y1, ECO208Y1, ECO220Y1/ ECO227Y1/ (STA257H1, STA261H1)

Third Year (Core Courses, 1.5 FCE):

- ECO325H1, ECO326H1, ECO375H1

Third Year and Higher (ECO Electives, 5.5 FCE):

1. 4.5 FCE 300-level ECO or higher
2. 1.0 FCE 400-level ECO

Notes:

1. ECO210H1 is highly recommended, especially for students interested in graduate studies. Students may count ECO210H1 towards the Specialist program in lieu of a 0.5 300-level ECO elective.
2. While 200-level or higher math or statistics courses may complement the Economics Specialist courses, they **cannot** be used as substitutes for economics courses in this program.
3. Students are nevertheless encouraged to take more math if they plan on pursuing graduate studies. Students should especially consider MAT221H1/ MAT223H1/ MAT240H1 (Linear Algebra), MAT235Y1/ MAT237Y1 (Multivariate Calculus), MAT246H1 (Abstract Mathematics), or even consider doing a Minor program in Mathematics.
4. ECO475H1 is strongly recommended.
5. STA302H1/ STA303H1 are not accepted in lieu of ECO375H1.
6. (STA220H1, STA255H1) are not accepted in lieu of ECO220Y1/ ECO227Y1/ (STA257H1, STA261H1).
7. CSC108H1/ CSC148H1 (introductory programming) is strongly recommended for students interested in graduate studies.

Financial Economics Specialist (Science Program) - ASSPE2722

Enrolment Requirements:

This is a limited enrolment program. Students enrolled in this program cannot simultaneously be enrolled in any other Economics specialist, joint specialist, major or minor program in Economics, or in Economic History or in the B.Com program.

This is a Type 2L limited program and so meeting the minimum course marks specified above will not necessarily guarantee admission.

Students interested in the Specialist program apply and enter from the Major program, after having completed the Year 2 requirements of the program as described below.

Entry Requirements (from the Major program):

A minimum of 80% in each course in the trio of intermediate courses:

- ECO206Y1(80%), and
- ECO208Y1(80%), and
- ECO227Y1(80%)/(STA257H1(80%), STA261H1(80%)).

Completion Requirements:

Program Course Requirements: 13 full courses or their equivalent

First Year (2.0 FCE):

1. ECO100Y/(ECO101H1, ECO102H1);
2. (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1

Note: MAT133Y1 is not a suitable substitute for (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1.

Second Year (Core Courses, 3.0 FCE):

- ECO206Y1, ECO208Y1, ECO227Y1/(STA257H1, STA261H1)

Third Year (Core Courses, 2.5 FCE):

1. ECO325H1, ECO326H1, ECO375H1
2. ECO358H1, ECO359H1

Third Year and Higher (Electives, 5.5 FCE, at least 1.0 at the 400-level):

1. 1.0 FCE from ECO349H1, ECO356H1, ECO440H5, ECO456H1, ECO461H1/ECO460H5, ECO462H1/ECO434H5, ECO463H1/ECO463H5, ECO464H1, ECO465H1, ECO475H1
2. 4.5 additional 300+ ECO credits

Notes:

1. Some required courses at upper-year levels may be offered only on the St. George or on the University of Toronto Mississauga campus in any given year. Students registered in this program at either campus may have to attend lectures on the other campus in such cases.
2. MAT221H1/ MAT223H1/ MAT240H1 is recommended as preparation for ECO375H1. Students taking one of these MAT courses can have it count in lieu of a 0.5 300-level ECO credit required for this program.
3. (MAT235Y1/ MAT237Y1)/ ECO210H1 is strongly recommended for this program. Students taking one of these courses can have it count in lieu of 0.5 300-level credit required for this program.
4. ECO475H1 is strongly recommended
5. STA302H1/ STA303H1 are not accepted in lieu of ECO375H1
6. CSC108H1/ CSC148H1 (introductory programming) is strongly recommended for students interested in graduate studies.

Economics Major (Arts Program) - ASMAJ1478

Enrolment Requirements:

This is a limited enrolment program. Students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Required courses and grades for program enrolment:

(ECO101H1 with a final mark of at least 63% and ECO102H1 with a final mark of at least 63%, **or** ECO105Y1 with a final mark of at least 80%), **AND**
MAT133Y1 with a final mark of at least 63%, **or**
(MAT135H1 with a final mark of at least 60% and MAT136H1 with a final mark of at least 60%), **or**
MAT137Y1 with a final mark of at least 55%, **or**
MAT157Y1 with a final mark of at least 55%.

Completion Requirements:

Program Course Requirements: 7 full courses or their equivalent

First Year (2.0 FCE):

1. ECO101H1+ ECO102H1/ECO100Y/ ECO105Y1;
2. MAT133Y1/(MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1

Second Year (Core courses, 3.0 FCE):

1. ECO200Y1/ ECO204Y1/ ECO206Y1,
2. ECO202Y1/ ECO208Y1/ ECO209Y1,
3. ECO220Y1/ ECO227Y1/(STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1)

Third and Higher Years (ECO Electives, 2.0 FCE):

1. 1.5 FCE 300+ series ECO courses
2. At least 0.5 FCE 400 level ECO course

Notes:

1. Eligibility for all Economics programs is based, in part, on attaining a minimum grade in ECO101H1 and ECO102H1 (or ECO105Y1). Students are reminded that in order to achieve the required minimum grade in the above-mentioned courses, they may repeat a specific passed course only once as per Faculty regulations.
2. Students in the Major program considering graduate studies in Economics are advised to take the more mathematical stream courses (ECO206Y1, ECO208Y1), and also some or all of the 300-level advanced micro, macro, and econometrics sequence (ECO325H1, ECO316H1/ ECO326H1, and ECO375H1).
3. Students considering graduate studies in Economics are also encouraged to take more than the minimum amount and level of math. Students should especially consider MAT221H1/ MAT223H1/ MAT240H1 (Linear Algebra), MAT235Y1/ MAT237Y1 (Multivariate Calculus), MAT246H1 (Abstract Mathematics), or even consider doing a Minor program in Mathematics.
4. Students should pay careful attention to the courses they choose to meet the 200-level statistics requirements. The accepted combinations are precisely as stated. In particular, STA237H1+ STA238H1 and STA257H1+ STA261H1 are distinct packages of courses, and the elements cannot be combined any other way.
5. Students combining other programs with Economics need to confirm that their chosen statistics courses meet the requirements of both programs. Besides the combinations noted in descriptions of the ECO programs, the only other accepted combinations for ECO Major program, and course prerequisite conditions, are precisely: STA247H1+ STA248H1.

6. Students in the Major program in Economics cannot be enrolled in the Minor program in Environmental Economics.

Economics Minor (Arts Program) - ASMIN1478

Enrolment Requirements:

(ECO101H1 with a final mark of at least 63% and ECO102H1 with a final mark of at least 63%, or ECO105Y1 with a final mark of at least 80%), **AND**
MAT133Y1 with a final mark of at least 63%, or
(MAT135H1 with a final mark of at least 60% and MAT136H1 with a final mark of at least 60%), or
MAT137Y1 with a final mark of at least 55%, or
MAT157Y1 with a final mark of at least 55%.

Completion Requirements:

Program Course Requirements: 4 full courses or their equivalent

First Year (2.0 FCE):

1. ECO100Y1/ ECO101H1+ ECO102H1/ ECO105Y1;
2. MAT133Y1/(MAT135H1, MAT136H1)/ MAT137Y1/
MAT157Y1

Second Year (Core courses, 1.0 FCE):

- ECO200Y1/ ECO204Y1/ ECO206Y1

Third and Higher Years (ECO Electives, 1.0 FCE):

- 1.0 FCE 300+ series ECO courses

NOTES:

1. Students enrolled in the Minor Program in Economics cannot be enrolled in any other Minor, Major, Specialist or Joint Specialist Economics program;
2. Eligibility for all Economics programs is based, in part, on attaining a minimum grade in ECO101H1 and ECO102H1 (or ECO105Y1). Students are reminded that in order to achieve the required minimum grade in the above-mentioned courses, they may repeat a specific passed course only once as per Faculty regulations.
3. Many 300-level and higher courses in economics **require** ECO220Y1. While not a formal part of the Economics Minor program, students **MUST** meet the specified prerequisites for 300+ economics courses, and should seriously consider taking ECO220Y1.

Economics Courses

ECO101H1 - Principles of Microeconomics

Hours: 24L/12T

An introduction to economic analysis and its applications: price determination, market structure, decision making by individuals and firms, public policy. NOTE: extensive use of graphical and quantitative analysis.

Exclusion: ECO100Y1, ECO105Y1, ECO100Y5, MGEA01H3, MGEA02H3

Recommended Preparation: MCV4U (Calculus & Vectors) and MHF4U (Advanced Functions), or equivalent secondary school mathematics credits

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO102H1 - Principles of Macroeconomics

Hours: 24L/12T

An introduction to economic analysis and its applications from a macroeconomic (economy-wide) perspective. Topics covered include international trade and finance, role of money and the banking system, monetary and fiscal policy. Note: graphical and quantitative analysis are used extensively.

Prerequisite: ECO101H1

Exclusion: ECO100Y1, ECO105Y1, ECO100Y5, MGEA05H3, MGEA06H3

Recommended Preparation: MCV4U (Calculus & Vectors) and MHF4U (Advanced Functions), or equivalent secondary school mathematics credits

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO105Y1 - Principles of Economics for Non-Specialists

Hours: 48L/24T

Fundamentals for consumers, businesses, citizens. Microeconomics focuses on cost/benefit analysis: gains from trade, price coordination, competition/monopoly, efficiency/equity tradeoffs, government/market failures, environmental policies, income/wealth distributions. Macroeconomics focuses on: GDP growth, unemployment, inflation, monetary/fiscal policies, business cycles, exchange rates, government deficits/debt, globalization. Emphasizes economic literacy, fewer mathematical tools than ECO100Y1.

Exclusion: ECO100Y1, ECO101H1, ECO102H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

Other Programs

- Finance & Economics (BCom) - See Rotman Commerce
- Environmental Economics - See School of the Environment

ECO197H1 - Seminar on Classical Economic Thought

Hours: 24L/12T

This seminar examines the basic ideas of the five most notable economic thinkers before 1870: Aristotle, Adam Smith, Thomas Malthus, David Ricardo, and Karl Marx. We focus on demand as the basis of price in Aristotle; the ambiguity in Smith between a labour theory of value and a demand/supply theory of value; the principle of population in Malthus; Ricardo's labour theory of value and his theory of rent and economic growth; and Marx's labour theory of value as the explanation for the development of capital. The understanding in these authors of economics as an historical process of production gives fascinating insights into modern economic development that contrast with the modern economic concentration on the distribution of resources in a world of scarcity. Restricted to newly-admitted first-year students. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO199H1 - Economics and Sustainable, Green Development

Hours: 24L/12T

Economic growth has been a powerful force through history in improving living standards throughout the world. At the same time, there is a growing recognition that environmental damages frequently accompany this growth, whether it be at the local level (soil degradation and deforestation), or the global level (climate change). Economics studies the allocation of scarce resources, but how can it incorporate "the environment" in a meaningful way that can help guide policy-makers in the 21st century? This course is a fast review of economic approach and tools, and a review of a wide range of environmental policies, designed to manage the possible adverse impacts of economic expansions. The major emphasis in this course is on the market-based policies that guarantee incentive compatibility of these policies, thus, a higher chance of success. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO198H1 - Seminar on Modern Economic Thought

Hours: 24L/12T

This seminar examines the development of modern economic thought from the marginal revolutionaries (Jevons and Menger) who proclaimed that demand in the form of utility was the basis of price to the supply/demand analysis of Alfred Marshall that established modern microeconomics by 1890. We then look at Irving Fisher's 1907 foundation of the modern concept of the interest rate and the present value of capital before reviewing J.M. Keynes' 1936 criticism of neo-classical positions on full employment and interest rates in arguing for government manipulation of interest rates to ensure full employment. We finish with Milton Friedman's championing of the unregulated market economy through his quantity theory of money critique of Keynes. Restricted to newly-admitted first-year students. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO200Y1 - Microeconomic Theory

Hours: 48L/24T

Theory of markets and prices. Determination of prices through the interaction of the basic economic units, the household as consumer and as supplier of inputs and the business firm as producer and as employer of inputs. The pricing system as the mechanism by which social decisions and allocation of goods are made in a market economy.

Prerequisite: ECO100Y1(67%)/(ECO101H1(63%), ECO102H1(63%))/ ECO105Y1(80%); MAT133Y1/(MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1

Exclusion: ECO204Y1, ECO206Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO202Y1 - Macroeconomic Theory and Policy

Hours: 48L/24T

Theory of output, employment and the price level; techniques for achieving economic stability; central banking and Canadian financial institutions and markets; foreign exchange markets and the exchange rate. This course is not intended for students enrolled in the BCom program; please see ECO209Y1.

Prerequisite: ECO100Y1(67%)/(ECO101H1(63%), ECO102H1(63%))/ ECO105Y1(80%); MAT133Y1/(MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1

Exclusion: ECO208Y1, ECO209Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO204Y1 - Microeconomic Theory and Applications (for Commerce)

Hours: 48L/24T

The use of microeconomics to analyze a variety of issues from marketing and finance to organizational structure. Consumer preferences and behavior; demand, cost analysis and estimation; allocation of inputs, pricing and firm behavior under perfect and imperfect competition; game theory and public policy, including competition policy. Business cases are used to connect theory and practice and to highlight differences and similarities between economics and accounting, marketing and finance. This course is restricted to students in the Commerce programs.

Prerequisite: ECO100Y1(67%)/(ECO101H1(63%), ECO102H1(63%))/ ECO105Y1(80%); MAT133Y1/(MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1

Exclusion: ECO200Y1, ECO206Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO209Y1 - Macroeconomic Theory and Policy (for Commerce)

Hours: 48L/24T

Macroeconomic issues relevant for commerce students. Analytical tools are used to examine policy issues: Canadian government budgets, Bank of Canada monetary policy, exchange rate policy, foreign trade policy and government regulation of financial intermediaries. This course is restricted to students in the Commerce programs.

Prerequisite: ECO100Y1(67%)/(ECO101H1(63%), ECO102H1(63%))/ ECO105Y1(80%); MAT133Y1/(MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1

Exclusion: ECO202Y1, ECO208Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO206Y1 - Microeconomic Theory

Hours: 48L/24T

This course deals more rigorously and more mathematically with the topics included in ECO200Y1 and is intended primarily for students in certain Economics Specialist programs.

Prerequisite: ECO100Y1(70%)/(ECO101H1(70%), ECO102H1(70%)); MAT133Y1(63%)/(MAT135H1(60%), MAT136H1(60%))/ MAT137Y1(55%)/ MAT157Y1(55%)

Exclusion: ECO200Y1, ECO204Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO210H1 - Mathematical Methods for Economic Theory

Hours: 24L/12T

An introduction to mathematical methods commonly used in economic theory. Topics include unconstrained multivariate optimization, multivariate optimization subject to equality or inequality constraints and differential equations.

Prerequisite: ECO100Y1(67%)/(ECO101H1(63%), ECO102H1(63%))/ ECO105Y1(80%); MAT133Y1(63%)/(MAT135H1(60%), MAT136H1(60%))/ MAT137Y1(55%)/ MAT157Y1(55%)

Corequisite: ECO200Y1/ ECO204Y1/ ECO206Y1

Distribution Requirements: Social Science

ECO208Y1 - Macroeconomic Theory

Hours: 48L/24T

This course deals more rigorously and more mathematically with the topics included in ECO202Y and is intended primarily for students in certain Economics Specialist programs.

Prerequisite: ECO100Y1(70%)/(ECO101H1(70%), ECO102H1(70%)); MAT133Y1(63%)/(MAT135H1(60%), MAT136H1(60%))/ MAT137Y1(55%)/ MAT157Y1(55%)

Exclusion: ECO202Y1, ECO209Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO220Y1 - Introduction to Data Analysis and Applied Econometrics

Hours: 48L/48T

Numerical and graphical data description; data collection and sampling; probability; sampling distributions; statistical inference; hypothesis testing and estimation; simple and multiple regression analysis (extensive coverage). Learn how to analyze data and how to correctly interpret and explain results. Use Excel to analyze a wide variety of data and replicate tables and figures in economics research papers.

Prerequisite: ECO100Y1(67%)/(ECO101H1(63%), ECO102H1(63%))/ ECO105Y1(80%); MAT133Y1/(MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1

Exclusion: GGR270H1, PSY201H1, PSY202H1, SOC300H1, STA220H1, STA221H1, STA247H1, STA248H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3); The Physical and Mathematical Universes (5)

ECO227Y1 - Foundations of Econometrics**Hours:** 48L/24T

A rigorous introduction to probability and mathematical statistics intended for economics specialists. Probability and estimation theory, sampling distributions, hypotheses testing, multiple regression analysis. Students will learn the tools used in economics and finance to model and address randomness and uncertainty.

Prerequisite: ECO100Y1(70%)/(ECO101H1(70%), ECO102H1(70%)); MAT133Y1(63%)/(MAT135H1(60%), MAT136H1(60%))/ MAT137Y1(55%)/ MAT157Y1(55%)

Corequisite: Recommended: MAT223H1/ MAT240H1, MAT235Y1/ MAT237Y1/ ECO210H1

Exclusion: GGR270H1, PSY201H1, SOC300H1, STA247H1, STA248H1, STA255H1, STA257H1, STA261H1

Distribution Requirements: Social Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ECO251H1 - Special Topics in Economics**Hours:** 24L/12T

Courses may be offered in one or more subjects each year. Students must meet the Prerequisites announced by the Department (see the Undergraduate Administrator or the Economics Department website for details).

Prerequisite: TBA

Distribution Requirements: Social Science

ECO252H1 - Special Topics in Economics**Hours:** 24L/12T

Courses may be offered in one or more subjects each year. Students must meet the prerequisites announced by the Department (see the Undergraduate Administrator or the Economics Department website for details).

Prerequisite: TBA

Distribution Requirements: Social Science

ECO299Y1 - Research Opportunity Program**Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

ECO305H1 - Economics of Accounting**Hours:** 24L/12T

The economic impact of accounting rules and practices for firms and financial contracts. Topics include economic models of agency, economics of optimal accounting rules such as government regulation of corporate disclosure and the economic returns to financial reporting. No previous knowledge of accounting is required; the basic language of financial accounting will be covered.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1; ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1)

Exclusion: Not open to students enrolled in Rotman Commerce programs.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO230Y1 - International Economic Institutions and Policy**Hours:** 48L/24T

This course is intended primarily for students in the International Relations and in the Peace & Conflict Studies programs. The key concepts of international trade and finance are reviewed with an eye to understanding contemporary issues and recommending policy initiatives. Attention is given to empirical assessment of alternative trade theories and to broader international relations issues.

Prerequisite: ECO100Y1(67%)/(ECO101H1(63%), ECO102H1(63%))/ ECO105Y1(80%)/enrolment in the International Relations Specialist or Major Programs, or the IR/Peace and Conflict Studies joint Specialist Program

Exclusion: ECO364H1/ ECO365H1/ECO364H5/ECO365H5

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO250Y1 - Special Topics in Economics**Hours:** 48L/24T

Courses may be offered in one or more subjects each year. Students must meet the Prerequisites announced by the Department (see the Undergraduate Administrator or the Economics Department website for details).

Prerequisite: TBA

Distribution Requirements: Social Science

ECO306H1 - American Economic History**Hours:** 24L/12T

A survey of American economic history from the ante-bellum period to the present. Potential topics include the rapid growth of the American economy in the late 19th and early 20th century; causes of the onset of the Great Depression; the economic impact of slavery and its aftermath; health and demographic trends; and 20th century trends in inequality.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1; ECO202Y1/ ECO208Y1/ ECO209Y1; ECO220Y1/ ECO227Y1/(STA220H1, STA255H1)/(STA237H1, STA238H1)/(STA257H1, STA261H1)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO314H1 - Energy and the Environment**Hours:** 24L/12T

This course surveys important features of energy markets and related environmental challenges. One of the central objectives is to provide an understanding of the key economic tools needed to analyse these markets. A related objective is the development of a framework for understanding the public discourse on energy and the environment. Topics include the hydrocarbon economy (oil, natural gas and coal), electricity markets, global warming and other externalities, renewable energy, conservation, carbon taxes and 'cap-and-trade'.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1, ECO220Y1/ ECO227Y1/(STA220H1, STA255H1)/(STA257H1, STA261H1)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO310H1 - Empirical Industrial Organization**Hours:** 24L/12T

The quantitative analysis of firms' strategies in real-world industries, using tools from applied microeconomics and statistics. Topics include studies of monopoly, oligopoly, imperfect competition, and the estimation of demand and cost functions that underpin these markets.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1, ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO316H1 - Applied Game Theory**Hours:** 24L/12T

Focuses on the core ideas and concepts of game theory and on applications of them in economics and other social sciences. Topics may include oligopoly, electoral competition, the theory of public goods, voting theory, the free rider problem, repeated interaction, bargaining, evolutionary equilibrium, matching and auctions.

Note: This course cannot be taken as a substitute in programs that require ECO326H1.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1

Exclusion: ECO326H1, ECO326H5

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO313H1 - Environmental Economics and Policies**Hours:** 24L/12T

This course demonstrates how a rigorous application of microeconomic techniques can inform our responses to various environmental problems. Topics may include: air and water pollution and renewable resource management.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1, ECO220Y1/ ECO227Y1/(STA220H1, STA255H1)/(STA237H1, STA238H1)/(STA257H1, STA261H1)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO320H1 - Economic Analysis of Law**Hours:** 24L/12T

The practical application of microeconomic theory to common legal problems: torts, contracts, property and crime, and the limitations of economic analysis. No previous familiarity with the law is assumed. (This is an economic analysis of legal issues, not a course in law.)

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO321H1 - Canadian Economic History prior to 1850

Hours: 24L/12T

This course applies the tools of economics - theoretical and empirical - to study Canada's historical growth experiences. Topics include: The variation in well-being among indigenous peoples (both pre and post contact), migration and indentured servitude, colonial money, child labour and education, and the rise of factories. The impact of colonial institutions on Canada's economic success is studied in a comparative context.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1

Exclusion: ECO323Y5, ECO322Y5

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO325H1 - Advanced Economic Theory - Macro

Hours: 24L/12T

A development of the microeconomic foundations of macroeconomic theory to expand students analytic skills by constructing and solving macroeconomic models. Topics may include: dynamic choice, neoclassical growth theory, uncertainty and rational expectations, business cycles, as well as fiscal and monetary policy.

Prerequisite: ECO208Y1/ ECO202Y1(70%)/ ECO209Y1, ECO220Y1(70%)/ ECO227Y1/ (STA220H1(70%), STA255H1(70%))/ (STA237H1(70%), STA238H1(70%))/ (STA257H1, STA261H1)

Recommended Preparation: MAT235Y1/ MAT237Y1/ ECO210H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO322H1 - Canadian Economic History, 1850-1960

Hours: 24L/12T

Canadian economic history between 1850 and 1960, with a focus on the debate over the ability of the market mechanism to optimize economic development. Topics covered include tariff policies, Confederation, the transcontinental railroad, opening the West, the Great Depression, monetary policy and the Bank of Canada, regional growth and dominion-provincial relations.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1

Exclusion: ECO323Y5, ECO322Y5

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO326H1 - Advanced Microeconomics - Game Theory

Hours: 24L/12T

Game theory and applications. Topics include: strategic and extensive games, with applications to economics.

Prerequisite: ECO200Y1(70%)/ ECO204Y1/ ECO206Y1, ECO220Y1(70%)/ ECO227Y1/ (STA220H1(70%), STA255H1(70%))/ (STA237H1(70%), STA238H1(70%))/ (STA257H1, STA261H1)

Exclusion: ECO316H1, ECO326H5

Recommended Preparation: MAT235Y1/ MAT237Y1/ ECO210H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO324H1 - Economic Development

Hours: 24L/12T

This course critically analyzes issues related to economic development and the associated policy responses. Tools from micro and macroeconomic theory are employed, as well as the critical assessment of empirical evidence. Topics may include education, health, credit markets, inequality, and the role of foreign aid.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1, ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1)

Exclusion: ECO324Y1, ECO324Y5

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO331H1 - Behavioural and Experimental Economics

Hours: 24L/12T

Ample empirical and experimental evidence suggests significant departures from classical assumptions of economic behaviour. For example, humans are neither always perfectly rational nor always self interested. This course describes systematic ways in which behaviour deviates from neoclassical assumptions, generating new, and hopefully more realistic behavioural assumptions that have broad empirical, theoretical and policy implications.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1, ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO332H1 - Economics of the Family

Hours: 24L/24T

A use of microeconomics to study the behaviour of the family, including marriage, divorce, intra-family allocations, investment in children and gender roles.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1; ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO336H1 - Public Economics

Hours: 24L/12T

Theory of taxation and public goods, and quantitative methods for program evaluation. Additional topics include taxation and income distribution; environmental policy; and the political economy of government policy.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1; ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1)

Exclusion: ECO336Y1, ECO337H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO333H1 - Urban Economics

Hours: 24L/12T

Spatial economic theory and urban public policy: firms and individuals in partial and general equilibrium, land development and land-use controls, urban transportation, efficiency and equity in spending and taxing.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO337H1 - Public Economics (for Commerce)

Hours: 24L/12T

An introduction to the economics of government similar to ECO336H1, but with greater focus on issues in business and financial economics. Additional topics include business tax planning and corporate financial policy; taxation of saving and risk-taking; and government business enterprises.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1; ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1)

Exclusion: ECO336Y1, ECO336H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO334H1 - The Political Economy of Media

Hours: 24L/12T

Tools are developed to analyze voters and the role of information in democracies. Theories of voter information are evaluated using empirical literature on media and the political economy of media. The effects of innovations in information technology are explored and we will evaluate how the empirical results square with the theory. A study of newspapers, radio, television, cable, the Internet and social media, with a focus on empirical methods used to identify effects of media on voters.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1; ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO338H1 - Economics of Careers

Hours: 24L/12T

The economic analysis of careers from the perspectives of both workers and employers: How do people decide what to study, what careers to pursue, and when to change jobs? How do these decisions interact with the structure of firms? The impact of specialization and the division of labor on the evolution of careers is considered, as are the role of cognitive and communication skills in the labor market.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1; ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO339H1 - Labour Economics: Employment, Wages and Public Policy

Hours: 24L/12T

Using tools from microeconomic theory and statistics, this course introduces students to the study of labour markets, focusing on employment and wage determination, and the application of labour economics to public policy. Topics may include: Labour supply, labour demand, estimating the impact of welfare programs, minimum wages, and other labour market interventions.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1; ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1)

Exclusion: ECO339Y1, ECO343H5, ECO344H5

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO342H1 - Twentieth Century Economic History: Institutions, Growth and Inequality

Hours: 24L/12T

Tailored to advanced students in Economics, Commerce, International Relations and History. The focus is on institutions, growth and inequality in countries across the world.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1/ (ECO230Y1, POL208Y1)

Exclusion: ECO342Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO349H1 - Money, Banking and Financial Markets

Hours: 24L/12T

This course studies the interaction of the monetary and banking sectors with financial markets and the broader economy. It builds especially on tools developed in intermediate macroeconomics, but also focuses on the institutional structure of the Canadian monetary sector, including the role and operation of the Bank of Canada.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1, ECO202Y1/ ECO208Y1/ ECO209Y1, ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1)

Exclusion: ECO348H5/ECO349H5

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO350Y1 - Special Topics in Economics

Hours: 48L/24T

Courses may be offered in one or more subjects each year. Students must meet the prerequisites announced by the Department (see the Undergraduate Administrator or the Economics Department website for details).

Prerequisite: TBA

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO341H1 - The Economic History of the 20th Century: Trade, Migration, Money and Finance before 1945

Hours: 24L/12T

Tailored to advanced students in Economics, Commerce, International Relations and History. The focus is on growth and fluctuations in Europe and North America between roughly 1870 and 1939, with a particular emphasis on international trade and payments, migration, investment, and monetary arrangements.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1/ (ECO230Y1, POL208Y1)

Exclusion: ECO342Y1/ECO303H5

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO351H1 - Special Topics in Economics**Hours:** 24L/12T

Courses may be offered in one or more subjects each year. Students must meet the prerequisites announced by the Economics Department (see the Undergraduate Administrator or the Economics Department website for details).

Prerequisite: TBA**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**ECO358H1 - Financial Economics I****Hours:** 24L/12T

An introduction to economics of financial assets and financial markets. Topics: inter-temporal choice, expected utility theory, security valuation, selected asset pricing models, market efficiency, and the term structure of interest rates - essential materials for an understanding of the role and operation of financial markets.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1, ECO220Y1/ ECO227Y1/(STA220H1, STA255H1)/(STA237H1, STA238H1)/(STA257H1, STA261H1)**Exclusion:** ACT349H1, RSM332H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**ECO352H1 - Special Topics in Economics****Hours:** 24L/12T

Courses may be offered in one or more subjects each year. Students must meet the prerequisites announced by the Department (see the Undergraduate Administrator or the Economics Department website for details).

Prerequisite: TBA**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**ECO359H1 - Financial Economics II: Corporate Finance****Hours:** 24L/12T

Agency and incomplete information problems inherent in financial transactions; the role of contractual arrangements in overcoming them. Financial constraints on investment decisions of firms; the financial system in economic growth; the legal system in the functioning of financial markets. A look at theoretical and empirical literature covering these issues.

Prerequisite: ECO358H1**Exclusion:** ACT349H1, RSM333H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**ECO356H1 - Special Topics in Financial Economics****Hours:** 24L/12T

Courses may be offered in one or more subjects each year. Students must meet the prerequisites announced by the Department (see the Undergraduate Administrator or the Economics Department website for details).

Prerequisite: TBA**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**ECO362H1 - Economic Growth****Hours:** 24L/12T

The course considers a broad range of issues that underlie economic growth, including technical progress and the accumulation of human and physical capital. Beyond these factors, the course also investigates the efficiency with which capital is used, the role of foreign trade, and the possible roles of institutions and geography.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1, ECO202Y1/ ECO208Y1/ ECO209Y1, ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1)**Exclusion:** ECO362H5**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)

ECO364H1 - International Trade Theory

Hours: 24L/12T

An examination of the causes and consequences of international trade. The first half develops traditional models of comparative advantage, with the second half examines more recent theoretical and empirical work on trade & wages, the political economy of trade, outsourcing, and firm heterogeneity.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1, ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1)

Exclusion: ECO230Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO369H1 - Health Economics

Hours: 24L/12T

The provision of health care provides many special problems of informational asymmetry, regulation, insurance and redistribution. A consideration of the demand and supply side problems. Alternative reform proposals for health care are explored.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1, ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO365H1 - International Monetary Economics

Hours: 24L/12T

Introduction to open economy macroeconomics and international finance. The core objective of the course is to develop macroeconomic models of open economies that can be applied towards gaining an understanding of recent events such as US deficits, financial crises, China's exchange rate policy and the Euro.

Prerequisite: ECO202Y1/ ECO208Y1/ ECO209Y1

Exclusion: ECO230Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO372H1 - Data Analysis and Applied Econometrics in Practice

Hours: 24L/12T

How multiple regression can be used to answer causal questions. Implications of, and how to interpret different model specifications and identification strategies. Students will read, critically evaluate and replicate existing research, and conduct their own original analyses. Statistical software STATA or R will be used.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1; ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1)

Exclusion: ECO351H1 (2016-2017)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO368H1 - Economics of Conflict

Hours: 24L/12T

This course explores the links between violent conflict and socioeconomic development. It focuses on micro-level processes leading to conflict, and how conflict and political violence affect people's lives at the household and community levels. It also examines how these processes are linked to wider political and economic issues including governance and the role of institutions. Tools from economic theory are applied alongside country-specific and cross-country empirical evidence.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1, ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1) Note: Students with ECO100Y1(67%)/(ECO101H1(63%), ECO102H1(63%))/ ECO105Y1(80%), plus a full-year of quantitative methods/statistics (e.g., POL242Y1), and who are enrolled in the International Relations or Peace, Conflict and Justice Major or Specialist programs may take this course with Permission of the Instructor.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO374H1 - Forecasting and Time Series Econometrics

Hours: 24L/12T

An introduction to econometrics similar to ECO375H1, with greater focus on applications drawn from business and financial economics. The course is built around the statistical foundations and economic applications of the multiple regression model. Using statistical software, students will also learn how to conduct, present, and critique empirical research.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1, ECO220Y1(70%)/ ECO227Y1/(STA237H1(70%), STA238H1(70%))/(STA257H1, STA261H1)

Recommended Preparation: MAT221H1/ MAT223H1/ MAT240H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO375H1 - Applied Econometrics I**Hours:** 24L/12T

Introduction to econometrics. Statistical foundations and the interpretation of multiple regression models, with an emphasis on cross-sectional data. Application of regressions to a wide variety of economic questions and data sources, including the use of statistical software. Problems in the identification of causality, and an introduction to methods of addressing common statistical issues

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1, ECO220Y1(70%)/(STA237H1(70%), STA238H1(70%))/ ECO227Y1/(STA257H1, STA261H1)

Exclusion: ECO327Y5, ECO375H5

Recommended Preparation: MAT221H1/ MAT223H1/ MAT240H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO398H0 - Research Excursions**Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

ECO398Y0 - Research Excursions**Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

ECO399Y1 - Research Opportunity Program**Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

ECO401H1 - Topics in Economic Policy**Hours:** 24L/12T

This course covers basic issues in the theoretical and empirical evaluation of public policy. Sample topics include income redistribution through taxation and the provision of social insurance and public goods, the mitigation of externalities, and welfare analysis in behavioral models.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1; ECO220Y1/ ECO227Y1/ ECO220H1, STA255H1)/(STA237H1, STA238H1)/(STA257H1, STA261H1); at least one FCE in ECO at the 300 level or higher.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO381H1 - Personnel Economics**Hours:** 24L/12T

An examination of selected material on compensation and incentives in organizations. Topics include recruitment and hiring, training, turnover, downsizing, motivating workers, teams, allocating authority and task assignment.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1; ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1)

Exclusion: ECO370Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO402H1 - Topics in Health Economics

Hours: 24L/12T

This course explores a variety of topics in health economics, providing students with an overview of current and historical institutional characteristics of the market for, and public policy towards, health care. Students will apply theoretical and empirical tools to current domestic and international issues in health policy. No previous background in health economics is required.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1; ECO202Y1/ ECO208Y1/ ECO209Y1; ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1); at least one FCE in ECO at the 300 level or higher.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO403H1 - Topics in Development Economics and Policy

Hours: 24L/12T

This course covers a variety of topics pertaining to economic development and associated policies. Depending on the course instructor, the focus may be on theories and policies related to poverty alleviation, human capital formation, financial markets, international trade, governance or economic growth.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1; ECO202Y1/ ECO208Y1/ ECO209Y1; ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1); at least one FCE in ECO at the 300 level or higher.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO404H1 - Topics in Managerial Economics

Hours: 24L/12T

Applies quantitative economic methods to real world business-oriented cases. Sample topics include: New product design, Decision making under uncertainty, Market segmentation and price discrimination, Inventory analysis, Game theoretic analysis of price wars, Financial portfolio design, and optimal pricing. Involves substantial modeling in Excel, regression analysis, optimization methods, and financial reports.

Prerequisite: ECO200Y1(75%)/ ECO204Y1/ ECO206Y1; ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1); ECO372H1/ ECO374H1/ ECO375H1; at least one FCE in ECO at the 300 level or higher.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO406H1 - Developmental Macroeconomics

Hours: 24L/12T

This course studies a growth model applicable to both middle-income developing countries and resource-rich developed countries. Special attention is paid to causes of cyclical currency overvaluation, particularly Dutch disease and excessive capital inflows.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1; ECO202Y1/ ECO208Y1/ ECO209Y1; ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1); at least one FCE in ECO at the 300 level or higher.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO407H1 - Competing Views in Macroeconomic Theory and Policy

Hours: 24L/24T

Provides students with a systematic analysis of competing perspectives on key areas of macroeconomic theory and policy. Special attention paid to competing views regarding key fiscal, monetary, and trade policy issues as applied to Canada.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1; ECO202Y1/ ECO208Y1/ ECO209Y1; ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1); at least one FCE in ECO at the 300 level or higher.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO408H1 - The Economics of Life: A Historical Perspective

Hours: 24L/12T

Demographic economic history within a North American context. Topics include changes over time in marriage markets, fertility, mortality and stature. The impact of property rights within marriage, illegitimacy, the decline of fertility in the nineteenth century and the puzzling inter-temporal divergence between height and wealth during the early nineteenth century.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1; ECO202Y1/ ECO208Y1/ ECO209Y1; ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1); at least one FCE in ECO at the 300 level or higher.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO409H1 - Topics in Money, Banking, and Finance

Hours: 24L/12T

This course examines the foundations of money and financial institutions using tools mastered in micro and macroeconomics. The goal is a set of principles valid for the analysis of monetary policy and institutional regulation in a variety of real world settings.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1; ECO202Y1/ ECO208Y1/ ECO209Y1; ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1); at least one FCE in ECO at the 300 level or higher.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO410H1 - Mergers and Competition Policy

Hours: 24L/24T

A combined theoretical, empirical and policy approach to mergers amongst competitors (horizontal mergers). Uses microeconomic models including game theory and econometrics. Delves into recent/current matters assessed by antitrust authorities domestically and/or internationally with applications to specific industries.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1, ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1), at least 1.0 ECO FCE at the 300+ level or higher

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO414H1 - Energy and Regulation

Hours: 24L/12T

This course provides a general treatment of the economics of energy markets and the use of regulation in addressing environmental and other issues arising in these markets. A central theme is the search for an appropriate balance between market forces and regulatory/government intervention. Familiarity with tools of microeconomics and statistics/econometrics is essential. Topics include oil, natural gas, coal and electricity markets, global warming and other externalities, networks, feed-in-tariffs, carbon taxes, 'cap-and-trade' and incentive regulation.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1, ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO416H1 - Macroeconometric Models for Policy Analysis and Forecasting

Hours: 24L/12T

The construction and operation of macroeconometric models. The use of models for conducting policy simulations and for generating quantitative forecasts of economic activity.

Prerequisite: ECO325H1, ECO374H1/ ECO375H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO417H1 - Economic Development Policy: Community Engaged Learning

Hours: 12L/12T/12P

An examination of the causes and consequence of poverty in developing countries with a microeconomic focus, and how it relates to poverty in the developed world, using a 30-hour service placement at a community organization. Importance of community and context specific factors in policy implementation; learn how local organizations have responded. Use of reflection assignments, papers, group work and class discussions to relate to course concepts. Topics include poverty traps, health, education, and credit. An application to the instructor is necessary. Not available for CR/NCR option.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1; ECO202Y1/ ECO208Y1/ ECO209Y1; ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO418H1 - Empirical Applications of Economic Theory

Hours: 24L/12T

Topics class in applied econometrics, emphasizing empirical industrial organization. Emphasis on a balanced treatment of theory and econometric techniques used in empirical research in industrial organization (the study of firms and markets). How firms behave, how market equilibriums arise and how economic policies are used to affect market equilibriums.

Prerequisite: ECO374H1/ ECO375H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO419H1 - International Macroeconomics

Hours: 24L/12T

This course studies the causes and consequences of international borrowing and lending and exchange rate fluctuations. We will discuss key empirical facts about these phenomena, develop economic models to understand the forces that drive them, and apply the models to gain insights about a variety of historical contexts like China's rapid economic development and the recent sovereign debt crises in the Eurozone periphery.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1, ECO202Y1/ ECO208Y1/ ECO209Y1, ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO422H1 - Special Topics in Economics

Hours: 24S

Seminars or workshops may be offered in one or more subjects each year. Students must meet the prerequisites announced by the Department. (See the Undergraduate Administrator or the Economics department website for details.)

Prerequisite: TBA, permission of instructor

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO420Y1 - Special Topics in Economics

Hours: 48S

Seminars or workshops may be offered in one or more subjects each year. Students must meet the Prerequisites announced by the Department. (See the Undergraduate Administrator or the Economics department website for details.)

Prerequisite: TBA, permission of instructor

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO423H1 - Economics and Biosocial Data

Hours: 24L/12T

This course introduces and critically assesses economic research that uses genetic, neuroscientific, and other biosocial data. We will address questions such as: What are the effects of brain neurochemistry on economic decision-making? What role do nature and nurture play in economic behaviour and outcomes? What can we learn from genoeconomics? What are the policy implications (or lack thereof) of related findings? No previous background in biology or genetics is required.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1; ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1); at least 1.0 ECO FCE at the 300+ level

Exclusion: ECO422H1 (Special Topics in Economics: Biology, Genetics and Economics), offered in Winter 2017

Recommended Preparation: ECO374H1/ ECO375H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO421H1 - Special Topics in Economics

Hours: 24S

Seminars or workshops may be offered in one or more subjects each year. Students must meet the Prerequisites announced by the Department. (See the Undergraduate Administrator or the Economics Department website for details.)

Prerequisite: TBA; permission of instructor

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO425H1 - Business Cycles

Hours: 24L/12T

This course builds on material covered in ECO208Y1. Students will learn how to use business cycle models to better understand key empirical features of the macroeconomy. Topics covered include the financial crisis, monetary policy, fiscal policy, theories of unemployment, and the effects of innovation on economic fluctuations, the Great Depression and the Financial Crisis.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1, ECO202Y1/ ECO208Y1/ ECO209Y1, ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1), at least 1.0 ECO FCE at the 300+ level

Corequisite: ECO374H1/ ECO375H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO426H1 - Market Design

Hours: 24L/12T

This course presents the theory and practice of market design, including matching markets and auctions. Sample topics include school choice, kidney exchange, spectrum auctions, and keyword auctions.

Prerequisite: ECO316H1(70%)/ ECO326H1(60%)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO429H1 - Economic Thought after 1870

Hours: 24L/12T

Economic analysis between 1870 and 1960, from the foundations of microeconomics by the Marginal Utility theorists of the 1870s (Jevons, Menger, and Walras), Alfred Marshall in the 1890s, and the capital theorists Bohm-Bawerk and Fisher in the early 1900s, to the Keynesian revolution in macroeconomics in the 1930s and Friedman's counter-revolution in the 1950s.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1; ECO202Y1/ ECO208Y1/ ECO209Y1

Exclusion: ECO322Y5, ECO429Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO427H1 - Economics of Information

Previous Course Number: ECO421H1

Hours: 24L/12T

This course examines the role and the use of information in strategic situations. The class will expand on the material covered in game theory classes and illustrate it with applications. Topics include communication, signalling, building reputations, adverse selection, etc.

Prerequisite: ECO316H1(60%)/ ECO326H1

Exclusion: ECO421H1 (Special Topics in Economics: Economics of Information), offered in Winter 2018

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO430Y1 - Reading Course or Thesis

Hours: TBA

Intended for advanced Specialist students who have exhausted course offerings in a particular area. Open only when a faculty member is available and willing to supervise. Students must obtain the approval of the Associate Chair for Undergraduate Studies before enrolling. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO428H1 - Classical Economic Thought

Hours: 24L/12T

An examination of the price, distribution, and growth theories of major economic thinkers before 1870, from pre-classical contributions by Aristotle, Mercantilists, and Physiocrats to the classical authors Adam Smith, David Ricardo, T.R. Malthus, and Karl Marx.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1; ECO202Y1/ ECO208Y1/ ECO209Y1

Exclusion: ECO322Y5, ECO429Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO431H1 - Reading Course or Thesis

Hours: TBA

Intended for advanced Specialist students who have exhausted course offerings in a particular area. Open only when a faculty member is available and willing to supervise. Students must obtain the approval of the Associate Chair for Undergraduate Studies before enrolling. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO432H1 - Topics in Economics of the Family

Hours: 24L/12T

Economics bring an analytic and quantitative approach to the study of the family. The course will discuss analytic and empirical models of family behaviour, including nature versus nurture, parental investments, quantity and quality tradeoff in children, marital matching, resource allocation within the household, and gender roles.

Prerequisite: ECO204Y1/ ECO206Y1, ECO326H1, ECO374H1/ ECO375H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO435H1 - The Economics of Modern China

Hours: 24L/12T

A focus on post-1949 Chinese economy, and the PRCs economic legacy. Economic development during the Maoist period, particularly post-1979 reforms. China's experience is compared to Eastern Europe's and the role of China in the rapidly growing East Asian economy. This is a limited enrolment seminar requiring extensive reading.

Prerequisite: ECO200Y1(70%)/ ECO204Y1(70%)/ ECO206Y1(70%); ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO433H1 - The Economics of Cities and Regions

Hours: 24L/12T

Broad introduction to modern regional and urban economics. In the first part, we study how and why cities grow and develop. In the second part, we explore how cities interact and why they differ in size and perform different activities. The last part looks at regional development and attempts to understand the determinants of regional inequalities.

Corequisite: ECO374H1/ ECO375H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO436H1 - Advanced Economics of Money and Banking

Hours: 24L/12T

This course will introduce formal models of money and banking in the dynamic general equilibrium framework. Students will learn how to solve these models, and how to use them to better understand key empirical features of the macroeconomy.

Prerequisite: ECO325H1(70%)/ ECO326H1(70%), ECO374H1(70%)/ ECO375H1(70%)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO434H1 - Topics in Political Economy

Hours: 24L/12T

This course surveys recent advances in political economy, emphasizing the critical evaluation of empirical evidence pertaining to political economic theories. Topics vary by year, but may include voters and electoral competition, and the political economy of media and political agency.

Prerequisite: ECO316H1/ ECO326H1/, ECO374H1/ ECO375H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO437H1 - Quantitative Macroeconomics

Hours: 24L/12T

In order to capture the complexity of economic behavior and interactions, especially with a significant time dimension, modern models of the macroeconomy make considerable use of computer simulation. This course teaches students both how to develop the economic models, and how to solve and work with them computationally.

Prerequisite: ECO325H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO438H1 - Topics in Behavioural Economics

Previous Course Number: ECO422H1

Hours: 24L/12T

Behavioural Economics is a relatively new field that incorporates insights gained from psychological, experimental and neuroscientific studies. Research methods adapted from behavioural economics are now being employed in virtually every field in economics. The course will cover the main themes in behavioural economics: individual choices under risk and uncertainty, reference-dependent choices, intertemporal preferences, other-regarding preferences, bounded rationality in individual and interactive decision-making, and the measurement of rationality and recovery of preferences.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1; ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1); at least one FCE in ECO at the 300 level or higher.

Exclusion: ECO422H1 (Special Topics in Economics: Topics in Behavioural Economics), offered in Winter 2018 and Winter 2019

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO446H1 - Advanced Public Economics

Hours: 24L/12T

Advanced topics in public economics and economic analysis of Canadian public policy. Through a mix of lectures and independent research, students will acquire theoretical and empirical tools for public policy analysis. Topics may include: income inequality and redistribution; fiscal federalism; taxation of corporate profits; and policies to deal with public goods and externalities.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1; ECO220Y1/ ECO227Y1/ (STA237H1, STA238H1)/ (STA257H1, STA261H1); at least one FCE in ECO at the 300 level or higher.

Exclusion: ECO336Y1

Recommended Preparation: ECO372H1/ ECO374H1/ ECO375H1 (familiarity with STATA)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO451H1 - Macroeconomic Growth

Hours: 24L/12T

Studies current empirical evidence, and corresponding theoretical models to explain and understand macroeconomic growth, and its varied experience across countries. Coverage and depth of treatment go beyond ECO362H1. Students may benefit from, but need not have taken ECO362H1.

Prerequisite: ECO325H1(60%), ECO374H1(60%)/ ECO375H1(60%)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO456H1 - Special Topics in Financial Economics

Hours: 24L/12T

Courses may be offered in one or more subjects each year. Students must meet the prerequisites announced by the Department (see the Undergraduate Administrator or the Economics Department website for details).

Prerequisite: TBA

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO439H1 - Empirical Methods in Microeconomics

Hours: 24L/12T

This course studies the methods used in modern program evaluation and micro-econometrics to identify causal effects in the presence of potentially unobserved confounding factors. Covers a range of methods and designs, both experimental and quasi-experimental. There is a heavy emphasis on the application of these methods to a broad range of economic questions.

Prerequisite: (ECO375H1(60%)/ ECO374H1(70%)) OR (ECO200Y1(80%)/ ECO204Y1(80%)/ ECO206Y1(80%), (ECO220Y1(80%)/ ECO227Y1(80%))

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO459H1 - International Trade Regulation

Hours: 24L

The theory and political economy of international trade, with examination of specific trade institutions: Bretton Woods, WTO, NAFTA, tariff administration, most-favoured nation treatment, antidumping regulation, subsidies and countervailing duties, agriculture, trade in services, trade-related intellectual property, trade and environment, trade and developing countries.

Prerequisite: ECO364H1, ECO365H1, permission of the instructor

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO463H1 - Financial Market Innovation

Hours: 24L/12T

A research-oriented course that explores the impact of technological developments on the industrial organization of financial markets. Topics include the impact of the automated financial products and procedures (e.g., algorithmic trading and robo-advising) on the price formation process, the economic impact of new tools and technologies (e.g., blockchain, digital currencies, and predictive analytics such as machine learning), the emergence of alternative financing methods such as crowdfunding and peer-to-peer lending.

Prerequisite: ECO200Y1(70%)/ ECO204Y1(60%)/
ECO206Y1(60%), ECO374H1(70%)/ ECO375H1(70%)/ CSC321H1/
CSC411H1

Exclusion: ECO463H5

Recommended Preparation: ECO358H1/ RSM330H1/ RSM332H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO461H1 - The Economics of Financial Risk Management

Hours: 24L/12T

This course is intended primarily for students in the Financial Economics specialist program and is not open to students in the BCom program. The role of risk management in both private and public sectors, a discussion of why firms and government should hedge financial risks; individual and social gains of financial risk management; identification and quantification of financial risks (including Value-at-Risk measures); how derivative securities can be used for financial risk management.

Prerequisite: ECO358H1(70%)

Exclusion: ACT349H1, RSM332H1, RSM333H1, RSM435H1,
ECO460H5, ECO461H5

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO464H1 - Empirical Financial Economics

Hours: 24L/12T

The course develops the tools used in empirical research in financial economics. Coverage may include discrete choice models, duration models, instrumental variables, differences-in-differences, regression discontinuity, propensity score estimators, sample selection models and cumulative abnormal return calculation. Topics are drawn from ownership structure, mergers and acquisitions, capital structure, payout policy, CEOs' effect on the firm, executive compensation, insider trading, shareholder activism, and bank financing.

Prerequisite: ECO358H1(70%)/ RSM330H1(70%),
ECO374H1(70%)/

ECO375H1(70%)/ECO375H5(70%)/ECO327Y5(70%)

Recommended Preparation: ECO359H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO462H1 - Financial Econometrics

Hours: 24L/12T

This course is intended primarily for students in the Financial Economics specialist program. An introduction to the econometrics used in empirical finance, with an emphasis on estimation and inference using computer based applications. Topics will include parametric and nonparametric models of volatility, evaluation of asset pricing theories and models for risk management and transactions data.

Prerequisite: ECO358H1(70%),

ECO375H1(70%)/ECO375H5(70%)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO465H1 - International Finance

Hours: 24L/12T

An advanced course that addresses topics in international finance and macroeconomics. Potential topics include: foreign exchange market; exchange rate determination; empirical models of exchange rates; international financial markets and uncertainty; international CAPM and home bias; sovereign debt; optimal capital controls.

Prerequisite: One of the following: ECO365H1 (80%); or
(ECO325H1 (60%) + ECO374H1 (60%)); or (ECO325H1 (60%) +
ECO375H1(60%))

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO466H1 - Empirical Macroeconomics and Policy

Hours: 24L/12T

This course builds on material covered in ECO208Y1, ECO325H1, and ECO374H1/ECO375H1. Students will increase their data literacy and learn to apply techniques to address policy issues. Topics covered: how monetary policy is conducted, ways in which central banks use general equilibrium models and basic techniques for predicting key macroeconomic variables. Students will follow current global issues and forecast how domestic and international events may alter the Bank of Canada's monetary policy in the short run.

Prerequisite: ECO208Y1(70%)/ ECO209Y1(70%)/ ECO202Y1(75%)/ ECO325H1(70%), ECO374H1(70%)/ ECO375H1(70%)
Recommended Preparation: ECO325H1, ECO425H1, ECO475H1
Breadth Requirements: Society and its Institutions (3)

ECO475H1 - Applied Econometrics II

Previous Course Number: ECO376H1

Hours: 24L/12T

A research-oriented course continuing from ECO375H. The regression model is extended in several possible directions: time series analysis; panel data techniques; instrumental variables; simultaneous equations; limited dependent variables. Students will complete a major empirical term paper, applying the tools of econometrics to a topic chosen by the student.

Prerequisite: ECO375H1(70%)/ ECO374H1(80%), NOTE:
 STA302H1 is not accepted preparation.
Exclusion: ECO376H1, ECO327Y5
Distribution Requirements: Social Science
Breadth Requirements: Society and its Institutions (3)

ECO499H1 - Honours Essay in Applied Microeconomics

Hours: 24L/12T

Students will complete an original research paper on a topic of their choosing. Topic must be microeconomic and applied, meaning all papers will involve data and quantitative (regression) analysis.

Prerequisite: ECO200Y1/ ECO204Y1/ ECO206Y1; ECO202Y1/ ECO208Y1/ ECO209Y1; ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/ (STA237H1, STA238H1)/ (STA257H1, STA261H1); ECO372H1/ ECO374H1/ ECO375H1; 3.0 GPA in economics courses; approval of the Associate Chair, Undergraduate
Recommended Preparation: ECO374H1/ ECO375H1 and ECO372H1
Distribution Requirements: Social Science
Breadth Requirements: Society and its Institutions (3)

English

Faculty List

University Professors Emeriti

J.E. Chamberlin, Ph D, FRSC (N)
 R. Frank, MA, Ph D, FRSC (U)
 L.A. Hutcheon, MA, Ph D, FRSC (N)
 M. Millgate, MA, Ph D, FRSC

Professors Emeriti

T.H. Adamowski, MA, Ph D
 P.R. Allen, MA, Ph D (I)
 F.J. Asals, MA, Ph D (N)
 J.H. Astington, MA, Ph D
 J.D. Baird, MA, Ph D (V)
 C.R. Blake, MA, Ph D (U)
 W.F. Blissett, MA, Ph D, FRSC (U)
 R.M. Brown, MA, Ph D (University of Toronto Scarborough)
 P.L. Brückmann, MA, Ph D (T) (obiiit)
 E. Cameron, MA, Ph D (U)
 D.D.C. Chambers, MA, Ph D (T)
 E. Cook, MA, Ph D, FRSC (V)
 B. Corman, AM, Ph D (T)
 M. Cuddy-Keane, MA, Ph D (University of Toronto Scarborough)
 A.H. de Quehen, Ph D (U)
 E.W. Domville, Ph D (T)
 J.D. Duffy, MA, Ph D (I) (V)
 J. Dutka, MA, Ph D (University of Toronto Mississauga)
 D.I. Galbraith, MA, Ph D (V)
 M. Garson, MA, Ph D (University of Toronto Mississauga)
 W.H. Halewood, MA, Ph D (U)
 G.A. Hamel, MA, Ph D (N)
 E.R. Harvey, M Phil, Ph D
 B.S. Hayne, AM, Ph D (SM)
 A. diP. Healey, MA, Ph D (U)
 H.J. Jackson, MA, Ph D
 A.F. Johnston, MA, Ph D, LL D, FRSC (V)
 W.J. Keith, MA, Ph D, FRSC (U) (obiiit)
 M.C. Kirkham, M Phil (U) (obiiit)
 D.N. Klausner, Ph D (U)
 J.C. Kuhn, MA, Ph D (SM)
 A.C. Lancashire, AM, Ph D, FRSC (U)
 D.I. Lancashire, MA, Ph D, FRSC (N)
 A.M. Leggatt, MA, Ph D, FRSC (U)
 J.L. Levenson, MA, Ph D, FRSC (T)
 N.R. Lindheim, MA, Ph D
 F.J. Marker, MA, DFA (U)
 G. Matteo, MA, Ph D (SM)
 J.L. Matus, MA, Ph D, FRSC (U)
 R.R. McLeod, MA, Ph D (University of Toronto Mississauga)
 J. Millgate, MA, Ph D, FRSC (V) (obiiit)
 S. Neuman, Ph D, FRSC
 R.B. Parker, MA, Ph D (T)
 A.D. Pritchard, Ph D (U)
 M. Redekop, MA, Ph D (V)
 J.H. Reibetanz, AM, Ph D (V)
 J.M. Reibetanz, MA, Ph D (T)
 A.G. Rigg, MA, D Phil (T) (obiiit)
 A. Saddlemeyer, MA, Ph D, D Litt, LL D, FRSC (V)
 P.D. Seary, MA, D Phil (N)
 W.D. Shaw, AM, Ph D, FRSC (V)
 M.J. Sidnell, MA, Ph D (T)
 S.Z. Solecki, MA, Ph D (U)
 R. Sullivan, MA, Ph D, FRSC
 L. Thomson, MA, Ph D (University of Toronto Mississauga)
 D. Townsend, MA, Ph D (U)
 C. Visser, B Litt, Ph D (U)
 G.T. Warkentin, MA, Ph D (V) (FRSC)
 F.W. Watt, MA, B Litt, Ph D (U)

Associate Professors Emeriti

H.B. de Groot, MA, Ph D (U) (obiiit)
 G. Fenwick, MA, Ph D (T)
 J.M. Heath, MA, Ph D (V)
 M.J. Levene, MA, Ph D (University of Toronto Mississauga)
 V. Li, MA, Ph D
 J.J. O'Connor, MA, Ph D (SM)
 J.W.O. Patrick, MA, Ph D (V)
 E.P. Vicari, MA, Ph D (University of Toronto at Scarborough)

Professor and Chair of the Department

P.A. Stevens, MA, Ph D, FRSC (T)

Associate Professor and Associate Chair

N. Morgenstern, MA, Ph D

University Professors

T. Keymer, MA, Ph D, FRSC

Professors

A. Ackerman, MA, Ph D (U)
 S.C. Akbari, MA, Ph D (U), Director of the Centre for Medieval Studies
 A.J. Bewell, MA, Ph D, FRSC (U)
 R. Boyagoda, MA, Ph D (SM), Principal and Vice-President of St. Michael's College
 G.E. Clarke, MA, Ph D (U)
 M. Cobb, MA, Ph D (U)
 P.B. Downes, MA, Ph D (T)
 D.L. Esch, MA, Ph D (V)
 A. Esterhammer, PhD, FRSC (V), Principal of Victoria College
 A. Gillespie, MA, D Phil (Chair of the Department of English and Drama, University of Toronto Mississauga)
 M. Goldman, MA, Ph D (University of Toronto Scarborough)
 R. Greene, D Phil (University of Toronto Mississauga)
 E.D. Harvey, MA, Ph D (U)
 A. Jaffe, Ph D
 S. Kamboureli, MA, Ph D, FRSC (U)
 N. ten Kortenaar, MA, Ph D (University of Toronto Scarborough)
 G.M. Leonard, MA, Ph D (University of Toronto Scarborough)
 J. Lopez, MA, Ph D
 L. Magnusson, MA, Ph D, FRSC (V)
 A. Most, MA, Ph D
 H. Murray, MA, Ph D (V)
 M. Nyquist, MA, Ph D (N)
 C.E. Percy, MA, D Phil (N)
 M. Rutti, MA, Ph D (University of Toronto Mississauga)
 S. Salih, MA, D Phil
 C. Schmitt, MA, Ph D, Director of Graduate Studies
 C. Warley, MA, Ph D
 D.E. White, MA, Ph D (University of Toronto Mississauga)

Associate Professors

C. Bolus-Reichert, MA, Ph D (University of Toronto Scarborough)
 S.E. Dickie, MA, Ph D
 N. Dolan, MA, Ph D (University of Toronto Scarborough)
 A. DuBois, Ph D (University of Toronto Scarborough)
 U. Esonwanne, Ph D
 G. Henderson, MA, Ph D
 C. Hill, MA, Ph D (University of Toronto Mississauga)
 S. Lamb, MA, Ph D (University of Toronto Scarborough)
 K.R. Larson, M Phil, Ph D (Chair of the Department of English, University of Toronto Scarborough)
 H. Li, Ph D
 A. Maurice, MA, Ph D (University of Toronto Scarborough)
 R. McGill, M Phil, Ph D
 N. Mount, MA, Ph D (T)
 S. Radović, MA, Ph D (University of Toronto Mississauga)
 W. Robins, MA, Ph D (V) President of Victoria College
 D. Seitler, MA, Ph D
 S. Stern, JD, Ph D (U)

C. Suzack, MA, Ph D
 L. Switzky, MA, Ph D (University of Toronto Mississauga)
 H.S. Syme, AM, Ph D (University of Toronto Mississauga)
 K. Vernon, MA, Ph D (University of Toronto Scarborough)
 K. Weisman, MA, Ph D
 S. Wilson, MA, Ph D
 M. Woodland, MA, Ph D
 M. Xie, Ph D

Associate Professors, Teaching Stream

P. Grav, MA, Ph D

Assistant Professors

T. Aguilera-Way, MA, Ph D
 D.F. Baker, MA, Ph D
 C. Balot, MA, Ph D
 L. Blake, M Phil, Ph D (University of Toronto Mississauga)
 A. Charise, MA, Ph D (University of Toronto Scarborough)
 T. Dancer, MA, Ph D
 K. Gaston, MA, Ph D (University of Toronto Scarborough)
 M. Gniadek, MA, Ph D (University of Toronto Mississauga)
 A. Hammond, MA, Ph D
 A.E. Hernandez, MA, Ph D
 R. Mehta, MA, Ph D
 F.L. Michelet, M Phil, Ph D
 T.F. Robinson, MA, Ph D (University of Toronto Mississauga)
 M. Sergi, Ph D
 A. Slater, M Phil, Ph D (University of Toronto at Mississauga)
 M. Teramura, MA, Ph D
 A. Walton, MTS, Ph D
 K. Williams, MA, Ph D
 D. Wright, MA, Ph D (University of Toronto Mississauga)

Assistant Professor, Teaching Stream

S. Rayter, MA, PhD (U)

Introduction

Literary study engages with some of history's most creative and articulate thinkers as they contemplate fundamental and persistent questions: How do individuals form and sustain meaningful relationships with one another? What is the purpose of art? How does language record and shape human experience? As a student in the English program, you will be introduced to the literary tradition in English, a fascinating conversation spanning over a thousand years and connecting nations and peoples all across the globe. In addition, you will be trained in methods of critical reading and writing which will help you to comprehend complex texts and the authors and societies that produced them. The skills acquired by students of English are directly applicable to any career that requires critical thinking and effective communication--from education to government, law to engineering, business to medicine, and beyond. Just as valuably, the study of English will provide you with models and tools for discovering and articulating your own perspective on the many different kinds of written texts that make up our world.

The Department of English offers courses in British, Canadian, and American literature; Indigenous literatures of North America; postcolonial, transnational, and diasporic English literatures of Africa, the Caribbean, and South Asia; and in the critical and theoretical literature through which literary critics and philosophers have developed vocabulary and methods for describing the forms, histories, and ideologies of literary art.

English courses are arranged in four series. Courses in our 100 series introduce students, in large lectures, to the study of English literature through sweeping surveys: of the literary tradition from Homer through the 19th century; of literature written in direct response to the events of recent decades; or of narrative forms in

many genres and historical periods. Most 100-series courses include small-group tutorials, where students are introduced to critical reading and writing skills; essays at the 100 level typically do not require research or secondary sources. Courses in the 200 series provide historically, geographically, generically, or theoretically grounded introductions to the study of English literature. These include the four "gateway" courses required of all Specialists and Majors—introductions to the major national-historical fields (British, Canadian, and American) that comprise literatures in English—as well as a wide range of courses that will prepare students for further study. 300-series courses focus on particular literary periods, on diasporic literatures, and on special topics within a literature or literary genre. Courses at this level introduce students to research skills and typically require essays that incorporate secondary sources. Courses in the 400 series are both advanced and focused—unique courses created by Department faculty which often relate to their own research. Active student participation, including oral presentations, is an important part of these courses. These courses require a substantial research essay. Beginning in 2019, English 400-series courses are open to students who have obtained standing in at least 9.0 FCE, including 4.0 ENG FCE, and who have completed ENG202H1, ENG203H1, ENG250H1, and ENG252H1 (though exemptions may be made for students registered in our pre-2018 programs).

The Department of English offers several Programs of Study. The Specialist is the most intensive and comprehensive, requiring a minimum of ten full-course equivalents (FCE) in a 20-FCE degree. The Major is the Department's most popular program. It provides both depth and breadth to students who wish to focus on English studies but also wish to leave room in their degrees to pursue other interests. The Minor is the Department's second-most popular program, and can be combined with Majors or Minors in a wide variety of other fields. On the presumption that the Minor is a curiosity-driven program, Minors are exempt from the required courses and distribution requirements of the Specialist and Major.

Students with questions about English Programs should consult the Office of the Associate Chair or the Undergraduate Counsellor. Students interested in graduate school in English should seek advice on course selection from their professors, academic counsellors, and the Office of the Director of Graduate Studies. Students considering a teaching career in Ontario should consult the admission counsellors at the Ontario Institute for Studies in Education/UT.

The Department of English publishes detailed course descriptions and reading lists online, usually at the beginning of May. Students are urged to consult these course descriptions at www.english.utoronto.ca before enrolment begins.

Associate Chair: Professor N. Morgenstern, Room 608, 170 St. George Street

Undergraduate Counsellor: Ms V. Holmes, Room 609, 170 St. George Street (416-978-5026)

General Enquiries: Room 610, 170 St. George Street (416-978-3190)

Regarding English Programs

Students are responsible for completing all the requirements of an English program from the Calendar of the year in which they enrolled in the program. Completion of a first-year ENG course is not a requirement for any of our programs. Please note that we do not

accept ENG100H1, ENG102H1, or any CR/NCR courses toward any of our programs. Enrolment in the English Specialist program requires a final grade of at least 73% in ENG110Y1, ENG140Y1, or ENG150Y1; or a final grade of at least 73% in 2.0 ENG 200-series FCE.

English Programs

English Specialist (Arts Program) - ASSPE1645

Enrolment Requirements:

Enrolment in the English Specialist program requires a final grade of at least 73% in ENG110Y1, ENG140Y1, or ENG150Y1; or a final grade of at least 73% in 2.0 ENG 200-series FCE. Students are responsible for completing all the requirements of an English program from the Calendar of the year in which they enrolled in the program.

Completion Requirements:

10.0 ENG FCE, including 3.0 300+series ENG FCE and 1.0 400-series ENG FCE.

Only 1.0 100-series ENG FCE may be counted. We do not accept ENG100H1, ENG102H1, or any CR/NCR courses toward our programs.

Courses must fulfill the following requirements:

1. ENG202H1, ENG203H1, ENG250H1, ENG252H1
2. 0.5 ENG FCE Indigenous, Postcolonial, Transnational Literatures
3. 2.0 ENG FCE Pre-1800 British Literature
4. 0.5 ENG FCE Theory, Language, Critical Methods
5. ENG287H1; if not, 0.5 FCE in any BR=5 course

English Major (Arts Program) - ASMAJ1645

Completion Requirements:

7.0 ENG FCE, including 1.5 300+series ENG FCE and 0.5 400-series ENG FCE.

Only 1.0 100-series ENG FCE may be counted. We do not accept ENG100H1, ENG102H1, or any CR/NCR courses toward our programs.

Courses must fulfill the following requirements:

1. ENG202H1, ENG203H1, ENG250H1, ENG252H1
2. 0.5 ENG FCE Indigenous, Postcolonial, Transnational Literatures
3. 1.0 ENG FCE Pre-1800 British Literature
4. 0.5 ENG FCE Theory, Language, Critical Methods
5. ENG287H1; if not, 0.5 FCE in any BR=5 course

English Minor (Arts Program) - ASMIN1645

Completion Requirements:

4.0 ENG FCE, including 1.0 300+series ENG FCE.

Only 1.0 100-series ENG FCE may be counted. We do not accept ENG100H1, ENG102H1, or any CR/NCR courses toward our programs.

Asian Literatures and Cultures Minor (Arts Program) - ASMIN2726

Description:

This humanities-based Type 3 Minor program represents a unique opportunity to study Asian Literatures and Cultures within a Southasian location. Students take core subjects at the first-year or second-year level in Toronto and then spend one semester of their second, third or fourth year at the National University of Singapore (NUS) where they are enrolled in lecture courses. For more information, contact the English Undergraduate Office and the Centre for International Experience at www.cie.utoronto.ca.

Completion Requirements:

Four FCE, including 1.0 FCE of ENG270H1, ENG369H1, or ENG370Y1, and one additional ENG FCE, and two appropriate NUS FCE, including at least one 300-series ENG or NUS FCE. Please note that we do not accept ENG100H1, ENG102H1, or any CR/NCR courses toward any of our programs. Students are advised to contact the Undergraduate Counsellor in advance of going abroad to discuss course selection at NUS.

Course Groups

Courses that may be counted toward English programs but that are not grouped:

- ENG110Y1 Narrative
- or
- ENG140Y1 Literature for our Time
- or
- ENG150Y1 Literary Traditions
- ENG202H1 Introduction to British Literature I
- ENG203H1 Introduction to British Literature II
- ENG210H1 Introduction to the Novel
- ENG213H1 The Short Story
- ENG215H1 The Canadian Short Story
- ENG234H1 Children's Literature
- ENG235H1 The Graphic Novel
- ENG237H1 Science Fiction
- ENG239H1 Fantasy and Horror
- ENG250H1 Introduction to American Literature
- ENG252H1 Introduction to Canadian Literature
- ENG273Y1 Queer Writing

- [ENG287H1 The Digital Text](#)
- [ENG289H1 Introduction to Creative Writing](#)
- [ENG296Y0 Topics in English Literature](#)
- [ENG297Y0 Topics in English Literature](#)
- [ENG299Y1 Research Opportunity Program](#)
- [ENG324Y1 The Victorian Novel](#)
- [ENG328Y1 Modern Fiction](#)
- [ENG329H1 Contemporary British Fiction](#)
- [ENG340H1 Modern Drama](#)
- [ENG341H1 Post-Modern Drama](#)
- [ENG347Y1 Victorian Literature](#)
- [ENG348Y1 Modern Poetry to 1960](#)
- [ENG349H1 Contemporary Poetry](#)
- [ENG350H1 Early Canadian Literature](#)
- [ENG352H1 Canadian Drama](#)
- [ENG353Y1 Canadian Fiction](#)
- [ENG354Y1 Canadian Poetry](#)
- [ENG357H1 New Writing in Canada](#)
- [ENG360H1 Early American Literature](#)
- [ENG363Y1 American Literature to 1900](#)
- [ENG364Y1 American Literature 1900 to the present](#)
- [ENG365H1 Contemporary American Fiction](#)
- [ENG378H1 Special Topics](#)
- [ENG379H1 Special Topics](#)
- [ENG388H1 Creative Writing](#)
- [ENG389H1 Creative Writing](#)
- [ENG390Y1 Individual Studies](#)
- or
- [ENG392H1 Individual Studies](#)
- [ENG391Y1 Individual Studies \(Creative\)](#)
- or
- [ENG393H1 Individual Studies \(Creative\)](#)
- [ENG398H0 Research Excursions](#)
- [ENG399Y1 Research Opportunity Program](#)
- [ENG480H1 Advanced Studies Seminar](#)
- [ENG481H1 Advanced Studies Seminar](#)
- [ENG482H1 Advanced Studies Seminar](#)
- [ENG483H1 Advanced Studies Seminar](#)
- [ENG484H1 Advanced Studies Seminar](#)
- [ENG485H1 Advanced Studies Seminar](#)
- [ENG486H1 Advanced Studies Seminar](#)
- [ENG487H1 Advanced Studies Seminar](#)
- [ENG488H1 Advanced Studies Seminar](#)
- [ENG489H1 Advanced Studies Seminar](#)
- [ENG499Y1 Advanced Research Seminar](#)

Indigenous, Postcolonial, Transnational Literatures

- [ENG254H1 Introduction to Indigenous Literatures](#)
- [ENG269H1 English Literature and Chinese Translation](#)
- [ENG270H1 Introduction to Colonial and Postcolonial Writing](#)
- [ENG355Y1 Transnational Indigenous Literatures](#)
- [ENG356Y1 African Canadian Literature](#)
- [ENG367H1 African Literatures in English](#)
- [ENG368H1 Asian North American Literature](#)
- [ENG369H1 South Asian Literatures in English](#)
- [ENG370Y1 Postcolonial and Transnational Discourses](#)

- [ENG371H1 Topics in Indigenous, Postcolonial, Transnational Literatures](#)
- [ENG372H1 Topics in Indigenous, Postcolonial, Transnational Literatures](#)

Pre-1800 British Literature

- [ENG220H1 Introduction to Shakespeare](#)
- [ENG240Y1 Old English Language and Literature](#)
- [ENG300Y1 Chaucer](#)
- [ENG302Y1 English Renaissance Literature](#)
- [ENG303H1 Milton](#)
- [ENG305H1 Swift, Pope, and Their Contemporaries](#)
- [ENG306Y1 Restoration and Eighteenth-Century Literature](#)
- [ENG308Y1 Romantic Literature](#)
- [ENG311H1 Medieval Literature](#)
- [ENG320Y1 Shakespeare](#)
- [ENG322Y1 The Rise of the Novel](#)
- [ENG323H1 Austen and Her Contemporaries](#)
- [ENG330H1 Medieval Drama](#)
- [ENG331H1 Drama 1485-1603](#)
- [ENG335H1 Drama 1603-1642](#)
- [ENG337H1 Drama 1660-1800](#)
- [ENG373H1 Topics in Pre-1800 British Literature](#)
- [ENG374H1 Topics in Pre-1800 British Literature](#)

Theory, Language, Critical Methods

- [ENG201Y1 Reading Poetry](#)
- [ENG205H1 Rhetoric](#)
- [JEI206H1 Writing English Essays](#)
- [ENG280H1 Critical Approaches to Literature](#)
- [ENG281H1 Writing About Literature](#)
- [ENG285H1 The English Language in the World](#)
- [ENG376H1 Topics in Theory, Language, Critical Methods](#)
- [ENG377H1 Topics in Theory, Language, Critical Methods](#)
- [ENG382Y1 Literary Theory](#)
- [ENG384Y1 Literature and Psychoanalysis](#)
- [ENG385H1 History of the English Language](#)

Regarding English Courses

Please note: Not all courses are offered every year.

Only ONE of ENG110Y1, ENG140Y1, or ENG150Y1 may be counted toward English program requirements. ENG100H1 and ENG102H1 may not be used to meet the requirements of any English program. First-year students may enrol in a 200-series ENG course if they are concurrently enrolled in ENG110Y1, ENG140Y1, or ENG150Y1. English 200-series courses are open to students who have obtained standing in 1.0 ENG FCE or in any 4.0 FCE. Students without these prerequisites may enrol in a 200-series course if they are concurrently enrolled in ENG110Y1, ENG140Y1, or ENG150Y1. English 300-series courses are open to students who have obtained standing in 4.0 FCE, including 2.0 ENG FCE. Students should note the special prerequisites for ENG388H1, ENG389H1, ENG390Y1, ENG391Y1, ENG392H1, and ENG393H1: consult the descriptions online before the May 15 deadline for instructions on applying for these courses. English 400-series courses are open to students who have obtained standing in 9.0 FCE, including 4.0 ENG FCE.

Students who require a 400-series course to satisfy their program requirements have enrolment priority in the first round of course enrolment. Individual topics to be specified by instructors. Seminars are designed to provide students with the opportunity to practice their skills of research and interpretation at a particularly advanced level. These courses are not eligible for the CR/NCR option. **Please note that prerequisites and exclusions will be strictly enforced.**

English Courses

ENG100H1 - Effective Writing

Hours: 36L

Practical tools for writing in university and beyond. Students will gain experience in generating ideas, clarifying insights, structuring arguments, composing paragraphs and sentences, critiquing and revising their writing, and communicating effectively to diverse audiences. This course may not be counted toward any English program.

Distribution Requirements: Humanities

ENG102H1 - Literature and the Sciences

Hours: 36L

Literature has always provided a place for the imaginative exploration of science, technology, and the physical universe. For students interested in literary treatments of science and scientific problems, concerns, and methods. Assumes no background in the methods and techniques of literary scholarship. This course may not be counted toward any English program.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG110Y1 - Narrative

Hours: 48L/24T

This course explores the stories that are all around us and that shape our world: traditional literary narratives such as ballads, romances, and novels, and also non-literary forms of narrative, such as journalism, movies, myths, jokes, legal judgments, travel writing, histories, songs, diaries, biographies.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG140Y1 - Literature for our Time

Hours: 48L/24T

An exploration of how recent literature in English responds to our world. Includes poetry, prose, and drama by major writers of the twentieth century and emerging writers of the current century.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG150Y1 - Literary Traditions

Hours: 48L/24T

An introduction to major authors, ideas, and texts that shaped and continue to inform the ever-evolving traditions of literature in English. Includes works and authors from antiquity to the nineteenth century such as the Bible, the Qur'an, Plato, Homer, Sappho, Virgil, Dante, Christine de Pizan, Shakespeare, Cervantes, Montaigne, Austen, Dostoevski.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG196H1 - Time Travel and Narrative

Hours: 24S

From H.G. Wells to *Star Trek* to *Bill and Ted's Excellent Adventure*, tales of time travelers remain captivating. What does our fascination with time travel tell us about storytelling and narrative? This course will explore the questions that time travel raises about narrative as well as history, temporality, subjectivity, and agency. We will look at examples of time travel in film, television, and books as well as philosophical and scientific writing about it. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: ENG197H1, ENG198H1, ENG199H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG197H1 - Representing Disability

Hours: 24S

Understanding disability as a cultural concept—not a medical condition or personal misfortune—that describes how human variation matters in the world, this course asks: how do literary texts represent physical and intellectual disability? Reading drama, fiction, and poetry, we will consider how disability prompts new strategies of writing and thinking. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: ENG196H1, ENG198H1, ENG199H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG201Y1 - Reading Poetry

Hours: 72L

An introduction to poetry through a close reading of texts, focusing on its traditional forms, themes, techniques, and uses of language; its historical and geographical range; and its twentieth-century diversity.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG202H1 - Introduction to British Literature I

Previous Course Number: ENG202Y1

Hours: 36L

An introduction to British literature, exploring works in poetry, prose, and drama from the medieval period to the end of the seventeenth century.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Exclusion: ENG202Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG203H1 - Introduction to British Literature II

Previous Course Number: ENG202Y1

Hours: 36L

An introduction to British literature, exploring works in poetry, prose, and drama from the end of the seventeenth century into the twentieth century.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Exclusion: ENG202Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG199H1 - Writing About Music

Hours: 24S

This course will consider what makes for an effective piece of critical or creative writing about music by looking at a wide range of essays, stories and poems that celebrate, theorize, or attempt to translate the impact of classical, jazz and popular musical performances. Authors studied will include Ross, Murakami, Byrne, Cather, Nabokov, Baldwin, Ishiguro and others. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: ENG196H1, ENG197H1, ENG198H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG205H1 - Rhetoric

Hours: 36L

An introduction to the rhetorical tradition from classical times to the present with a focus on prose as strategic persuasion. Besides rhetorical terminology, topics may include the discovery and arrangement of arguments, validity in argumentation, elements of style, and rhetorical criticism and theory.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

ENG215H1 - The Canadian Short Story

Hours: 36L

An introduction to the Canadian short story, this course emphasizes its rich variety of settings, subjects, and styles.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

JEI206H1 - Writing English Essays

Hours: 24L/12T

This course teaches students who already write effectively how to write clear, compelling, research-informed English essays. The course aims to help students recognize the function of grammar and rhetoric, the importance of audience, and the persuasive role of style.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE. English students have priority.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG220H1 - Introduction to Shakespeare

Previous Course Number: ENG220Y1

Hours: 36L

An introduction to Shakespeare's work through five or six representative plays. Readings may include non-dramatic poetry as well as plays.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Exclusion: ENG220Y1, ENG320Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG234H1 - Children's Literature

Hours: 36L

A critical and historical study of poetry and fiction written for or appropriated by children, this course may also include drama or non-fiction and will cover works by at least twelve authors such as Bunyan, Stevenson, Carroll, Twain, Alcott, Nesbit, Montgomery, Milne, Norton, Fitzhugh.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG235H1 - The Graphic Novel

Hours: 36L

An introduction to book-length sequential art, this course includes fictional and nonfictional comics, with a focus on formal properties such as narrative layout and text/art hybridity. Themes vary but may include superheros; auto/biography; the figure of the outsider; women in comics; alienation and youth; and war reporting.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG210H1 - Introduction to the Novel

Previous Course Number: ENG210Y1

Hours: 36L

An introduction to the novel as literary genre through a reading of five or six key novels from a range of periods and regions.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Exclusion: ENG210Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG213H1 - The Short Story

Hours: 36L

This course explores shorter works of nineteenth- and twentieth-century writers. Special attention is paid to formal and rhetorical concepts for the study of fiction as well as to issues such as narrative voice, allegory, irony, and the representation of temporality.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG237H1 - Science Fiction

Hours: 36L

This course explores speculative fiction that invents or extrapolates an inner or outer cosmology from the physical, life, social, and human sciences. Typical subjects include AI, alternative histories, cyberpunk, evolution, future and dying worlds, genetics, space/time travel, strange species, theories of everything, utopias, and dystopias.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG250H1 - Introduction to American Literature

Previous Course Number: ENG250Y1

Hours: 36L

An introduction to American literature, exploring works in a variety of genres, including poetry, fiction, essays, and slave narratives.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Exclusion: ENG250Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG239H1 - Fantasy and Horror

Hours: 36L

This course explores speculative fiction of the fantastic, the magical, the supernatural, and the horrific. Subgenres may include alternative histories, animal fantasy, epic fantasy, the Gothic, fairy tales, magic realism, sword and sorcery, and vampire fiction.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG252H1 - Introduction to Canadian Literature

Previous Course Number: ENG252Y1

Hours: 36L

An introduction to Canadian literature, exploring works in poetry, prose, and drama from early to recent times.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Exclusion: ENG252Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG240Y1 - Old English Language and Literature

Hours: 72L

Prepares students to read the oldest English literary forms in the original language. Introduces the earliest English poetry in a woman's voice, expressions of desire, religious fervour, and the agonies of war. Texts, written 680 - 1100, range from the epic of Beowulf the dragon-slayer to ribald riddles.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG254H1 - Introduction to Indigenous Literatures

Previous Course Number: ENG254Y1

Hours: 36L

An introduction to Indigenous writings in English, with significant attention to Indigenous literatures in Canada. The writings are placed within the context of Indigenous cultural and political continuity, linguistic and territorial diversity, and living oral traditions. The primary focus may be on contemporary Indigenous writing.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Exclusion: ENG254Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG269H1 - English Literature and Chinese Translation

Hours: 36L

This course studies how works of English literature have been translated and presented in modern Chinese culture. It requires no background in translation or literary studies. Through exercises and workshops, students will be exposed to works by British, American, and Canadian authors. Students will engage with issues in translation studies and learn practical skills of translation from English to Chinese. Class will be taught primarily in English, supplemented by Mandarin. Assignments to be completed in English. Reading knowledge of Mandarin is required.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE; reading knowledge of Mandarin

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

ENG270H1 - Introduction to Colonial and Postcolonial Writing

Previous Course Number: ENG270Y1

Hours: 36L

In this course, we examine the colonial archive for its representations of race, indigeneity, sexuality, and capital accumulation. We familiarize ourselves with the aesthetic and political modes of resisting colonial power around the world. Besides literary texts, our objects of study may include photographs, film, and digital media.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Exclusion: ENG270Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG273Y1 - Queer Writing

Hours: 72L

Introducing a lesbian, gay, bisexual, trans, and queer tradition in literature and theory, this course explores classical, modern, postmodern, and contemporary literature, criticism, art, film, music, and popular culture.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG280H1 - Critical Approaches to Literature

Hours: 36L

An introduction to the theory and practice of literary criticism.

Focusing on a single text or small group of texts, students will gain experience with close reading and analysis, critical theory, research methods, and the conventions and skills particular to literary-critical writing.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG281H1 - Writing About Literature

Hours: 24L/12T

An introduction to the skills and contexts that underlie university-level writing about literature. Students will analyze the style and mechanics of literary criticism in a variety of fields, including published essays by Department faculty. Guest speakers and writing-intensive tutorials will help students begin to join the critical conversation.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG285H1 - The English Language in the World

Hours: 36L

This introductory course surveys transnational, regional, and social varieties of Later Modern English; the linguistic and social factors that have shaped them; their characteristic structures; and their uses in speech and in writing, both literary and non-literary.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

ENG287H1 - The Digital Text**Hours:** 24L/12T

Explores the relations between digital technology and literary studies. Students will use such tools as computer-assisted analysis, digital editions, and visualization to ask new questions about literature. Readings may include born-digital fiction. Students will gain hands-on experience with digital technology, but no programming experience is required.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**ENG299Y1 - Research Opportunity Program****Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**ENG289H1 - Introduction to Creative Writing****Hours:** 36L

An introduction to creative writing, especially poetry and short fiction, attending to conventions of literary forms and genres, as well as to writing strategies, techniques, and terminology.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE**Exclusion:** ENG389Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**ENG296Y0 - Topics in English Literature****Hours:** TBA

Content varies with Instructor. Offered by the Summer Abroad program, usually in Oxford, England.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE**ENG297Y0 - Topics in English Literature****Hours:** TBA

Content varies with Instructor. Offered by the Summer Abroad program, usually in Siena, Italy.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE**ENG300Y1 - Chaucer****Hours:** 72L

An in-depth study of Chaucer's major works, including The Canterbury Tales and Troilus and Criseyde.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**ENG302Y1 - English Renaissance Literature****Hours:** 72L

A survey of some of the major works in English poetry and prose written between 1500 and 1660. Some dramatic literature may be considered as well.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE**Exclusion:** ENG304Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**ENG303H1 - Milton****Hours:** 36L

Selections from Paradise Lost and other works.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

ENG305H1 - Swift, Pope, and Their Contemporaries

Hours: 36L

Selected works in prose and verse by Swift and Pope studied alongside works by their contemporaries. Topics may include the legitimacy of satire, the role of criticism, and the growing importance of writing by women.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG320Y1 - Shakespeare

Hours: 72L

An in-depth study of Shakespeare's work, covering the different periods of his career and the different genres in which he worked. Readings may include non-dramatic poetry as well as plays.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG306Y1 - Restoration and Eighteenth-Century Literature

Hours: 72L

A study of selected works by Dryden, Pope, Swift, Johnson, and at least six other authors.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG322Y1 - The Rise of the Novel

Hours: 72L

This course, spanning from 1660 to the 1830s, studies the emergence of prose fiction as a genre recognized in both a literary and a commercial sense. Authors may include Behn, Defoe, Richardson, Fielding, Sterne, Scott, Austen.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG308Y1 - Romantic Literature

Hours: 72L

Poetry and critical prose of Blake, W. Wordsworth, Coleridge, Byron, P.B. Shelley, and Keats; may include selections from other writers such as Crabbe, Scott, Landor, Clare, D. Wordsworth, M. Shelley, De Quincey.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG323H1 - Austen and Her Contemporaries

Hours: 36L

A study of selected novels of Jane Austen and of works by such contemporaries as Radcliffe, Godwin, Wollstonecraft, Wordsworth, Edgeworth, Scott, and Shelley, in the context of the complex literary, social, and political relationships of that time.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG311H1 - Medieval Literature

Hours: 36L

This course explores a selection of writings in early English, excluding those by Chaucer.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG324Y1 - The Victorian Novel

Hours: 72L

A study of such topics as the comic art of Dickens, Trollope, and Thackeray; the Gothicism of the Brontës; the crisis of religious faith in George Eliot; and the powerful moral fables of Hardy. Students will read 10-12 novels.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG328Y1 - Modern Fiction**Hours:** 72L

This course explores ten to twelve works by such writers as James, Conrad, Cather, Forster, Joyce, Woolf, Lawrence, Faulkner, Rhys, Hemingway, Achebe, Ellison, Spark, Lessing.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**ENG335H1 - Drama 1603-1642****Hours:** 36L

This course explores English drama from the death of Queen Elizabeth I to the closing of the theatres, with attention to such playwrights as Jonson, Middleton, Shakespeare, Webster.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**ENG329H1 - Contemporary British Fiction****Hours:** 36L

This course explores six or more works by at least four British contemporary writers of fiction.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**ENG337H1 - Drama 1660-1800****Hours:** 36L

At least twelve plays, including works by Dryden, Wycherley, Congreve, and their successors, chosen to demonstrate the modes of drama practised during the period, the relationship between these modes and that between the plays and the theatres for which they were designed.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**ENG330H1 - Medieval Drama****Hours:** 36L

Plays and other texts composed for live performance across the first millennium of English history, primarily 1300-1485; morality plays, biblical pageants, solo performances, large-scale spectacles, mumming, religious rituals, rude songs, recovered fragments. Basic training in reading/translating medieval English sources and in decoding early cues for staging.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**ENG340H1 - Modern Drama****Hours:** 36L

A study of plays in English by such dramatists as Wilde, Yeats, Shaw, Synge, Glaspell, Hughes, O'Neill, as well as plays in translation by such dramatists as Ibsen, Chekhov, Strindberg, Pirandello.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**ENG331H1 - Drama 1485-1603****Hours:** 36L

Plays and performance history across Britain, 1485 to 1603; the rise of London theatres and of named English and Scottish playwrights (Medwall, Redford, Marlowe, Shakespeare, etc.); anonymous sixteenth-century plays from Cheshire, Yorkshire, East Anglia, and Cambridgeshire; traces of lost performances in the archives.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**ENG341H1 - Post-Modern Drama****Hours:** 36L

A study of plays by such dramatists as Beckett, Miller, Williams, Pinter, Soyinka, Churchill, with background readings from other dramatic literatures.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

ENG347Y1 - Victorian Literature**Hours:** 72L

A survey of major texts in a variety of genres by authors such as Darwin, Tennyson, Browning, Wilde, Nightingale, Christina Rossetti, Kipling.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**ENG352H1 - Canadian Drama****Hours:** 36L

A study of major Canadian playwrights and developments since 1940, with some attention to the history of the theatre in Canada.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**ENG348Y1 - Modern Poetry to 1960****Hours:** 72L

Special study of Yeats, Pound, Eliot, Auden, Stevens; selections from other poets.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**ENG353Y1 - Canadian Fiction****Hours:** 72L

A study of ten to twelve Canadian works of fiction, primarily novels.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**ENG349H1 - Contemporary Poetry****Hours:** 36L

Works by at least six contemporary poets, such as Ammons, Ashbery, Heaney, Hughes, Lowell, Muldoon, Plath.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**ENG354Y1 - Canadian Poetry****Hours:** 72L

A study of major Canadian poets, modern and contemporary.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**ENG350H1 - Early Canadian Literature****Hours:** 36L

Writing in English Canada before 1914, from a variety of genres such as the novel, poetry, short stories, exploration and settler accounts, nature writing, criticism, First Nations cultural production.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**ENG355Y1 - Transnational Indigenous Literatures****Previous Course Number:** ENG355H1**Hours:** 72L

A study of works by Indigenous writers from North America and beyond, with significant attention to Indigenous writers in Canada. Texts engage with issues of de/colonization, representation, gender, and sexuality, and span multiple genres, including fiction, life writing, poetry, drama, film, music, and creative non-fiction.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE**Exclusion:** ENG355H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

ENG356Y1 - African Canadian Literature

Previous Course Number: ENG359H1

Hours: 72L

Black Canadian Literature (poetry, drama, fiction, non-fiction) from its origin in the African Slave Trade in the eighteenth century to its current flowering as the expression of immigrants, exiles, refugees, ex-slave-descended, and colonial-settler-established communities. Pertinent theoretical works, films, and recorded music are also considered.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Exclusion: ENG359H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG364Y1 - American Literature 1900 to the present

Hours: 72L

This course explores twentieth-century American writing in a variety of genres.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG365H1 - Contemporary American Fiction

Hours: 36L

This course explores six or more works by at least four contemporary American writers of fiction.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG367H1 - African Literatures in English

Hours: 36L

What, if anything, is distinctively "African" in African texts; what might it mean to produce "African" readings of African literature? We address these, as well as other questions, through close readings of oral performances and literary and other cultural texts.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG368H1 - Asian North American Literature

Hours: 36L

Literature and cultures of Asian Canadians and Asian Americans, including fiction, poetry, theory, drama, film, and other media.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG357H1 - New Writing in Canada

Hours: 36L

Close encounters with recent writing in Canada: new voices, new forms, and new responses to old forms. Texts may include or focus on poetry, fiction, drama, non-fiction, or new media.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG360H1 - Early American Literature

Hours: 36L

This course explores writing in a variety of genres produced in the American colonies in the seventeenth and eighteenth centuries, such as narratives, poetry, autobiography, journals, essays, sermons, court transcripts.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG363Y1 - American Literature to 1900

Hours: 72L

This course explores American writing in a variety of genres from the end of the Revolution to the beginning of the twentieth century.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG369H1 - South Asian Literatures in English

Hours: 36L

Major authors and literary traditions of South Asia, with specific attention to literatures in English from India, Sri Lanka, Pakistan, Bangladesh, and the diaspora. The focus will be on fiction and poetry with some reference to drama.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG372H1 - Topics in Indigenous, Postcolonial, Transnational Literatures

Hours: 36L

Sustained study in a topic pertaining to Indigenous, postcolonial, or transnational literatures. Content varies with instructors. See Department website for current offerings. Course may not be repeated under the same subtitle.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG370Y1 - Postcolonial and Transnational Discourses

Previous Course Number: ENG370H1

Hours: 72L

This course focuses on recent theorizations of postcoloniality and transnationality through readings of fictional and non-fictional texts, along with analyses of contemporary films and media representations.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Exclusion: ENG370H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG373H1 - Topics in Pre-1800 British Literature

Hours: 36L

Sustained study in a topic pertaining to British literature before 1800. Content varies with instructors. See Department website for current offerings. Course may not be repeated under the same subtitle.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG371H1 - Topics in Indigenous, Postcolonial, Transnational Literatures

Hours: 36L

Sustained study in a topic pertaining to Indigenous, postcolonial, or transnational literatures. Content varies with instructors. See Department website for current offerings. Course may not be repeated under the same subtitle.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG374H1 - Topics in Pre-1800 British Literature

Hours: 36L

Sustained study in a topic pertaining to British literature before 1800. Content varies with instructors. See Department website for current offerings. Course may not be repeated under the same subtitle.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG376H1 - Topics in Theory, Language, Critical Methods

Hours: 36L

Sustained study in a topic pertaining to literary theory, critical methods, or linguistics. Content varies with instructors. See Department website for current offerings. Course may not be repeated under the same subtitle.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG377H1 - Topics in Theory, Language, Critical Methods

Hours: 36L

Sustained study in a topic pertaining to literary theory, critical methods, or linguistics. Content varies with instructors. See Department website for current offerings. Course may not be repeated under the same subtitle.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG382Y1 - Literary Theory

Hours: 72L

This course explores contemporary literary theory, but may include related readings from earlier periods. Schools or movements studied may include structuralism, formalism, phenomenology, Marxism, post-structuralism, reader-response theory, feminism, queer theory, new historicism, psychoanalysis, postcolonial theory, critical race studies, and ecocriticism.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Thought, Belief and Behaviour (2)

ENG378H1 - Special Topics

Hours: 36L

Sustained study in a variety of topics, including: Canadian literature, American literature, Post-1800 British literature, and genres or themes that span across nations and periods. Content varies with instructors. See Department website for current offerings. Course may not be repeated under the same subtitle.

Note: An additional fee of \$123 will apply to the "Cook the Books" subtitle offering.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG384Y1 - Literature and Psychoanalysis

Hours: 72L

An introduction to psychoanalysis for students of literature, this course considers major psychoanalytic ideas through close readings of selected texts by Freud. The course also explores critiques and applications of Freud's work and examines a selection of literary texts that engage psychoanalytic theory.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Thought, Belief and Behaviour (2)

ENG379H1 - Special Topics

Hours: 36L

Sustained study in a variety of topics, including: Canadian literature, American literature, Post-1800 British literature, and genres or themes that span across nations and periods. Content varies with instructors. See Department website for current offerings. Course may not be repeated under the same subtitle.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG385H1 - History of the English Language

Hours: 36L

This course explores English from its prehistory to the present day, emphasizing Old, Middle, and Early Modern English and the theory and terminology needed to understand their lexical, grammatical, and phonological structure; language variation and change; codification and standardization; literary and non-literary usage.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

ENG388H1 - Creative Writing

Previous Course Number: ENG389Y1

Hours: 36S

This is a seminar course restricted to students who in the opinion of the Department show special aptitude for writing poetry, fiction, or drama. For application procedure, see the descriptions online and submit an application by May 15. Not eligible for CR/NCR option.

Prerequisite: 2.0 ENG FCE, any 4.0 FCE, and permission of the instructor and the Associate Chair

Exclusion: ENG389Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG391Y1 - Individual Studies (Creative)

Hours: TBA

A project in creative writing chosen by the student and supervised by a member of the staff. The form of the project and the manner of its execution are determined in consultation with the supervisor. All project proposals should be submitted by May 15. Proposal forms are available online and from the Department. Not eligible for CR/NCR option.

Prerequisite: 3.0 ENG FCE including ENG388H1 or ENG389H1, any 4.0 FCE, and permission of the instructor and the Associate Chair

Exclusion: ENG393H1

Distribution Requirements: Humanities

ENG389H1 - Creative Writing

Previous Course Number: ENG389Y1

Hours: 36S

This is a seminar course restricted to students who in the opinion of the Department show special aptitude for writing poetry, fiction, or drama. For application procedure, see the descriptions online and submit an application by May 15. Not eligible for CR/NCR option.

Prerequisite: 2.0 ENG FCE, any 4.0 FCE, and permission of the instructor and the Associate Chair

Exclusion: ENG389Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG392H1 - Individual Studies

Hours: TBA

A scholarly project chosen by the student and supervised by a member of the staff. The form of the project and the manner of its execution are determined in consultation with the supervisor. All project proposals should be submitted by May 15. Proposal forms are available online and from the Department. Not eligible for CR/NCR option.

Prerequisite: 3.0 ENG FCE, any 4.0 FCE, and permission of the instructor and the Associate Chair

Exclusion: ENG390Y1

Distribution Requirements: Humanities

ENG390Y1 - Individual Studies

Hours: TBA

A scholarly project chosen by the student and supervised by a member of the staff. The form of the project and the manner of its execution are determined in consultation with the supervisor. All project proposals should be submitted by May 15. Proposal forms are available online and from the Department. Not eligible for CR/NCR option.

Prerequisite: 3.0 ENG FCE, any 4.0 FCE, and permission of the instructor and the Associate Chair

Exclusion: ENG392H1

Distribution Requirements: Humanities

ENG393H1 - Individual Studies (Creative)

Hours: TBA

A project in creative writing chosen by the student and supervised by a member of the staff. The form of the project and the manner of its execution are determined in consultation with the supervisor. All project proposals should be submitted by May 15. Proposal forms are available online and from the Department. Not eligible for CR/NCR option.

Prerequisite: 3.0 ENG FCE including ENG388H1 or ENG389H1, any 4.0 FCE, and permission of the instructor and the Associate Chair

Exclusion: ENG391Y1

Distribution Requirements: Humanities

ENG398H0 - Research Excursions**Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**ENG398Y0 - Research Excursions****Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**ENG399Y1 - Research Opportunity Program****Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

ENG480H1 - Advanced Studies Seminar**Hours:** 24S

Seminars are designed to provide students with the opportunity to practice their skills of research and interpretation, and to participate in critical discussion, at a particularly advanced level. All seminars demand substantial class participation and most require an oral presentation. Not eligible for CR/NCR option.

Prerequisite: 4.0 ENG FCE (including ENG202H1, ENG203H1, ENG250H1, ENG252H1); and any 9.0 FCE**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**ENG481H1 - Advanced Studies Seminar****Hours:** 24S

Seminars are designed to provide students with the opportunity to practice their skills of research and interpretation, and to participate in critical discussion, at a particularly advanced level. All seminars demand substantial class participation and most require an oral presentation. Not eligible for CR/NCR option.

Prerequisite: 4.0 ENG FCE (including ENG202H1, ENG203H1, ENG250H1, ENG252H1); and any 9.0 FCE**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**ENG482H1 - Advanced Studies Seminar****Hours:** 24S

Seminars are designed to provide students with the opportunity to practice their skills of research and interpretation, and to participate in critical discussion, at a particularly advanced level. All seminars demand substantial class participation and most require an oral presentation. Not eligible for CR/NCR option.

Prerequisite: 4.0 ENG FCE (including ENG202H1, ENG203H1, ENG250H1, ENG252H1); and any 9.0 FCE**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**ENG483H1 - Advanced Studies Seminar****Hours:** 24S

Seminars are designed to provide students with the opportunity to practice their skills of research and interpretation, and to participate in critical discussion, at a particularly advanced level. All seminars demand substantial class participation and most require an oral presentation. Not eligible for CR/NCR option.

Prerequisite: 4.0 ENG FCE (including ENG202H1, ENG203H1, ENG250H1, ENG252H1); and any 9.0 FCE**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

ENG484H1 - Advanced Studies Seminar**Hours:** 24S

Seminars are designed to provide students with the opportunity to practice their skills of research and interpretation, and to participate in critical discussion, at a particularly advanced level. All seminars demand substantial class participation and most require an oral presentation. Not eligible for CR/NCR option.

Prerequisite: 4.0 ENG FCE (including ENG202H1, ENG203H1, ENG250H1, ENG252H1); and any 9.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG487H1 - Advanced Studies Seminar**Hours:** 24S

Seminars are designed to provide students with the opportunity to practice their skills of research and interpretation, and to participate in critical discussion, at a particularly advanced level. All seminars demand substantial class participation and most require an oral presentation. Not eligible for CR/NCR option.

Prerequisite: 4.0 ENG FCE (including ENG202H1, ENG203H1, ENG250H1, ENG252H1); and any 9.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG485H1 - Advanced Studies Seminar**Hours:** 24S

Seminars are designed to provide students with the opportunity to practice their skills of research and interpretation, and to participate in critical discussion, at a particularly advanced level. All seminars demand substantial class participation and most require an oral presentation. Not eligible for CR/NCR option.

Prerequisite: 4.0 ENG FCE (including ENG202H1, ENG203H1, ENG250H1, ENG252H1); and any 9.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG488H1 - Advanced Studies Seminar**Hours:** 24S

Seminars are designed to provide students with the opportunity to practice their skills of research and interpretation, and to participate in critical discussion, at a particularly advanced level. All seminars demand substantial class participation and most require an oral presentation. Not eligible for CR/NCR option.

Prerequisite: 4.0 ENG FCE (including ENG202H1, ENG203H1, ENG250H1, ENG252H1); and any 9.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG486H1 - Advanced Studies Seminar**Hours:** 24S

Seminars are designed to provide students with the opportunity to practice their skills of research and interpretation, and to participate in critical discussion, at a particularly advanced level. All seminars demand substantial class participation and most require an oral presentation. Not eligible for CR/NCR option.

Prerequisite: 4.0 ENG FCE (including ENG202H1, ENG203H1, ENG250H1, ENG252H1); and any 9.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG489H1 - Advanced Studies Seminar**Hours:** 24S

Seminars are designed to provide students with the opportunity to practice their skills of research and interpretation, and to participate in critical discussion, at a particularly advanced level. All seminars demand substantial class participation and most require an oral presentation. Not eligible for CR/NCR option.

Prerequisite: 4.0 ENG FCE (including ENG202H1, ENG203H1, ENG250H1, ENG252H1); and any 9.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG499Y1 - Advanced Research Seminar**Hours:** 48S

A seminar designed to provide students with the opportunity to practice their skills of research and interpretation at a particularly advanced level. Admission by invitation and permission of the instructor and the Associate Chair. Not eligible for CR/NCR option.

Prerequisite: 4.0 ENG FCE, any 9.0 FCE, and permission of the Department.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

School of the Environment

Faculty List

Professor and Director

† S. Easterbrook, BSc, PhD

Associate Professor and Graduate Associate Director

C. Wiseman, BES, M. Nat.Res.Mgmt., Dr. Phil. Nat.

Assistant Professor, Teaching Stream, and Undergraduate Associate Director

† J. D'eon, BSc, PhD

Professors

† W.S. Prudham, BA, BSc, MA, PhD

† J.B. Robinson, BA, MES, PhD

Associate Professors

† C. Abizaid, MA, PhD

† J. Green, BA, MA, PhD

† S.B. Scharper, BA, MA, PhD

Assistant Professors

† J.A. Jakubiec, B.S.Arch, M.Arch, PhD

† K. Neville, BSc, MEnvSci, PhD

† H. Peng, BSc, PhD

† N. Rollinson, BAT, MSc, PhD

† D. Wunch, BSc, MSc, PhD

T. Yoreh, BA, MA, PhD

Associate Professor, Teaching Stream

K. Ing, BSc, MSc

Senior Lecturers Emeriti

D. Macdonald, BA, MA, PhD

B. Savan, BSc, PhD

† Cross-appointed faculty

Introduction

The School of the Environment is an innovative interdisciplinary unit within the Faculty of Arts and Science; it brings together and leverages the enormous breadth of environmental teaching and research expertise throughout the Faculty. The School fosters opportunities for interdisciplinary research and scholarship in environment, spanning the sciences, social sciences and humanities. Students who enrolled in programs in the former Centre for Environment will be able to complete them.

Core Programs:

The School offers core programs in two areas: Environmental Science BSc Major and Minor, and Environment Studies BA Major and Minor. These programs are ideally suited to be taken in conjunction with another program(s) in a related academic field. For example, the Environmental Science Major could be combined with a Major in Environment & Health, Environmental Ethics, Earth and Environmental Systems, Environmental Geography, Forest Conservation Science, Physical & Environmental Geography, Biomedical Toxicology, Chemistry, Physics, Biodiversity

and Conservation Biology, or Environmental Biology, while the Environmental Studies Major could be combined with a complementary BA Major such as Political Science, Economics, Women and Gender Studies, Human Geography, Forest Conservation, Architecture, or BSc Major, such as Environmental Biology, Physics, or Forest Conservation Science. These programs of study provide students with a powerful combination of disciplinary depth and interdisciplinary breadth.

The School's Environmental Science B.Sc. Major and Minor programs reflect the fact that most environmental issues are complex and involve aspects drawing from many different areas of science. These programs provide students with a breadth of knowledge spanning scientific disciplines, and the tools to understand and integrate scientific principles from across the physical and biological sciences, and across multiple spatial and temporal scales. At its core, environmental science is concerned with the scientific analysis and development of creative solutions to environmental problems. Students are exposed to disciplinary and interdisciplinary knowledge and research skills necessary to function as an environmental scientist.

The School's Environmental Studies B.A. Major and Minor are interdisciplinary programs intended for students interested in studying and working in an environmental area, primarily within the social sciences or humanities. These programs offer rigorous academic study of the economic, social, cultural and political forces that drive issues such as species extinction, loss of biodiversity, air and water pollution, and climate change. The interdisciplinary structure of the programs provides grounding in scientific literacy while advancing critical thinking skills that will help students to evaluate complex environmental problems and sustainable solutions for improved environmental health and well-being.

Environmental Science students who wish to have a foundation in Environmental Studies beyond the [ENV221H1](#) and [ENV222H1](#) core courses, are encouraged to consider adding the Minor in Environmental Studies to their Environmental Science Major. It is possible to double count a number of courses between the two programs.

Collaborative Specialist, Major and Minor Programs:

The School collaborates with other disciplines to offer four collaborative Science Specialist programs: Environment & Health; Environmental Chemistry; Environmental Geosciences; and Environment & Toxicology. Other collaborative offerings include Major programs in Environment & Health, and Environmental Ethics, as well as collaborative Minor programs in Environmental Ethics, Energy & Environment, and Environment & Behaviour. These programs combine the School's interdisciplinary core with a deliberately focused set of discipline-specific courses.

Directed Environmental Minor Programs:

Environmental Minor programs are offered by a number of departments. Five of these Minors are in the sciences, and four are arts Minors. These programs are intended for students interested in acquiring a hierarchical body of environmental knowledge in a specific discipline.

These Minors are open to any student irrespective of program. As with any Minor, these programs can be combined with other programs of study (i.e., Minors and Majors) to meet the requirements for a degree. (See the Degree Requirements section of the Calendar for program requirement details).

General Program Information:

All Science programs in the School include a strong First Year science component with core interdisciplinary science courses in subsequent years. Students intending to pursue Environmental Science or any of the Science Specialist programs are advised to choose First Year courses from among (BIO120H1, BIO130H1); (CHM136H1/CHM138H1, CHM135H1/CHM139H1/CHM151Y1; MA1T135H1/MAT136H1/MAT137Y1/MAT157Y1/JMB170Y1; (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1), and (GGR100H1/JEG100H1, GGR101H1). Students should identify specific program requirements as well as the prerequisites for ENV234H1; ENV237H1; ENV238H1; ENV316H1; ENV334H1; ENV337H1; CHM210H1 when selecting specific First Year science courses.

Arts programs in the School build on a base of social science and humanities courses. Environmental Studies, as well as Environmental Ethics, do not require specific First Year courses. Students intending to follow arts programs in the area of environment are recommended to take ENV100H1, and might find it helpful to take ENV200H1 in first year, as well as to include some First Year course choices from the 100-level offerings in Anthropology, Biology, Economics, Geography, History, Philosophy, Political Science or Sociology.

Note: Majors and Specialists in School of the Environment programs are eligible for a number of School-based scholarships (see <https://www.environment.utoronto.ca/undergraduate/scholarships/>)

Students interested in School of the Environment programs should refer to the Calendar program listings below and are encouraged to consult the School's website at <http://www.environment.utoronto.ca>. For further information about the School's programs and courses, please contact:

School of the Environment Undergraduate Associate Director, Prof J. D'eon (ug.director.env@utoronto.ca).

School of the Environment Undergraduate Student Advisor and Placement Coordinator, David Powell, Room ES 1022, 33 Willcocks Street Wing, Earth Sciences Centre, 416-946-8100 or ug.office.env@utoronto.ca

Environmental Programs in Other Academic Units:

Students should also be aware that numerous programs offered by other academic units have relevance to the study of the environment, and most are highly suitable for double majors with the School of the Environment programs. Students interested in environment-related courses of study should also review the following programs:

Biodiversity & Conservation Biology (Science program offered by the Department of Ecology & Evolutionary Biology):

Details available
at: <http://www.eeb.utoronto.ca/undergrad/programs.htm>

Students in the Biodiversity and Conservation Biology Major receive training in the relatively young, but already firmly established, synthetic fields of biodiversity and conservation biology. They will be equipped to aid in the response to what is perhaps humanity's most pressing challenge, the conservation of biological diversity. As ecologically responsible and informed citizens, they will appreciate the increasing complexity and uncertainty of the world in which we

all live, and be in a position to make informed policy and decisions about sustainable development, global environmental change, control of invasive species, and the conservation of genetic diversity and ecosystem integrity.

Earth and Environmental Systems (Science program offered by the Department of Earth Sciences):

(Details available
at: <http://www.es.utoronto.ca/programs/undergraduate/>)

The Major, Earth and Environmental Systems, takes a holistic approach to understanding how the Earth system works and how it has evolved over tens of millions to billions of years. This requires understanding the dynamics and interactions of all aspects of the system (solid Earth, ocean, atmosphere, and biosphere) and provides the larger context at a time when climate change, resource consumption and global pollution weigh heavily on people and societies.

Environmental Biology (Science program offered by the Department of Ecology & Evolutionary Biology):

Details available
at: <http://www.eeb.utoronto.ca/undergrad/programs.htm>

The Environmental Biology Major provides a broad background in biology that is essential to understand the impact of humans on other organisms and their environments. It provides students with an understanding of ecology, the diversity and function of living organisms, the physical and chemical environment, and the ways organisms interact with, and affect, ecosystem processes. Students are exposed to ecosystem management, issues related to environmental change, and the consequences of interactions between humans and the environment.

Environmental Geography (Arts program offered by the Department of Geography and Planning):

(See program details under Geography and Planning or at www.geography.utoronto.ca)

These Specialist, Major and Minor programs can be taken in conjunction with either the School's Arts or Science programs for an Honours Degree. They focus on resource and environmental planning, environmental assessment, water resources, waste management and Canada's forests from the perspective of Geography.

Forest Conservation (Arts or Science programs offered by the Faculty of Forestry):

(See program details under Forestry/Forest Conservation and Forest Biomaterials Science or at www.forestry.utoronto.ca)

These Specialist, Major and Minor programs can be taken in conjunction with the School's science or arts programs for an Honours degree. Core subjects include world forests, forest products in sustainable forestry, forest conservation practices, forest management and resource allocation, and forests and society. Other topics include biodiversity maintenance, ecological sustainability, protection of wildlife and their habitats, international policy, certification, intensive forest management, community management, forest health and forest fragmentation.

Physical & Environmental Geography (Science program offered by the Department of Geography and Planning):

(See program details under Geography and Planning or at www.geography.utoronto.ca)

These Specialist and Major programs can be taken in conjunction with the School's science or arts programs for an Honours Degree. Core subjects include geomorphology, climatology, soil science and hydrology. Other topics include biogeography, remote sensing, climate assessment, biogeochemistry and environmental contaminants modeling.

School of Environment Programs

Core Programs

Environmental Science Major (Science Program) - ASMAJ1076

Enrolment Requirements:

This is a limited enrolment program. Enrolment is limited and selection will be based on marks in 1.0 FCE of the required first-year courses: BIO120H1 and 0.5 FCE from CHM136H1/CHM138H/ CHM135H1/CHM139H/ CHM151Y1 with an overall average of at least 65% and a final mark of at least 60% in each course. The precise mark thresholds outlined above are an estimate of what will be required in the coming POST admission cycle. Achieving those mark(s) does not necessarily guarantee admission to the POST in any given year. For more information, please email the School of the Environment's Undergraduate Student Advisor, David Powell, at ug.office.env@utoronto.ca.

Completion Requirements:

(8.0 full courses or their equivalent)

First Year (1.5 FCEs): BIO120H1; 0.5 FCE from CHM136H1/ CHM138H/ CHM135H1 (recommended)/CHM139H/ CHM151Y1; 0.5 FCE from MAT135H1/ MAT137Y1/ MAT157Y1/ JMB170Y1

Second Year (2.5 FCEs):

1. ENV221H1
2. ENV234H1
3. One of CHM210H1 or ESS262H1
4. ENV237H1/ ENV238H1*

* ENV238H1 is for students who have previously taken PHY131H1/ PHY132H1/ PHY151H1/ PHY152H1

5. STA220H1/ STA288H1/ EEB225H1/ GGR270H1 or other science courses providing training in statistics as approved by the Academic Associate Director.

NOTE: students interested in taking EEB Field Courses (Group B) in third/fourth year are encouraged to take BIO220H in second/third year.

Third Year (1.5 FCE):

1. The other of CHM210H1 or ESS262H1 not taken in second year
2. ENV337H1/ JEE337H1
3. ENV316H1

Third/Fourth Year (2.0 FCEs):

1. 2.0 FCE from among the courses in Group A, B, and C, with no more than 0.5 FCE from Group C. At least 0.5 FCE must be at the 300+ level

Group A: Environmental Science

BIO220H1*/ CHM310H1/ CHM410H1/ CHM415H1/ EEB319H1/ EEB321H1/ EEB328H1/ EEB365H1/ EEB428H1/ EEB430H1/ EEB433H1/ EEB440H1/ EEB465H1/ ENV334H1/ ENV341H1/ ENV346H1/ ENV430H1/ ENV432H1/ ESS261H1/ ESS311H1/ ESS312H1/ ESS461H1/ ESS463H1/ GGR301H1/ GGR308H1/ GGR314H1/ GGR347H1/ GGR348H1/ GGR409H1/ JGA305H1/ PCL362H1/ PHY392H1**/ PHY492H1**

Notes: * BIO220H1 is required for all upper-year 300+ EEB series courses, with no exceptions. ** PHY392H1 and PHY492H1 include relevant environmental content, but prerequisites for these courses cannot be used towards Group A requirements.

Group B: Environmental Science-related Field Courses

ANT330Y1/ ARH306Y1/ EEB403H1/ EEB405H1/ EEB406H1/ EEB407H1/ EEB410H1/ ENV336H1/ ENV395Y0/ ENV396Y0/ ESS330H1/ ESS410H1/ ESS450H1/ GGR390H1

Note: * BIO220H1 is required for all upper-year 300+ EEB series courses, with no exceptions.

Group C: Environmental Policy & Society (no more than 0.5 FCE from Group C)

ENV222H1/ ENV261H1/ ENV281H1/ ENV282H1/ ENV307H1/ ENV320H1/ ENV322H1/ ENV323H1/ ENV333H1/ ENV335H1/ ENV347H1/ ENV350H1/ ENV361H1/ ENV362H1/ ENV381H1/ ENV382H1/ ENV422H1/ ENV461H1/ ENV462H1/ FOR302H1

Fourth Year (0.5 FCE):

1. 0.5 FCE from the following: ENV432H1*/ ENV440H1/ ENV452H1*
 *Note that ENV432H1 requires one of EEB319H1/ EEB321H1/ EEB365H1/ ENV334H1 as a prerequisite, and ENV452H1 requires one of ENV316H1/ ENV334H1/ ENV337H1 as a prerequisite.

Notes:

- Students combining the Environmental Science Major with a second BSc or BA Major, and who are also interested in obtaining a basic understanding of the social/political/policy aspects of environment, can add the Environmental Studies Minor. Some of the courses taken for the Environmental Science Major may be double counted for this Minor. Please contact the Undergraduate Student Advisor (see above) to learn more about this option.
- Daniels Students enrolled in this program may be able to fulfil up to 1.5 FCE in requirement 3 from ARC courses. Consult the School of the Environment for more information.

Environmental Science Minor (Science Program) - ASMIN1555

Enrolment Requirements:

This is a limited enrolment program. Enrolment is limited and selection will be based on marks in BIO120H1 and CHM136H1/ CHM138H/ CHM135H1/CHM139H/ CHM151Y1 with an overall

average of at least 65% and a final mark of at least 60% in each course. The precise mark thresholds outlined above are an estimate of what will be required in the coming POSt admission cycle. Achieving those mark(s) does not necessarily guarantee admission to the POSt in any given year.

For more information, please email the School of the Environment's Undergraduate Student Advisor, David Powell, at ug.office.env@utoronto.ca.

Completion Requirements:

First Year (1.5 FCE):

1. BIO120H1; 0.5 FCE from CHM136H1/CHM138H/ CHM135H1(recommended)/CHM139H/ CHM151Y1; 0.5 FCE from MAT135H1/ MAT137Y1/ MAT157Y1/ JMB170Y1

Higher Years (2.5 FCEs):

2. ENV221H1
3. 1.0 FCE from CHM210H1, ENV234H1, ENV237H1/ ENV238H1*, ESS262H1
4. ENV337H1/ JEE337H1
5. 0.5 FCE from courses in Group A or B**

Notes

- * ENV238H1 is for students who have previously taken PHY131H1/ PHY132H1/ PHY151H1/ PHY152H1
- ** Students should verify the prerequisites for the courses listed under the groups below in advance of their course selection.
- BIO220H1 is required for all upper-year EEB 300+-series courses (Group A and B) and there are no exceptions.
- Daniels Students enrolled in this program may be able to fulfil up to 1.0 FCE of elective courses from ARC courses. Consult the School of the Environment for more information

Group A: Environmental Science

CHM310H1/ CHM410H1/ CHM415H1/ EEB319H1/ EEB321H1/ EEB328H1/ EEB365H1/ EEB428H1/ EEB430H1/ EEB433H1/ EEB440H1/ EEB465H1/ ENV334H1/ ENV341H1/ ENV346H1/ ENV430H1/ ENV432H1/ ESS261H1/ ESS311H1/ ESS312H1/ ESS461H1/ ESS463H1/ GGR301H1/ GGR308H1/ GGR314H1/ GGR347H1/ GGR348H1/ GGR409H1/ JGA305H1/ PCL362H1/ PHY392H1*/ PHY492H1*

Notes: * PHY392H1 and PHY492H1 include relevant environmental content, but prerequisites for these courses cannot be used towards Group A requirements.

Group B: Environmental Science-related Field Courses

ANT330Y1/ ARH306Y1/ EEB403H1/ EEB405H1/ EEB406H1/ EEB407H1/ EEB410H1/ ENV316H1/ ENV336H1/ ENV395Y0/ ENV396Y0/ ESS330H1/ ESS410H1/ ESS450H1/ GGR390H1

Environmental Studies Major (Arts Program) - ASMAJ1254

Completion Requirements:

For more information, please email the School of the Environment's Undergraduate Student Advisor, David Powell, at ug.office.env@utoronto.ca.

(7 FCE or their equivalent, including at least 2.5 FCE at the 300+ level and 0.5 FCE at the 400 level)

First Year

Students must complete at least 4 FCE before applying to this type 1 major. ENV100H1 is recommended but not required.

Higher Years:

1. ENV221H1; ENV222H1; ENV223H1
2. ENV200H1
3. 0.5 FCE from the following Environmental Policy, Law & Society courses: ENV320H1; ENV322H1; ENV323H1; ENV347H1; ENV350H1; ENV422H1; JGE331H1
4. 0.5 FCE from among the following Environmental Thought & Ethics courses: ENV333H1; JGE321H1; CLA373H1; PHL273H1; WGS273H1
5. One of ENV421H1/ ENV440H1/ ENV451H1/ ENV461H1.
6. An additional 3.5 FCE of courses from any combination of courses listed in the three groups below*, with no more than 1 FCE from the Science group.

*Students may choose to take courses across the three groups or within a particular group, depending on their interest.

Note: Daniels Students enrolled in this program may be able to fulfil up to 1.5 FCE in requirement 6 from ARC courses. For more information, please email the School of the Environment's Undergraduate Student Advisor, David Powell, at ug.office.env@utoronto.ca.

Environmental Studies Minor (Arts Program) - ASMIN1254

Completion Requirements:

For more information, please email the School of the Environment's Undergraduate Student Advisor, David Powell, at ug.office.env@utoronto.ca.

(4 FCE or their equivalent, including at least 1.5 FCE at the 300+ level)

First Year:

Students must complete at least 4 FCE before applying to this type 1 minor. ENV100H1 is recommended but not required.

Higher Years:

1. ENV221H1; ENV222H1
2. ENV200H1
3. An additional 2.5 FCE, a maximum 1.0 of which may be environmental courses offered by academic units other than the School of the Environment (from Group A below). The remainder must be selected from the following: ENV261H1; ENV281H1; ENV282H1; ENV307H1; ENV320H1; ENV322H1; ENV323H1; JGE321H1; JGE331H1; ENV333H1; ENV335H1; ENV347H1; ENV350H1; ENV361H1; ENV362H1; ENV381H1; ENV382H1; ENV395Y0; ENV396H0; ENV396Y0; ENV421H1*; ENV422H1*; ENV430H1*; ENV431H1*; ENV440H1*; ENV461H1; ENV462H1; PHL273H1

*Note: with permission of Undergraduate Associate Director

Note: Daniels Students enrolled in this program may be able to fulfill up to 1 FCE in requirement 3, Group A, from ARC courses. Consult the School of the Environment for more information.

Collaborative Programs

Environment & Behaviour Minor (Science Program) - ASMIN1551

Completion Requirements:

(4 full courses or their equivalent; must include at least one full course equivalent at the 300+-level).

Enrolment in the Minor program is limited to students also enrolled in the Psychology Minor/Major/Specialist.

For more information, please email the School of the Environment's Undergraduate Student Advisor, David Powell, at ug.office.env@utoronto.ca.

Higher Years:

1. ENV221H1, ENV222H1, PSY220H1, PSY335H1/ PSY435H1
2. One FCE from ENV333H1, ENV335H1; ENV361H1/ ENV381H1 (if ENV381H1 taken in 2015-16 or 2016-17); JGE321H1; JGE331H1
3. One FCE from PSY320H1, PSY321H1, PSY327H1/ PSY427H1, PSY336H1

Environment & Health Major (Science Program) - ASMAJ0365

Description:

From air pollution and water contamination to climate change, the anthropogenic impact on our environment has significant repercussions on human health. A collaboration between the School of the Environment and Human Biology, the objective of the Environment and Health program is to provide students with instruction in fundamental biological sciences and to integrate a broad understanding of the environmental determinants of health.

For more information, please email the School of the Environment's Undergraduate Student Advisor, David Powell, at ug.office.env@utoronto.ca.

Enrolment Requirements:

This is an unlimited enrolment program. All students who have completed at least 4.0 courses, including the Year 1 requirements below, are eligible to enrol.

Completion Requirements:

Required Courses (8.0 FCE)

Year 1: Students must complete Year 1 requirements 1 and 2 prior to entering POSt:

1. BIO120H1; BIO130H1

2. (CHM136H1/ CHM138H1; CHM135H1/ CHM139H1)/ CHM151Y1 (Only transfer credits that carry exclusions to CHM136H1/ CHM138H1 and/or CHM135H1/ CHM139H1 will be accepted)

3. GGR100H1/ JEG100H1/ GGR101H1/ ESS102H1/ GLG102H1/ MAT135H1/ PHY131H1/ PSY100H1

Year 2: Foundations in environment and health

4. BCH210H1/ CHM247H1
5. BIO220H1; BIO230H1/ BIO255H1
6. HMB265H1/ BIO260H1

7. 1.0 FCE from environmental core courses: ENV221H1/ ENV222H1/ ENV234H1/ ENV337H1/ JEE337H1

Year 3: Third year core courses

8. ENV341H1
9. PSL300H1; PSL301H1

Years 3 or 4:

10. 0.5 FCE from environment and health relevant courses:
HMB302H1/ HMB303H1/ HMB312H1/ HMB314H1/ HMB322H1/
HMB390H1/ HMB496Y1/ HMB499Y1/ ANA300Y1/ ANA301H1/
BCH311H1/ CSB349H1/ PSL350H1/ BCH370H1/ CHM310H1/
CSB325H1/ CSB327H1/ CSB328H1/ CSB331H1/ CSB346H1/
CSB347H1/ CSB350H1/ CSB351Y1/ EEB318H1/ EEB319H1/
EEB321H1/ EEB328H1/ EEB362H1/ EEB375H1/ EEB428H1/
ENV315H1/ ESS425H1/ ENV316H1/ ENV336H1/ GGR303H1/
GGR305H1/ GGR409H1/ GGR347H1/ GGR348H1/ HIS423H1/
HST405H1/ JGE347H1/ JGE348H1/ ESS311H1/ ESS312H1/
ESS463H1/ IMM334Y1/ LMP301H1/ LMP363H1/ MGY377H1/
NFS382H1/ NFS386H1/ NFS488H1/ PSL372H1/ PSL420H1/
PSY435H1

Year 4: Environment & Health Capstone Course

11. JEH455H1

E&H Major Program Note:

- Not all non-ENV courses listed in requirement 10 above have priority enrolment for the Environment & Health Major. Students are responsible for checking the priority of courses, as well as meeting course prerequisites for courses they wish to take.

Environment & Health Specialist (Science Program) - ASSPE0365

Description:

From air pollution and water contamination to climate change, the anthropogenic impact on our environment has significant repercussions on human health. A collaboration between the School of the Environment and Human Biology, the objective of the Environment and Health program is to provide students with

instruction in fundamental biological sciences and to integrate a broad understanding of the environmental determinants of health.

For more information, please email the School of the Environment's Undergraduate Student Advisor, David Powell, at ug.office.env@utoronto.ca.

Enrolment Requirements:

This is a Type 1 unlimited enrolment program. All students who have completed at least 4.0 courses, including the Year 1 requirements below, are eligible to enrol.

Completion Requirements:

(14 full courses or their equivalent which includes fulfillment of the Faculty's Distribution requirements; must include at least four 300+-series courses, one of which must be at the 400-level)

Year 1: Students must complete Year 1 requirements 1 and 2 prior to entering POST:

1. BIO120H1; BIO130H1

2. (CHM136H1/ CHM138H1; CHM135H1/ CHM139H1/ CHM151Y1
(Only transfer credits that carry exclusions to CHM136H1/ CHM138H1 and/or CHM135H1/ CHM139H1 will be accepted)

3. 1 full course or its equivalent in half courses from among:
GGR100H1/ JEG100H1/ GGR101H1/ MAT135H1/ MAT136H1/ JMB170Y1/ PHY131H1/ PHY132H1/ PHY151H1/ PHY152H1/ PSY100H1

Year 2: Foundations of environment and health

4. BCH210H1/ CHM247H1

5. BIO220H1; BIO230H1/ BIO255H1

6. HMB265H1/ BIO260H1

7. ENV221H1; ENV222H1

8. ENV234H1; ENV337H1/ JEE337H1

9. PHL273H1

Year 3: Selected topics in environment and health with greater depth.

10. STA220H1/ STA288H1; STA221H1

11. BCH311H1/ CSB349H1/ LMP363H1/ NFS284H1/ PSL300H1, PSL301H1/ PSL350H1

12. JGE321H1; ENV341H1

13. 1.0 FCE from: CHM210H1/ ENV334H1/(only one from ENV233H1/ ESS261H1/ GGR203H1/ GGR303H1/ GGR314H1/ PHY231H1)

Years 3 & 4:

14. 1.5 FCE from environment and health relevant courses:
HMB302H1/ HMB303H1/ HMB312H1/ HMB314H1/ HMB322H1/ HMB390H1/ HMB496Y1/ HMB499Y1/ ANA300Y1/ ANA301H1/ BCH311H1/ CSB349H1/ PSL350H1/ BCH370H1/ CHM310H1/ CSB325H1/ CSB327H1/ CSB328H1/ CSB331H1/ CSB346H1/ CSB347H1/ CSB350H1/ CSB351Y1/ EEB318H1/ EEB319H1/ EEB321H1/ EEB328H1/ EEB362H1/ EEB375H1/ EEB428H1/ ENV315H1/ ESS425H1/ ENV316H1/ ENV336H1/ ESS463H1/ GGR303H1/ GGR305H1/ GGR409H1/ GGR347H1/ GGR348H1/ HIS423H1/ HST405H1/ JGE347H1/ JGE348H1/ ESS311H1/ ESS312H1/ IMM334Y1/ LMP301H1/ LMP363H1/ MGY377H1/ NFS382H1/ NFS386H1/ NFS488H1/ PSL372H1/ PSL420H1/ PSY435H1 or any other approved course for which the student has appropriate prerequisites. The 1.5 FCE can be chosen to reflect the particular academic interests of each student.

Year 4: Advanced topics in environment and health with emphasis on primary research and critical analysis

15. ENV421H1/ ENV492H1*/ ENV493H1* or a minimum of 0.5 FCE from any approved departmental or college independent research project (*the research topic for these courses must be related to environment and health)

16. JEH455H1

E&H Specialist Program Note:

- Not all non-ENV courses listed in requirement 14 above have priority enrolment for the Environment & Health Specialist. Students are responsible for checking the priority of courses, as well as meeting course prerequisites for courses they wish to take.

Environment & Toxicology Specialist (Science Program) - ASSPE0605

Description:

This program is jointly sponsored by the Department of Pharmacology and Toxicology and the School of the Environment. For additional information see "School of the Environment" (www.environment.utoronto.ca) or consult our website: www.pharmtox.utoronto.ca.

The Environment and Toxicology Specialist program is an interdisciplinary program which spans the social, physical and life sciences and integrates study of the effects of chemicals not only on the health and behaviour of human beings but on whole ecosystems as the adverse effects associated with therapeutic and environmental chemicals are discussed. This program emphasizes the application of knowledge of environmental toxicology and risk assessment and prepares students for a variety of job opportunities following its completion. Graduates of the Environment and Toxicology program may pursue careers in scientific research, environmental science, conservation science, governmental agencies, consulting agencies, and within chemical, manufacturing or agriculture industries. Students learn to integrate basic environmental and life science with particular aspects of clinical toxicology and related areas through lectures, tutorials, and laboratory and independent research project experience. The senior independent research project course enables students to gain valuable research experience while working under the supervision of

an individual faculty member in either a laboratory-based or a non-laboratory-based setting.

The Professional Experience Year (PEY) internship program is a 12-16 month paid employment placement within pharmaceutical/biotechnology/chemical companies, university research laboratories, university-affiliated organizations, consulting companies or government research agencies. The PEY takes place between the 3rd and 4th years of undergraduate study and is open to Specialists in Pharmacology and Biomedical Toxicology who have a cGPA of at least 3.0. Students who participate in this program agree to return to their SPE program in the Department to complete their 4th year and their degree. The PEY internship provides an excellent opportunity for real-world experience in drug development, project management, client relations, basic and clinical research, information management and regulatory affairs.

Enrolment Requirements:

The Environment and Toxicology Specialist is a Type 2L program and can only accommodate a limited number of students. Admission into this program is determined by a student's average in the following courses: BIO120H1, BIO130H1, CHM135H1, CHM136H1 and one full course equivalent from any of PHY131H1, PHY132H1, MAT135H1, MAT136H1. It is expected that a cumulative average 70% in the selected courses will be required for admission; however, achieving that mark does not necessarily guarantee admission to the program in any given year. **Entry into the program** requires completion of BIO120H1, BIO130H1; CHM135H1, CHM136H1; one FCE from any of PHY131H1, PHY132H1, MAT135H1, or MAT136H1. See the Arts & Science Program Enrolment website for application procedures.

NOTE: Students cannot combine a Biomedical Toxicology Major program with an Environment and Toxicology Specialist program for their degree.

Students who wish to enroll in the program **after** their second year will be considered on a case-by-case basis. Successful completion of required prerequisite courses is required to enroll in further upper-level program courses.

Completion Requirements:

(14 full courses or their equivalent, including 4.0 300+-level courses, 1.0 of which must be at the 400-level).

First Year: BIO120H1; BIO130H1; CHM135H1; CHM136H1; and at least 1.0 FCE from PHY131H1; PHY132H1; MAT135H1; MAT136H1

Second Year: BCH210H1; BIO230H1/ BIO255H1; ENV221H1; ENV222H1, PCL201H1 and CHM247H1. One FCE from (BIO270H1, BIO271H1)/ (PSL300H1, PSL301H1) (see NOTE 1)

Third and Fourth Years: BIO220H1; ENV234H1; JGE321H1; ENV334H1; CHM210H1; PCL302H1; PCL362H1; (PCL482H1, PCL483H1)/ PCL473Y1

One from STA220H1/ STA221H1/ STA288H1/ EEB225H1 (see NOTE 2)

One from ENV421H1/ PCL367H1/ PCL474Y1 (see NOTE 2)

At least 1.0 FCE from: ENV341H1; PHY231H1; ENV337H1/ JEE337H1; CHM310H1; ESS463H1; JPM300H1; PCL477H1; PCL481H1; PCL484H1; PCL486H1; PCL490H1; LMP301H1; LMP363H1 (see NOTE 3)

An Integrative, Inquiry-Based Activity Requirement must be satisfied.

The requirement for an integrative, inquiry-based and/or experiential activity must be met by completing at least one of the following:

PCL297H1, PCL367H1, PCL397Y0, ENV421H1, PCL474Y1,

Professional Experience Year

NOTES:

1. PSL300H1 and PSL301H1 require MAT100/ PHY100 -series courses.

2. PCL201H1, and PCL302H1 are pre-requisites for students intending to take PCL474Y1. Students intending to take PCL474Y1 must obtain permission from the Undergraduate Student Advisor of the School of the Environment 3 months prior to the intended date of enrolment. Students must also consult with the Department of Pharmacology and Toxicology at least 3 months prior to the intended date of enrolment.

3. Students taking PCL481H1 must take PCL302H1 and PCL362H1 as prerequisites. Students taking PCL477H1 must take BCH210H1 prior. **Students taking ENV421H1 or PCL367H1 must take 1.5 FCE from program electives requirement list of courses to ensure 15 FCE program credits.**

Environment and Energy Minor (Science Program) - ASMIN1552

Description:

Environment and Energy (Science Program) Joint Program with the School of the Environment

Jointly sponsored by the School of the Environment and the Department of Geography, this interdisciplinary program addresses the scientific, technological, environmental and policy aspects of energy use and supply, with a focus on the reduction of environmental impacts.

Note that the four full course equivalents that constitute the Minor Program are those listed below under Higher Years. Consult David Powell, Undergraduate Student Advisor, School of the Environment, Room 1049A, Earth Sciences Centre, 416-946-8100 or david.powell@utoronto.ca

Completion Requirements:

First Year Courses: One FCE from (MAT135H1, MAT136H1)/ MAT137Y1, and at least one FCE from CHM138H1/ CHM136H1, CHM139H1/ CHM135H1, CHM151Y1, PHY131H1, PHY132H1, PHY151H1, PHY152H1

All of: ENV221H1, ENV222H1/ GGR223H1 (1.0 FCE)

All of: ENV346H1, ENV350H1, ENV450H1 (1.5 FCE)

Any two of: GGR310H1/ FOR310H1, GGR314H1, GGR347H1, GGR348H1 (1.0 FCE)

Any one of: CHM210H1, CHM310H1, CHM415H1, ENV237H1, ENV238H1, FOR310H1*/ GGR310H1*, FOR410H1, GGR203H1, GGR314H1*, GGR347H1*, GGR348H1*, HPS313H1, PHY231H1, PHY250H1 (* if not taken for the requirement immediately above) (0.5 FCE)

Total FCEs: 4.0

Environmental Chemistry Specialist (Science Program) - ASSPE2543

Description:

Consult Professor J. Murphy, Department of Chemistry (416-946-0260 or jmurphy@chem.utoronto.ca)

Jointly sponsored by the School of the Environment and the Department of Chemistry, this program focuses on analytical theory, instrumentation and methodological aspects of organic and inorganic contaminants in soil, water, air and biological tissues.

Enrolment Requirements:

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required courses will be eligible to enrol. Consult the Arts & Science Program Enrolment website at <http://www.artsci.utoronto.ca/current/program> for details.

Courses for admission: CHM135H1/CHM139H and CHM136H1/CHM138H or CHM151Y1 with a minimum mark of 63%.

Completion Requirements:

(14 full courses or their equivalent, including at least one 400-series full-course equivalent)

First Year: (BIO120H1, BIO130H1/ BIO220H1); CHM151Y1 (strongly recommended)/(CHM135H1/CHM139H, CHM136H1/CHM138H); (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1

First or Second Year: (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Second and Higher Years:

1. CHM217H1, (CHM220H1/ CHM222H1, CHM223H1), CHM238Y1, CHM247H1/ CHM249H1; (CHM210H1, GGR203H1/ GGR314H1), STA220H1/ GGR270H1
2. CHM310H1, CHM410H1, CHM415H1; ENV234H1, (ENV221H1, ENV222H1), ENV334H1/ ENV341H1/ ENV346H1
3. One additional FCE from 300/400-series CHM courses
4. ENV421H1/ CHM499Y1/ PHC489Y1/ CHM398H0 (in areas relevant to the program with prior approval by the Department)
5. Further courses from any 300/400 series courses with DR=SCI, BR=4 or BR=5 such that the total FCE for the specialist is 14.

Environmental Ethics Major (Arts Program) - ASMAJ1107

Completion Requirements:

Jointly sponsored by the School of the Environment and the Department of Philosophy, this program explores how value judgments and worldviews affect environmental decision making. For more information, please email the School of the Environment's

Undergraduate Student Advisor, David Powell, at ug.office.env@utoronto.ca.

(6.0 full courses or their equivalent)

1. ENV221H1, ENV222H1; PHL273H1; JGE321H1
2. One FCE from PHL373H1; ENV333H1; JGE331H1
3. 0.5 FCE from among ENV421H1/ ENV492H1/ ENV493H1, ENV440H1, ENV451H1
4. 2.5 FCE's from Group A below.

Group A:

ANT450H1; ECO105Y1; ENV333H1; ENV335H1; ENV347H1; FOR302H1; GGR321H1; JAG321H1; HIS318Y1; HPS202H1, HPS307H1; INS402H1; JGE331H1; PHL373H1 PHL275H1, PHL295H1, PHL375H1, PHL394H1, PHL395H1, PHL413H1; PSY335H1/ PSY435H1; RLG318H1/ RLG228H1, RLG345H1, RLG484H1; VIC271H1; WGS273H1/ WGS273Y1

Environmental Ethics Minor (Arts Program) - ASMIN1107

Description:

Jointly sponsored by the School of the Environment and the Department of Philosophy, this program explores how value judgments and worldviews affect environmental decision making. For more information, please email the School of the Environment's Undergraduate Student Advisor, David Powell, at ug.office.env@utoronto.ca.

Completion Requirements:

(4 full courses or their equivalent; must include at least one full-course equivalent at the 300+-level)

1. PHL273H1
2. One of PHL373H1, ENV333H1; JGE321H1, JGE331H1
3. ENV221H1, ENV222H1
4. Two additional FCE's in PHL, with at least one half course at the 300+ level. It is recommended that one course be in the History of Philosophy and the other in the Problems of Philosophy, including one half-course in ethics.

Environmental Geosciences Specialist (Science Program) (Science Program) - ASSPE1253

Description:

The Environmental Geosciences specialist program explains the interconnectedness within the Earth system (biosphere, hydrosphere, atmosphere, and geosphere), measures and models processes related to groundwater and biochemical activities, and assesses the effects of human activities on our geological surroundings.

Jointly sponsored by the School of the Environment and the Department of Earth Sciences. Topics include earth materials, sedimentary geology, aqueous geochemistry, hydrogeology and biogeochemistry. For more information, please contact the Department of Earth Sciences, undergradchair@es.utoronto.ca.

Students should note that under the Professional Geoscientists Act of 2000, individuals practicing Environmental Geoscience in Ontario require education that fulfills APGO knowledge requirements (see note below) or a P.Eng.

Completion Requirements:

(12 full courses or their equivalent which includes fulfillment of the Faculty's Distribution requirement, including at least one FCE from 400-series courses)

1st year required courses (2 FCE): CHM151Y1/(CHM135H1, CHM136H1), MAT135H1, PHY131H1/ PHY151H1

1st year elective courses: 1 FCE from MAT136H1, PHY132H1/ PHY152H1, ENV237H1/ ENV238H1, BIO120H1, CSC108H1/ ESS345H1, JEG100H1

2nd year required courses (2 FCE): ESS241H1, ESS223H1/ ENV233H, ESS262H1, GGR201H1

2nd year elective courses: 1 FCE from ESS221H1, ESS222H1, ESS261H1, STA220H1/ GGR270H1, CHM210H1, MAT221H1/ MAT223H1; up to 0.5 FCE of this requirement can be satisfied by taking one of the following ethics courses: IMC200H1/ PHL273H1/ PHL275H1/ ABS201Y1

3rd and 4th year required courses (2 FCE): ESS311H1, ESS312H1, ESS410H1, ESS461H1

3rd and 4th year elective courses: 4 FCE from JGA305H1, ESS234H1, ESS330H1, ESS331H1, ESS361H1, ESS362H1, GGR337H1, GGR390H1, ENV333H1, ESS431H1, ESS441H1, ESS445H1, ESS450H1, ESS462H1, ESS463H1, ESS464H1, ESS490H1, ESS491H1, ESS492Y1

If you plan to become APGO certified, we suggest you consider the following courses to fulfill minimum qualifications. This list comprises courses which are required for the specialist as well as suggested courses; together they fulfill groups 1A, 1B, 2A and 2B of the APGO requirements and add up to 13.5 FCE:

Group 1A: CHM135H1, MAT135H1, PHY131H1

Group 1B: BIO120H1, MAT136H1, CHM136H1, PHY132H1, STA220H1, CSC108H1/ ESS345H1

Group 2A: ESS221H1, ESS241H1, ESS234H1/ ESS330H1, ESS331H1

Group 2B: ESS223H1/ENV233H, ESS312H1, GGR201H1, GGR337H1, JGA305H1

Group 2C: 4.5 FCE of 200/300/400 level ESS or other allowable courses

For more information, please contact the Department of Earth Sciences, ugrad@es.utoronto.ca.

Directed Minors

Environmental Anthropology Minor (Arts Program) - ASMIN1291

Completion Requirements:

A program focused on understanding the diverse nature of interactions between humans and their environments, both in the past and in modern global society. Consult the Undergraduate Office, Department of Anthropology (416-978-6414).

(4 full courses or their equivalent; must include at least one full-course equivalent at the 300+-level)

1. ANT100Y1/(ENV221H1, ENV222H1/ GGR222H1)/ ENV222Y1/ GGR222Y1
2. ANT200Y1/ (ANT204H1 + ANT207H1/0.5 300 level Social Anthropology course)
3. Two FCE's from: ANT315H1, ANT336H1, ANT346H1, ANT351H1, ANT364H1, ANT366H1, ANT368H1, ANT371H1, ANT374H1, ANT376H1, ANT409H1, ANT410H1, ANT415Y1, ANT420H1, ANT430H1, ANT450H1, INS250H1, INS402H1

Environmental Biology Minor (Science Program) - ASMIN1390

Description:

Environmental science is an interdisciplinary field that integrates biological, chemical, and physical sciences to study human interactions with their environment. The **Environmental Biology Minor** program (4 FCEs) provides students an introduction to biology that is essential to understand the impact of humans on other organisms and their environments. It provides students with an understanding of ecology, the diversity and function of living organisms, the physical and chemical environment, and the ways organisms interact with, and affect, ecosystem processes. Students are exposed to ecosystem management, issues related to environmental change, and the consequences of interactions between humans and the environment.

Completion Requirements:

(4 FCEs; must include at least one full-course equivalent at the 300+ series)

1. 1.5 FCEs: BIO120H1; BIO220H1; ENV234H1 (cannot be substituted with EEB375H1)

2. 0.5 FCE in organismal biology: EEB266H1, EEB267H1, EEB268H1

3. 2.0 FCEs (at least 1.0 FCEs at 300+ series)

A. core ecology and evolution (no more than 1.0 FCEs): EEB318H1, EEB319H1, EEB321H1, EEB322H1, EEB324H1, EEB328H1

B. biological diversity (no more than 0.5 FCE): EEB263H1, EEB266H1, EEB267H1, EEB268H1, EEB330H1, EEB331H1,

[EEB340H1](#), [EEB380H1](#), [EEB382H1](#), [EEB384H1](#), [EEB386H1](#),
[EEB388H1](#)

C. field courses (no more than 0.5 FCE): [EEB403H0](#), [EEB403H1](#),
[EEB405H0](#), [EEB405H1](#), [EEB406H0](#), [EEB406H1](#), [EEB407H0](#),
[EEB407H1](#), [EEB410H0](#), [EEB410H1](#)

D. no more than 1.0 FCEs from: [BIO251H1](#), [EEB255H1](#), [EEB362H1](#),
[EEB365H1](#), [EEB428H1](#), [EEB433H1](#); [ENV334H1](#) (recommended),
[ENV432H1](#); [NUS201H0](#), [NUS301H0](#), [NUS302H0](#), [NUS303H0](#),
[NUS304H0](#), [NUS401H0](#)*

*More information about NUS courses and programs can be found on the [Biology Calendar](#) section

Environmental Chemistry Minor (Science Program) - ASMIN2543

Description:

Consult Professor J. Murphy, Department of Chemistry

Environmental chemistry is the study of the chemical impacts of humankind's activities on the soil, air, and water. This minor provides a balanced fundamental background in chemistry as well as an introduction to the major issues associated with environmental chemistry.

Completion Requirements:

(4 full courses or their equivalent; must include at least one full-course equivalent at the 300+ level)

1. ([CHM135H1](#)/ [CHM139H1](#), [CHM136H1](#)/ [CHM138H1](#))/
[CHM151Y1](#)
2. One full course equivalent from [CHM217H1](#), [CHM220H1](#)/
[CHM222H1](#)/ [CHM225Y1](#), [CHM238Y1](#), [CHM247H1](#)/
[CHM249H1](#)
3. [CHM210H1](#)
4. [CHM310H1](#), and any two of [CHM317H1](#), [CHM410H1](#),
[CHM415H1](#)

Environmental Economics Minor (Arts Program) - ASMIN1438

Enrolment Requirements:

Consult Undergraduate Administrator, Department of Economics
(416-978-8616)

This is a limited enrolment (Type 2) program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Required courses: [ECO101H1](#) with a final mark of at least 63% and [ECO102H1](#) with a final mark of at least 63%, OR
[ECO105Y1](#) with a final mark of at least 80%, and
[MAT133Y1](#) with a final mark of at least 63%, OR
[MAT135H1](#) with a final mark of at least 60% and [MAT136H1](#) with a final mark of at least 60%, OR
[MAT137Y1](#) with a final mark of at least 55%, OR
[MAT157Y1](#) with a final mark of at least 55%.

Completion Requirements:

(4 full courses or their equivalent)

1. [ECO100Y1](#)/ [ECO101H1](#)+ [ECO102H1](#)/ [ECO105Y1](#)
2. [MAT133Y1](#)/ [MAT135Y1](#)/ [MAT137Y1](#)
3. [ECO200Y1](#)/ [ECO204Y1](#)/ [ECO206Y1](#)
4. One full ECO course at the 300+ level, including at least one of [ECO313H1](#) and/or [ECO314H1](#)

Note:

Students enrolled in this Minor program cannot be enrolled in any other program in Economics.

Environmental Geography Minor (Arts Program) - ASMIN1252

Description:

A focus on the human-environment nexus is most explicit in these programs. Students learn about the social, spatial, and biophysical processes that shape society's relationship to nature, management of resources, and contemporary environmental change. These programs appeal to non-science students who seek an environmental program that allows them to learn more about the natural processes that interact with social factors in shaping environments. These programs offer training in quantitative and qualitative research methods, including GIS and Remote Sensing.

Enrolment Requirements:

There are no entry requirements for this program.

Completion Requirements:

First Year Geography Courses: Any course (0.5 FCE) from [GGR107H1](#) (recommended), [GGR100H1](#), [JEG100H1](#), [GGR101H1](#), [GGR112H1](#), [GGR124H1](#). 200/300-level GGR courses may also be used to meet this requirement. Contact the Undergraduate Administrator to update your program.

Core Course: All (0.5 FCE) of [GGR223H1](#)

Physical and Environmental Geography Course: Any course (0.5 FCE) from [GGR201H1](#), [GGR203H1](#), [GGR205H1](#), [GGR206H1](#), [GGR305H1](#), [GGR308H1](#), [GGR314H1](#), [GGR347H1](#), [GGR348H1](#), [ENV200H1](#), [ENV234H1](#)

Applications: Any 5 courses (2.5 FCEs) from Group A; up to 1.0 FCE can be from Group B.

Note: At least 1.0 FCE must be 300/400 series courses.

Total FCEs: 4.0

Environmental Geosciences Minor (Science Program) - ASMIN1253

Enrolment Requirements:

Admission to the Environmental Geosciences Minor has been administratively suspended as of 1 April 2015 and is no longer admitting students. Students presently enrolled in the minor will be able to complete the program requirements as described below.

Completion Requirements:

(4 full courses or their equivalent; must include at least one full-course equivalent at the 300+-level)

1. CHM136H1 (CHM138H1)
2. ENV233H1; ESS221H1, ESS222H1, ESS311H1, ESS312H1, ESS410H1

Geographic Information Systems Minor (Arts Program) - ASMIN0305

Description:

The GIS program covers the on theoretical, technical and applied foundations for geographic information systems. Students learn methods for spatial data production, analysis and presentation using computer cartography, spatial analysis, remote sensing, and geovisualization. Problem solving and project design are emphasized in upper level courses, as students apply techniques to answer specific geographic questions. The GIS program is structured to provide a stand-alone minor for students in Geography and other disciplines seeking complementary skills in spatial analysis (e.g., field biology, archaeology).

Note: Students combining this program with a Specialist/Major sponsored by the Department of Geography will normally be allowed to count only 1.5 (of the 4.0) FCEs towards both programs.

Enrolment Requirements:

There are no entry requirements for this program.

Completion Requirements:

First Year Geography Courses: Any 2 courses (1.0 FCE) from GGR100H1/ JEG100H1, GGR101H1, GGR107H1, GGR112H1, GGR124H1. 200/300 level GGR courses may also be used to meet this requirement. Contact the Undergraduate Administrator to update your program.

Methods & Core Courses: All (2.0 FCEs) of GGR270H1, GGR272H1, GGR273H1, GGR373H1

Applications: Any 2 courses (1.0 FCE) from GGR225H1, GGR337H1, GGR372H1, GGR386H1, GGR413H1, GGR414H1, GGR462H1, GGR472H1, GGR473H1, GGR491Y1, GGR492H1,

GGR493Y1 (0.5 FCE can be used based on internship), GGR497H1, GGR498H1, GGR499H1, JFG470H1, JFG475H1

Note: At least 1.0 FCE must be 300/400 series courses

Total FCEs: 4.0

Physical and Environmental Geography Minor (Science Program) - ASMIN2030

Description:

Physical and Environmental Geography offers science-based programs for students interested in an integrative approach to understanding the earth's biotic and abiotic systems, including their spatial dynamics and the ways they are altered by human action. The programs provide a foundation in the subfields of climatology, biogeography, hydrology, and geomorphology. Students gain practical experience in lab and field settings. Technical skills taught also include data analysis, geospatial analytical tools, including GIS and Remote Sensing.

Enrolment Requirements:

There are no entry requirements for this program.

Completion Requirements:

First Year Geography Courses: Any 2 courses (1.0 FCE) from GGR100H1/ JEG100H1 (recommended), GGR101H1, GGR107H1, GGR112H1, GGR124H1

Core Courses: Any 2 courses (1.0 FCE) from GGR201H1, GGR203H1, GGR205H1, GGR206H1

Methods Courses: One (0.5 FCE) of GGR301H1/ GGR305H1, GGR308H1 and one (0.5 FCE) of GGR272H1/ GGR337H1

Applications: Any 2 courses (1.0 FCE) from GGR201H1, GGR203H1, GGR205H1, GGR206H1, GGR301H1, GGR305H1, GGR307H1, GGR308H1, GGR310H1/ FOR310H1, GGR314H1, GGR347H1, GGR348H1, GGR390H1, GGR401H1, GGR405H1, GGR413H1; GGR414H1

Total FCEs: 4.0

Course Groups

Environmental Studies Major Group A: Environmental Policy, Law & Society Courses

- ANT346H1 Anthropology of Food
- ANT351H1 Contested Environments
- ANT364H1 Environment & Globalization
- ANT371H1 Human Nutritional Ecology
- ANT374H1 Rethinking Development, or the Improvement of the World
- ECO313H1 Environmental Economics and Policies

- [ECO314H1 Energy and the Environment](#)
- [ECO414H1 Energy and Regulation](#)
- [ENV261H1 Is the Internet Green?](#)
- [ENV281H1 Special Topics in Environment](#)
- [ENV282H1 Special Topics in the Environment](#)
- [ENV307H1 Urban Sustainability](#)
- [ENV320H1 National Environmental Policy](#)
- [ENV322H1 International Environmental Policy](#)
- [ENV323H1 Ontario Environmental Policy](#)
- [ENV335H1 Environmental Design](#)
- [ENV347H1 The Power of Economic Ideas](#)
- [ENV350H1 Energy Policy and Environment](#)
- [ENV361H1 Social Media and Environmentalism](#)
- [ENV362H1 Energy & Environment: Transitions in History](#)
- [ENV381H1 Special Topics in Environment](#)
- [ENV382H1 Special Topics in Environment](#)
- [ENV422H1 Environmental Law](#)
- [ENV462H1 Energy and Environment: Economics, Politics, and Sustainability](#)
- [FOR302H1 Societal Values and Forest Management](#)
- [FOR303H1 Human Dimensions of Global Forests](#)
- [FOR310H1 Bioenergy from Sustainable Forest Management](#)
- [GGR310H1 Bioenergy from Sustainable Forest Management](#)
- [GGR321H1 Indigenous Worlds, Worldviews and the Environment](#)
- [GGR329H1 The Global Food System](#)
- [GGR334H1 Water Resource Management](#)
- [GGR338H1 Environmental Issues in the Global South](#)
- [GGR341H1 Changing Geography of Latin America](#)
- [GGR349H1 Managing Urban Natures](#)
- [GGR416H1 Environmental Impact Assessment](#)
- [GGR418H1 Political Economy of Natural Resources](#)
- [GGR434H1 Building Community Resilience](#)
- [GGR438H1 Environment and Development](#)
- [HIS300H1 Energy and Environment in North American History](#)
- [HPS307H1 History of Energy](#)
- [HPS313H1 Two Hundred Years of Electricity](#)
- [HPS316H1 Environment, Technology, and Nature](#)
- [HPS324H1 Natural Science and Social Issues](#)
- [JGE321H1 Multicultural Perspectives on Environmental Management](#)
- [JGE331H1 Resource and Environmental Theory](#)
- [POL384H1 Global Environmental Governance from the Ground Up](#)
- [POL413H1 Global Environmental Politics](#)
- [RSM466H1 Environmental and Social Responsibility](#)

Environmental Studies Major Group B: Environmental Thought & Ethics Courses

- [INS250H1 Indigenous Environmental Science and Practice \(formerly Indigenous Environmental Education\)](#)
- [INS402H1 Traditional Indigenous Ecological Knowledge](#)
- [ANT353H1](#)
- [ANT368H1 Nature Culture Human](#)
- [ANT376H1 Anthropology of Animals](#)
- [CLA373H1 The Environment in the Greco-Roman World](#)
- [ENV333H1 Ecological Worldviews](#)

- [FOR302H1 Societal Values and Forest Management](#)
- [FOR303H1 Human Dimensions of Global Forests](#)
- [GGR321H1 Indigenous Worlds, Worldviews and the Environment](#)
- [GGR419H1 Environmental Justice](#)
- [HPS316H1 Environment, Technology, and Nature](#)
- [JGE321H1 Multicultural Perspectives on Environmental Management](#)
- [JUG320H1 The Canadian Wilderness](#)
- [PHL273H1 Environmental Ethics](#)
- [PHL373H1 Issues in Environmental Ethics](#)
- [PSY435H1 Environmental Psychology](#)
- [RLG228H1](#)
- [RLG318H1 Religion and Nature](#)
- [RLG345H1 Social Ecology and Judaism](#)
- [RLG484H1 Religion and the Environment](#)
- [VIC271H1 Reading the Wild](#)
- [WGS273H1 Gender & Environmental \(In\)Justice](#)
- [WGS273Y1](#)

Environmental Studies Major Group C: Environmental Science Courses

- [EEB204H1](#)
- [ENV234H1 Environmental Biology: Structure and Function of Ecosystems](#)
- [ENV262H1 The Science of Energy in the Environment](#)
- [ENV337H1 Human Interactions with the Environment](#)
- [JEE337H1](#)
- [ENV341H1 Environment and Human Health](#)
- [ENV395Y0 Special Topics Field Course](#)
- [ENV396H0 Special Topics Field Course](#)
- [ENV396Y0 Special Topics Field Course](#)
- [ENV430H1 Environment and Health in Vulnerable Populations](#)
- [ENV431H1 Urban Sustainability & Ecological Technology](#)
- [FOR200H1 Conservation of Canada's Forests](#)
- [FOR201H1 Conservation of Tropical and Subtropical Forests](#)
- [FOR400Y1 Advanced Seminar in Forest Conservation](#)
- [FOR401H1 Research Paper/Thesis in Forest Conservation](#)
- [GGR272H1 Geographic Information and Mapping I](#)
- [GGR273H1 Geographic Information and Mapping II](#)
- [GGR314H1 Global Warming](#)
- [GGR337H1 Environmental Remote Sensing](#)
- [ESS205H1 Confronting Global Change](#)
- [JEH455H1 Current Issues in Environment and Health](#)

Environmental Studies Minor Group A

- [ANT351H1 Contested Environments](#)
- [ANT353H1](#)
- [ANT364H1 Environment & Globalization](#)
- [ANT364Y1](#)
- [ANT368H1 Nature Culture Human](#)
- [ANT450H1 Nature, Culture and the City](#)
- [APS203H1](#)
- [APS302H1](#)
- [ARC357H1](#)
- [ARC386H1](#)

- ARC387H1
- CHM210H1 Chemistry of Environmental Change
- CLA373H1 The Environment in the Greco-Roman World
- ECO313H1 Environmental Economics and Policies
- ECO314H1 Energy and the Environment
- ECO414H1 Energy and Regulation
- ENV234H1 Environmental Biology: Structure and Function of Ecosystems
- ENV262H1 The Science of Energy in the Environment
- ENV235H1
- ENV334H1 Environmental Biology: Applied Ecology
- ENV337H1 Human Interactions with the Environment
- JEE337H1
- FOR200H1 Conservation of Canada's Forests
- FOR201H1 Conservation of Tropical and Subtropical Forests
- FOR302H1 Societal Values and Forest Management
- FOR303H1 Human Dimensions of Global Forests
- FOR310H1 Bioenergy from Sustainable Forest Management
- FOR400Y1 Advanced Seminar in Forest Conservation
- FOR401H1 Research Paper/Thesis in Forest Conservation
- GGR272H1 Geographic Information and Mapping I
- GGR273H1 Geographic Information and Mapping II
- GGR310H1 Bioenergy from Sustainable Forest Management
- GGR314H1 Global Warming
- GGR321H1 Indigenous Worlds, Worldviews and the Environment
- JAG321H1
- GGR332H1
- GGR334H1 Water Resource Management
- GGR335H1
- GGR338H1 Environmental Issues in the Global South
- GGR349H1 Managing Urban Natures
- GGR416H1 Environmental Impact Assessment
- GGR418H1 Political Economy of Natural Resources
- GGR419H1 Environmental Justice
- GGR438H1 Environment and Development
- GGR473H1 Cartographic Design
- HIS300H1 Energy and Environment in North American History
- HPS307H1 History of Energy
- HPS313H1 Two Hundred Years of Electricity
- HPS316H1 Environment, Technology, and Nature
- HPS324H1 Natural Science and Social Issues
- INS250H1 Indigenous Environmental Science and Practice (formerly Indigenous Environmental Education)
- INS402H1 Traditional Indigenous Ecological Knowledge
- NEW342H1 Theory and Praxis in Food Security
- PHL373H1 Issues in Environmental Ethics
- POL384H1 Global Environmental Governance from the Ground Up
- POL413H1 Global Environmental Politics
- PSY435H1 Environmental Psychology
- RLG228H1
- RLG318H1 Religion and Nature
- RLG345H1 Social Ecology and Judaism
- RLG484H1 Religion and the Environment
- RSM466H1 Environmental and Social Responsibility
- VIC271H1 Reading the Wild
- WGS273H1 Gender & Environmental (In)Justice

- WGS273Y1
- other approved courses**

Environmental Science Minor Group A: Environmental Science

- CHM310H1 Environmental Chemistry
- CHM410H1 Analytical Environmental Chemistry
- CHM415H1 Topics in Atmospheric Chemistry
- EEB319H1 Population Ecology
- EEB321H1 Community Ecology
- EEB328H1 Physiological Ecology
- EEB365H1 Topics in Applied Conservation Biology
- EEB428H1 Global Change Ecology
- EEB430H1 Modeling in Ecology and Evolution
- EEB433H1 Global Issues in Aquatic Ecosystems
- EEB440H1 Ecology and Evolution of Plant-Animal Interactions
- EEB465H1 Advanced Topics in Biodiversity Science and Conservation Biology
- ENV334H1 Environmental Biology: Applied Ecology
- ENV341H1 Environment and Human Health
- ENV346H1 Terrestrial Energy Systems
- ENV430H1 Environment and Health in Vulnerable Populations
- ENV432H1 Urban Ecology
- ESS261H1 Earth System Evolution
- ESS311H1 Earth System Chemistry 2: Aqueous Geochemistry
- ESS312H1 Hydrogeology
- ESS461H1 Palaeoenvironmental Studies
- ESS463H1 Earth System Chemistry 3: Contaminants
- GGR301H1 Fluvial Geomorphology
- GGR308H1 Canadian Arctic and Subarctic Environments
- GGR314H1 Global Warming
- GGR347H1 Efficient Use of Energy
- GGR348H1 Carbon-Free Energy
- GGR409H1
- JGA305H1 Environmental and Archaeological Geophysics
- PCL362H1 Introductory Toxicology
- PHY392H1 Physics of Climate
- PHY492H1 Advanced Atmospheric Physics

Environmental Science Minor Group B: Environmental Science-related Field Courses

- ANT330Y1 Paleoanthropology Field School
- ARH306Y1 Archaeological Field Methods
- EEB403H1 Tropical Field Biology
- EEB405H1 Temperate Field Biology
- EEB406H1 Inter-University Field Course
- EEB407H1 Alpine Ecosystems
- EEB410H1 Lake Ecosystem Dynamics
- ENV316H1 Laboratory and Field Methods in Environmental Science
- ENV336H1 Ecology in Human-Dominated Environments
- ENV395Y0 Special Topics Field Course
- ENV396H0 Special Topics Field Course
- ENV396Y0 Special Topics Field Course
- ESS330H1

- [ESS410H1 Field Techniques in Hydrogeochemistry](#)
- [ESS450H1 Geophysical Field Techniques](#)
- [GGR390H1 Field Methods](#)

Environmental Science Major Group A: Environmental Science

- [BIO220H1 From Genomes to Ecosystems in a Changing World](#)
- [CHM310H1 Environmental Chemistry](#)
- [CHM410H1 Analytical Environmental Chemistry](#)
- [CHM415H1 Topics in Atmospheric Chemistry](#)
- [EEB319H1 Population Ecology](#)
- [EEB321H1 Community Ecology](#)
- [EEB328H1 Physiological Ecology](#)
- [EEB365H1 Topics in Applied Conservation Biology](#)
- [EEB428H1 Global Change Ecology](#)
- [EEB430H1 Modeling in Ecology and Evolution](#)
- [EEB433H1 Global Issues in Aquatic Ecosystems](#)
- [EEB440H1 Ecology and Evolution of Plant-Animal Interactions](#)
- [EEB465H1 Advanced Topics in Biodiversity Science and Conservation Biology](#)
- [ENV334H1 Environmental Biology: Applied Ecology](#)
- [ENV341H1 Environment and Human Health](#)
- [ENV346H1 Terrestrial Energy Systems](#)
- [ENV430H1 Environment and Health in Vulnerable Populations](#)
- [ENV432H1 Urban Ecology](#)
- [ESS261H1 Earth System Evolution](#)
- [ESS311H1 Earth System Chemistry 2: Aqueous Geochemistry](#)
- [ESS312H1 Hydrogeology](#)
- [ESS461H1 Palaeoenvironmental Studies](#)
- [ESS463H1 Earth System Chemistry 3: Contaminants](#)
- [GGR301H1 Fluvial Geomorphology](#)
- [GGR308H1 Canadian Arctic and Subarctic Environments](#)
- [GGR314H1 Global Warming](#)
- [GGR347H1 Efficient Use of Energy](#)
- [GGR348H1 Carbon-Free Energy](#)
- [GGR409H1](#)
- [JGA305H1 Environmental and Archaeological Geophysics](#)
- [PCL362H1 Introductory Toxicology](#)
- [PHY392H1 Physics of Climate](#)
- [PHY492H1 Advanced Atmospheric Physics](#)

Environmental Science Major Group B: Environmental Science-related Field Courses

- [ANT330Y1 Paleoanthropology Field School](#)
- [ARH306Y1 Archaeological Field Methods](#)
- [EEB403H1 Tropical Field Biology](#)
- [EEB405H1 Temperate Field Biology](#)
- [EEB406H1 Inter-University Field Course](#)
- [EEB407H1 Alpine Ecosystems](#)
- [EEB410H1 Lake Ecosystem Dynamics](#)
- [ENV336H1 Ecology in Human-Dominated Environments](#)
- [ENV395Y0 Special Topics Field Course](#)
- [ENV396H0 Special Topics Field Course](#)
- [ENV396Y0 Special Topics Field Course](#)

- [ESS330H1](#)
- [ESS410H1 Field Techniques in Hydrogeochemistry](#)
- [ESS450H1 Geophysical Field Techniques](#)
- [GGR390H1 Field Methods](#)

Environmental Science Major Group C: Environmental Policy & Society (no more than 0.5 FCE)

- [ENV222H1 Interdisciplinary Environmental Studies](#)
- [ENV261H1 Is the Internet Green?](#)
- [ENV281H1 Special Topics in Environment](#)
- [ENV282H1 Special Topics in the Environment](#)
- [ENV307H1 Urban Sustainability](#)
- [ENV320H1 National Environmental Policy](#)
- [ENV322H1 International Environmental Policy](#)
- [ENV323H1 Ontario Environmental Policy](#)
- [ENV333H1 Ecological Worldviews](#)
- [ENV335H1 Environmental Design](#)
- [ENV347H1 The Power of Economic Ideas](#)
- [ENV350H1 Energy Policy and Environment](#)
- [ENV361H1 Social Media and Environmentalism](#)
- [ENV362H1 Energy & Environment: Transitions in History](#)
- [ENV381H1 Special Topics in Environment](#)
- [ENV382H1 Special Topics in Environment](#)
- [ENV422H1 Environmental Law](#)
- [ENV461H1 The U of T Campus as a Living Lab of Sustainability](#)
- [ENV462H1 Energy and Environment: Economics, Politics, and Sustainability](#)
- [FOR302H1 Societal Values and Forest Management](#)

School of the Environment Courses

Lab Materials Fee

Some courses in this department have a mandatory Lab Materials Fee to cover non-reusable materials. The fee for each such course is given below in the course description, and will be included on the student's invoice on ACORN.

NOTE: Many ENV courses are limited in enrolment and require specific prerequisites. Preference is given to students meeting the ACORN deadlines.

ENV100H1 - Introduction to Environmental Studies

Hours: 24L

An investigation of the relationship between human beings and their natural and built environments. This interdisciplinary course will draw from the sciences, social sciences and the humanities to explore major social, cultural, economic, regulatory, ethical, ecological and technological aspects of environmental issues.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ENV221H1 - Multidisciplinary Perspectives on Environment

Hours: 24L/4T

One of two foundation courses for the School's undergraduate program. Introduces students to ways in which different disciplines contribute to our understanding of environment. Instructors and guest lecturers are drawn from the sciences, social sciences and the humanities and will present subject matter, assumptions, conceptualizations and methodologies of their disciplines.

Distribution Requirements: Social Science

ENV199H1 - Debating & Understanding Current Environmental Issues

Previous Course Number: SII199H1 LEC0201

Hours: 2L

The course examines current environmental issues for which there is no easy answer or consensus position. For instance, to help solve climate change should we generate more electricity from nuclear power-plants, which have no greenhouse gas emissions? Or instead, should we phase out nuclear plants because of possible accidents, costs and radioactive wastes? The seminar examines the scientific and political aspects of such issues and debates the pros and cons of each. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ENV222H1 - Interdisciplinary Environmental Studies

Hours: 24L/4T

Building upon ENV221H1, shows how environmental studies is working to knit different disciplinary perspectives into one interdisciplinary body of knowledge; interplay of science and values in definition and framing of issues; roles of markets, politics and ethics in developing solutions; local to global scale; historical and current timeframes.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ENV223H1 - Fundamental Environmental Skills

Hours: 24L

The practical, interdisciplinary and controversial nature of environmental issues, as well as the uncertainty that surrounds measures to address them demand mastery of a particular range of skills by environmental students. This course teaches the fundamental research, analysis and presentation skills required for effective environmental work.

Prerequisite: Enrolment in the Environmental Studies major program, or permission of Undergraduate Associate Director.

Exclusion: GGR271H1

Distribution Requirements: Social Science

ENV200H1 - Assessing Global Change: Science and the Environment

Hours: 24L/4T

The perspective which scientists bring to the understanding and resolution of environmental concerns having global implications: atmospheric systems and climate change, the biosphere and conservation of biodiversity.

This living things and their environment breadth course is intended to fulfill the environmental literacy requirement for students in the BA programs of the School of the Environment or the living things and their environment breadth course requirement for Commerce, Humanities and Social Science students

Exclusion: BIO120H1, EEB208H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

ENV234H1 - Environmental Biology: Structure and Function of Ecosystems

Hours: 24L/18P

This multidisciplinary course draws on elements from geology, soil science, and ecology to understand past and present environments and human impacts on landscapes and ecosystems. Emphasis on the structure, functioning and connectivity of aquatic and terrestrial ecosystems. Field trips and labs. Mandatory day-long field trip on a Friday or Saturday in late September or early October (students choose which day; a small fee may be charged for transportation.) (Lab Materials Fee: \$25)

Prerequisite: BIO120H1/ JEG100H1 (recommended)/ FOR200H1/ FOR201H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

ENV237H1 - Physics of the Changing Environment A

Hours: 24L/24P

The course will cover basic physics of environmental processes and of measurement techniques in the atmosphere, the ocean, lake-land-forest systems, and other biological systems. It will place its work in the context of climate change and other aspects of environmental change. This course is solely intended for students who have NOT completed a previous first year physics core course, who are in one of the following programs: Environmental Science Major or Minor, Environmental Geosciences Specialist or Earth and Environmental Systems Major.

Prerequisite: MAT135H1/ MAT136H1/ MAT137Y1/ MAT157Y1/ JMB170Y1, CHM136H1/ CHM138H1/ CHM135H1/ CHM139H1/ CHM151Y1

Exclusion: ENV238H1, PHY131H1/ PHY132H1/ PHY151H1/ PHY152H1

Recommended Preparation: Any high school physics

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ENV238H1 - Physics of the Changing Environment B

Hours: 24L/24P

The course will cover basic physics of environmental processes and of measurement techniques in the atmosphere, the ocean, lake-land-forest systems, and other biological systems. It will place its work in the context of climate change and other aspects of environmental change. This course is solely intended for students who have completed a previous first year physics core course, who are in one of the following programs: Environmental Science Major or Minor, Environmental Geosciences Specialist or Earth and Environmental Systems Major.

Prerequisite: MAT135H1/ MAT136H1/ MAT137Y1/ MAT157Y1/ JMB170Y1, CHM136H1/ CHM138H1/ CHM135H1/ CHM139H1/ CHM151Y1, PHY131H1/ PHY132H1/ PHY151H1/ PHY152H1

Exclusion: ENV237H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ENV261H1 - Is the Internet Green?

Previous Course Number: ENV281H1

Hours: 24L/12T

The Internet has deeply penetrated most aspects of society and yet we are remarkably unreflective about its impacts and sustainability. This course challenges students to critically evaluate evidence regarding the environmental and social impacts of the Internet and how the Internet contributes (or not) to goals of environmental sustainability. (ENV261H1 is intended as a Breadth Requirement course in the Social Sciences.)

Prerequisite: Students must have completed a minimum of 4.0 FCEs to enrol in the course.

Exclusion: BIG102Y1; ENV281H1 if taken in 2015-16 or 2016-17

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ENV262H1 - The Science of Energy in the Environment

Hours: 24L/12T

Energy is a fundamental organizing principle of Nature. It has a central role in the origin and evolution of the universe, and is the basis of the ecosystem of the Earth and of technology and the world economy. This course will explore the science of energy in all its forms. (ENV262H1 is primarily intended as a Breadth Requirement course for students in the Humanities and Social Sciences.)

Prerequisite: None

Exclusion: ENV346H1, (PHY131H1, PHY132H1, PHY151H1, PHY152H1 or equivalent, taken previously or concurrently)

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ENV281H1 - Special Topics in Environment

Hours: 24L

Special topics course designed for students in School of the Environment programs. Content in any given year depends on instructor. See [School of the Environment website](#) for more details.

Prerequisite: Students must have completed a minimum of 4.0 FCEs to register for the course.

Exclusion: BIG102Y1 if ENV281H1 taken in 2015-16 or 2016-17

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ENV282H1 - Special Topics in the Environment

Hours: 24L

Special topics course designed for students in School of the Environment programs. Content in any given year depends on instructor. See [School of the Environment website](#) for more details.

Prerequisite: Students must have completed a minimum of 4.0 FCEs to register for the course.

Exclusion: BIG101Y1 if ENV282H1 taken in 2015-16 or 2016-17

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

ENV299Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Science; Social Science

ENV307H1 - Urban Sustainability

Hours: 18L/18P

This course critically examines the concept of urban sustainability in theory and application. Case studies of ongoing urban sustainability programs in the developed and developing world help students assess the successes and failures of these programs. The course also examines the current state of research and implementation efforts toward urban sustainability. Toronto's urban sustainability and sustainable needs will be investigated through the use of Geographic Information Systems (GIS) during the course (previous experience with GIS is not required).

Prerequisite: Completion of 8.0 FCE including ENV221H1/ ENV222H1; or permission of the Undergraduate Associate Director

Recommended Preparation: An environmental studies half course.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ENV316H1 - Laboratory and Field Methods in Environmental Science

Hours: 12T/36P

This course focuses on methods of sampling and analyzing natural air, water and solid Earth materials for physical, chemical and biological properties that are relevant to current environmental issues. It will integrate approaches from chemistry, physics, geology and biology, and cover techniques in field sampling, laboratory analyses and analyses of large environmental data sets. Basic concepts related to quality control will be emphasized throughout the course: sample collection and storage methods, calibration of field and lab instruments, analyses in complex matrices, errors (accuracy, precision), and detection limits. A fee of approximately \$15 may be charged for field trip transportation.

Prerequisite: ENV234H1, ENV237H1/ ENV238H1, one of CHM210H1/ ESS262H1, one of STA220H1/ STA288H1/ EEB225H1/ GGR270H1

Exclusion: ESS425H1/ ENV315H1 (Chemical Analysis of Environmental Samples)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

ENV320H1 - National Environmental Policy

Hours: 24L/12T

Examines ways in which governments develop and implement policy to protect the environment within their borders. Primarily Canada, plus comparisons with other countries. The focus is upon the politics of environmental policy making, which is understood by examining the interests and powers of the relevant state and non-state actors.

Prerequisite: Completion of 8.0 FCE including ENV221H1/ENV222H1; or permission of the Undergraduate Associate Director

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ENV333H1 - Ecological Worldviews

Hours: 24L

Approaches to environmental concerns are often marked by assumptions that reflect distinct worldviews positing particular understandings of the role of the human with respect to nature. This course explores sundry economic, political, scientific, religious, and moral worldviews pertaining to the environment, including environmental ethics, Gaia, ecofeminism, scientific cosmology, and indigenous perspectives.

Prerequisite: Completion of 8.0 FCE including ENV221H1/ENV222H1; or permission of the Undergraduate Associate Director

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

ENV322H1 - International Environmental Policy

Hours: 24L/12T

Examines the ways in which states negotiate and implement international agreements addressing global environmental issues, such as the United Nations Framework Convention on Climate Change. Focus is upon factors which determine the efficacy of multilateral environmental agreements and the prospects for stronger global environmental governance.

Prerequisite: Completion of 8.0 FCE including ENV221H1/ENV222H1; or permission of the Undergraduate Associate Director

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ENV334H1 - Environmental Biology: Applied Ecology

Hours: 24L/36P

Applied issues in aquatic and terrestrial ecosystems. Topics include: ecology of agro-ecosystems and other human-managed ecosystems, bio-indicators of anthropogenic impacts, ecosystem restoration, and adaptive management. Field trips and laboratory exercises. A fee of approximately \$15 may be charged for field trip transportation. Group projects address local management/restoration issues. (Lab Materials Fee: \$25)

Prerequisite: ENV234H1 and completion of 9 FCEs

Recommended Preparation: a course in statistics (EEB225H1 recommended)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

ENV323H1 - Ontario Environmental Policy

Hours: 24S

Introduces students to public policy and institutional foundations of public policy in Canada, with an emphasis on environmental policy in Ontario. Provides an insiders perspective on how environmental policy has been developed in Ontario.

Prerequisite: Completion of 8.0 FCE including ENV221H1/ENV222H1; or permission of the Undergraduate Associate Director

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ENV335H1 - Environmental Design

Hours: 18L/18P

Environmental design, in the context of this course, refers to design strategies that account for the ability of supporting ecosystems to continue to meet human needs and those of other lifeforms without diminishing biological diversity or environmental quality. This course takes a hands-on approach to investigating several environmental design issues: climate-responsive design, energy consumption, health and comfort, natural lighting and ventilation, and water management. Students will build up a design of a net-zero carbon residential building through several instructive design exercises during the semester.

Prerequisite: Completion of 8.0 FCE including ENV221H1/ENV222H1; or permission of the Undergraduate Associate Director

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ENV336H1 - Ecology in Human-Dominated Environments

Hours: TBA

A two week course offered at a Southern Ontario field station during late summer. Introduction to impacts of humans on semi-natural and human-dominated environments of southern Ontario and overview of the most commonly used assessment tools for states of ecosystems. These environments play important roles in terms of ecosystem services.

Prerequisite: first year biology and permission of the instructor

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

ENV337H1 - Human Interactions with the Environment

Hours: 24L/12P

The impact of 7 billion people on the planet is enormous and challenges future generations. What are these impacts today and in future? What solutions and tools can avert societal collapse? Using an integrated and interdisciplinary systems approach, we explore problems and solutions to the earth's limits to growth.

Prerequisite: (two of ENV233H1, ENV234H1, ENV237H1/ENV238H1) or (two of CHM210H1, ENV234H1, ENV237H1/ENV238H1, ESS262H1) or (GGR201H1 + GGR203H1) or (ENV233H1 + ESS261H1) or (ESS261H1 + ESS262H1) or (CHM210H1 + CHM217H1) or (ENV221H1/ ENV222H1/ENV234H1 + BIO220H1 + BIO230H1/ BIO255H1) or permission of Undergraduate Associate Director

Exclusion: JGE236H1/ JEE337H1

Recommended Preparation: Related high school science

Distribution Requirements: Science

ENV341H1 - Environment and Human Health

Hours: 24L

Examination of the linkages between human health and environment. Addresses basic principles and scientific knowledge relating to health and the environment and uses case studies to examine current environmental health issues from a health sciences perspective.

Prerequisite: ENV221H1/ ENV222H1 or (BIO230H1/ BIO255H1, and enrolment in the HMB Specialist in Health and Disease/HMB Specialist in Global Health), and completion of at least 8 FCE of courses; or permission of the Undergraduate Associate Director.

Distribution Requirements: Science; Social Science

Breadth Requirements: Living Things and Their Environment (4)

ENV346H1 - Terrestrial Energy Systems

Hours: 36L/24T

Various earth systems for energy transformation, storage and transport are explored. Geological, hydrological, biological, cosmological and oceanographic energy systems are considered in the context of the Earth as a dynamic system, including the variation of solar energy received by the planet and the redistribution of this energy through various radiative, latent and sensible heat transfer mechanisms. It considers the energy redistribution role of large-scale atmospheric systems, of warm and cold ocean currents, the role of the polar regions, and the functioning of various hydrological systems. The contribution and influence of tectonic systems on the surface systems is briefly introduced, as well as the important role of energy storage processes in physical and biological systems, including the accumulation of fossil fuel reserves.

Prerequisite: (MAT135H1, MAT136H1)/ MAT137Y1/ JMB170Y1; BIO120H1/ CHM136H1/ CHM138H1/ CHM135H1/ CHM139H1/ CHM151Y1/ PHY131H1/ PHY132H1/ PHY151H1/ PHY152H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ENV347H1 - The Power of Economic Ideas

Hours: 24L

This course examines the power of economic ideas in effecting environmental change. Topics include the relation of ecological economics to mainstream economics, as well as the role of financial incentives to move the environmental agenda forward.

Prerequisite: Completion of 8.0 FCE including ENV221H1/ ENV222H1; or permission of the Undergraduate Associate Director

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ENV350H1 - Energy Policy and Environment

Hours: 24L

The course addresses: (1) physical, technological and economic aspects of energy and electricity systems and their associated environmental impacts; (2) current international, Canadian and Ontario energy policy; (3) technological, economic and political factors influencing policy which could significantly reduce environmental impacts of energy use.

Prerequisite: Completion of 8.0 FCE including ENV221H1/ ENV222H1; or permission of the Undergraduate Associate Director

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ENV361H1 - Social Media and Environmentalism

Previous Course Number: ENV381H1

Hours: 24L/12T

This course examines the impacts of the internet on environmental thinking and policy-making. Topics include the use of social media as a tool for community-building and collaborative design, the sharing economy, online protest movements, mass surveillance and its implications, and the impact of misinformation on climate denialism.

Prerequisite: Students must have completed a minimum of 6.0 FCEs to register for the course.

Exclusion: BIG102Y1; ENV381H1 if taken in 2015-16 or 2016-17

Recommended Preparation: ENV221H1, ENV222H1, and/or ENV261H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ENV382H1 - Special Topics in Environment

Hours: 24L

Special topics course designed for students in School of the Environment programs. Content in any given year depends on instructor. *Will be offered in 2019-20 on the subject area of religion and environment. See [School of the Environment website](#) for more details.*

Prerequisite: Students must have completed a minimum of 9.0 FCEs to register for the course.

Exclusion: BIG101Y1 if ENV382H1 taken in 2015-16 or 2016-17

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

ENV395Y0 - Special Topics Field Course

Hours: 48S

This course examines fundamental concepts in ecology, evolution, biodiversity, geology and conservation biology through lectures and fieldwork in highland, tropical and island ecosystems in Ecuador. The complex relations between these environments and the people who depend on them will also be examined through analysis of the social, cultural, and economic transformations that have taken place in recent years. Suitable for all School of the Environment programs.

Recommended Preparation: ENV200H1 or equivalent; OR BIO120H1 or equivalent

Distribution Requirements: Social Science

Breadth Requirements: Living Things and Their Environment (4); Society and its Institutions (3)

ENV395Y1 - Special Topics Field Course

Hours: 48S

This course examines fundamental concepts in ecology, evolution, biodiversity, geology and conservation biology through lectures and fieldwork in highland, tropical and island ecosystems in Ecuador. The complex relations between these environments and the people who depend on them will also be examined through analysis of the social, cultural, and economic transformations that have taken place in recent years. Suitable for all School of the Environment programs.

Recommended Preparation: ENV200H1 or equivalent; OR BIO120H1 or equivalent

Distribution Requirements: Social Science

Breadth Requirements: Living Things and Their Environment (4); Society and its Institutions (3)

ENV381H1 - Special Topics in Environment

Hours: 24L

Special topics course designed for students in School of the Environment programs. Content in any given year depends on instructor. See [School of the Environment website](#) for more details.

Prerequisite: Students must have completed a minimum of 9.0 FCEs to register for the course.

Exclusion: BIG102Y1 if ENV381H1 taken in 2015-16 or 2016-17

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ENV396H0 - Special Topics Field Course**Hours:** TBA

This course examines Australia's environmental, wildlife and conservation issues from an interdisciplinary perspective. In consideration of these issues, Australia's unique flora and fauna are examined through lectures and fieldwork in the various climatically varied regions of Australia that are visited throughout the course.

Recommended Preparation: ENV200H1 or equivalent; or BIO120H1 or equivalent

ENV396Y0 - Special Topics Field Course**Hours:** TBA

This course examines Australia's environmental, wildlife and conservation issues from an interdisciplinary perspective. In consideration of these issues, Australia's unique flora and fauna are examined through lectures and fieldwork in the various climatically varied regions of Australia that are visited throughout the course.

Recommended Preparation: ENV200H1 or equivalent; or BIO120H1 or equivalent

Distribution Requirements: Social Science; Science

Breadth Requirements: Society and its Institutions (3); Living Things and Their Environment (4)

ENV399Y1 - Research Opportunity Program**Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

ENV421H1 - Environmental Research**Hours:** 24S

A research course for all students in the School combining report writing, independent and group-based research on an interdisciplinary topic. Not eligible for CR/NCR option.

Prerequisite: Completion of 10.0 FCE including ENV221H1/ ENV222H1; and enrolment in one of the Environmental Studies Major, Environmental Ethics Major, Environment & Health Specialist, Environmental Chemistry Specialist or Environment & Toxicology Specialist programs; or permission of the Undergraduate Associate Director

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

ENV422H1 - Environmental Law**Hours:** 24S

An introduction to environmental law for students in Environmental Studies; legal methods available to resolve environmental problems and the scope and limits of those methods; common law and statutory tools as well as environmental assessment legislation; the problem of standing to sue and the limits of litigation.

Prerequisite: Completion of 12.0 FCE including ENV221H1/ ENV222H1; or permission of the Undergraduate Associate Director

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ENV430H1 - Environment and Health in Vulnerable Populations**Hours:** 24S

The seminar introduces students to a wide range of topics and issues as they relate to the environment and health of vulnerable populations. Through readings and discussion, students will explore the potential health effects of exposures in children and other vulnerable populations to a variety of chemical and physical agents in both the indoor and outdoor environments. A number of case studies or topics will be examined to exemplify why certain populations may be especially vulnerable to various environmental hazards. Issues related to equity and justice will also be examined.

Prerequisite: ENV341H1, or permission of the instructor.

Distribution Requirements: Science; Social Science

Breadth Requirements: Living Things and Their Environment (4)

ENV431H1 - Urban Sustainability & Ecological Technology**Hours:** 24L

Ecological technology or green infrastructure encompasses those technologies that incorporate ecosystems to replace mechanical or non-living components in a machine or a piece of infrastructure. Complex systems theory and second-law thermodynamics are used as a template to explore concepts of urban sustainability, and the role of ecological technology in this context.

Prerequisite: ENV221H1/ ENV222H1, or permission of the Undergraduate Associate Director

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

ENV432H1 - Urban Ecology

Hours: 24L/12S

The ecology of urban areas through consideration of the biological and physical environments, in particular how the human-constructed environment alters pre-existing biophysical conditions and interactions. Encompasses a comparative perspective to study the development of these emerging ecosystems of increasing importance given global urbanization. One or two Saturday field trips (a fee of approximately \$15 may be charged for field trip transportation.)

Prerequisite: BIO220H1 and at least one of EEB319H1/ EEB321H1/ EEB365H1/ ENV334H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

ENV451H1 - Current Environmental Topics

Hours: 24S

This capstone course for the School's core programs will explore current environmental topics, with the goal of integrating the multi- and interdisciplinary strands of each student's learning to date.

Prerequisite: Completion of 12.0 FCE including ENV221H1/ ENV222H1, and enrolment in one of the School's BA programs; or permission of the Undergraduate Associate Director

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ENV452H1 - Environmental Science Seminar

Hours: 36S

Scientists from within and external to the university share and discuss challenges, findings and opportunities. Specific topics (and speakers) vary from year to year but may draw from rehabilitation techniques, contaminants in our environment, environmental health, impacts on landscapes and communities, biodiversity, water, and modelling of environmental processes.

Prerequisite: ENV316H1/ ENV334H1/ ENV337H1, completion of 12 FCE of courses, and enrolment in a School of the Environment BSc program; or permission of the Undergraduate Associate Director

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

ENV440H1 - Professional Experience Course

Hours: 10S

Regular academic seminars complement off-campus work on an environmental project. The course enables students to gain practical experience of the needs and demands of professional environmental agencies. Students are given a choice of placements in a variety of sectors (such as government, NGOs, industry).

Eligible students who wish to do a work placement in the upcoming summer or fall session must submit an application form to the Placement Coordinator by mid-January of each year. Please contact the School of the Environment's Placement Coordinator, David Powell, at ug.office.env@utoronto.ca, or consult the [School's undergraduate courses webpage](#) for access to the application form, instructions and application deadline.

Prerequisite: 10 full courses or their equivalent, including three FCE of environmental courses in the student's environmental program completed before ENV440H1 taken; or permission of Undergraduate Associate Director

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ENV450H1 - Energy and Environment Solutions

Hours: 12T/24S

This is an interdisciplinary course in which students address current energy problems while incorporating technical, environmental, economic, social, and political concerns.

Prerequisite: ENV346H1, ENV350H1 and any two of FOR310H1/ GGR310H1/ GGR314H1/ GGR347H1/ GGR348H1

Distribution Requirements: Science

Breadth Requirements: Society and its Institutions (3)

ENV461H1 - The U of T Campus as a Living Lab of Sustainability

Hours: 24L

Sustainability is a growing priority for universities all over the world. Many are developing strong operational sustainability goals and targets, and are giving increasing emphasis to teaching and research on sustainability issues. Yet few have committed at the executive level to integrating academic and operational sustainability in the context of treating their campus as a living laboratory of sustainable practice, research and teaching. Arguably, it is such living lab approaches that offer the largest potential for universities to play a significant role in the sustainability transition. This course will explore and apply the living lab concept, in the context of operational sustainability at the University of Toronto. We will begin by looking at the literature on university sustainability and the living lab concept. The bulk of the course will involve undertaking an applied research project on some aspect of campus sustainability, working in close partnership with operational staff at the University of Toronto. Students will develop the skills needed to work across disciplines and fields of study, and with non-academic partners. This course will put students to work on operational sustainability projects identified by the staff working in or with the Sustainability Office at the University of Toronto. Students will be organized into groups, each of which will be assigned one project, to be overseen by one or more U of T staff members. The bulk of the course will consist of regular meetings with the staff "clients", with instructors, and in small groups to undertake a group project. Each group will produce a mid-term and final report, and give a mid-term and final presentation. Each student will also submit two 360 reviews of the group process. A crucial aspect of this course is the ability of students to work collaboratively together in a group environment, and to work effectively with a university staff person acting as a "client" for their work. Students will be provided with a Handbook outlining information on working in groups and the focus of the class in the second week will be on this issue. The first 360 peer review will serve to provide information on how well each group is working. Students are encouraged to discuss and resolve group process issues in the weekly group meetings, and in their regular meetings with the instructor and TA. The second 360 review will occur at the end of the term. The results of the two 360 reviews will be used, where appropriate, to adjust individual marks from the group averages.

Prerequisite: Completion of 10.0 FCE including ENV221H1; or permission of the Undergraduate Associate Director

Exclusion: ENV481H1 if taken in 2016-17

Recommended Preparation: 1.0 FCE of environment-related coursework

Distribution Requirements: Social Science; Science; Humanities

Breadth Requirements: Society and its Institutions (3)

ENV462H1 - Energy and Environment: Economics, Politics, and Sustainability

Previous Course Number: ENV382H1

Hours: 24L/12T

This is an interdisciplinary course that examines key ideas in economics, politics and security that are essential to understanding energy and environmental issues. The course will cover energy markets, energy security, and the increasing role that sustainability plays in setting policies.

Prerequisite: Students must have completed a minimum of 10.0 FCE's to register for the course.

Exclusion: BIG101Y1; ENV382H1 if taken in 2015-16 or 2016-17

Recommended Preparation: ENV221H1/ ENV222H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ENV481H1 - Special Topics in the Environment

Hours: 24S

Special topics course designed for advanced Specialist and Major students in School of the Environment programs.

Prerequisite: (ENV221H1, ENV222H1) and completion of at least 10 FCE and enrolment in a School Environmental program, or permission of Undergraduate Associate Director.

Distribution Requirements: Social Science

ENV482H1 - Special Topics in the Environment

Hours: 24S

Special topics course designed for advanced Specialist and Major students in School of the Environment programs.

Prerequisite: (ENV221H1, ENV222H1) and completion of at least 10 FCE and enrolment in a School Environmental program, or permission of Undergraduate Associate Director.

Distribution Requirements: Social Science

ENV492H1 - Independent Studies Project**Hours:** TBA

A research project or selected topic in an area of environment not otherwise available in the Faculty, meant to develop skills in independent study of interdisciplinary topics. A written proposal co-signed by the student and supervisor must be submitted for approval by the Academic Associate Director of the School normally one month prior to commencing the course. Not eligible for CR/NCR option.

Prerequisite: Completion of 14.0 FCE including ENV221H1/ ENV222H1, and enrolment in a School of the Environment program

Distribution Requirements: Social Science

JGE321H1 - Multicultural Perspectives on Environmental Management**Hours:** 24L

Diverse approaches to environmental issues in a variety of multicultural settings are introduced, compared and analyzed, using case studies. Perspectives on environmental management will be discussed as they emerge from contexts such as Latin America, Asia, or Africa.

Prerequisite: ENV221H1/ ENV222H1/ GGR222H1/ GGR223H1

Exclusion: ENV321Y1

Recommended Preparation: 8.0 FCE's

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ENV493H1 - Independent Studies Project**Hours:** TBA

A research project or selected topic in an area of environment not otherwise available in the Faculty, meant to develop skills in independent study of interdisciplinary topics. A written proposal co-signed by the student and supervisor must be submitted for approval by the Academic Associate Director of the School normally one month prior to commencing the course. Not eligible for CR/NCR option.

Prerequisite: Completion of 14.0 FCE including ENV221H1/ ENV222H1, and enrolment in a School of the Environment program

Distribution Requirements: Social Science

JGE331H1 - Resource and Environmental Theory**Hours:** 24L

Introduction to and critical evaluation of major ideas and conceptual traditions underpinning environmental and natural resource politics and regulation. Topics include: parks and protected areas, market-based environmental regulation, property rights and conservation, Malthusianism, and biodiversity conservation. Emphasis is placed on critical reading of primary texts.

Prerequisite: GGR100H1/ JEG100H1/ GGR107H1/ ENV221H1/ ENV222H1/ GGR222H1/ GGR223H1

Recommended Preparation: 8.0 FCE's

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

JEH455H1 - Current Issues in Environment and Health**Hours:** 16L/8S

This course introduces students to complex issues at the interface between environment and health where health is broadly defined. Each year a current and controversial case study is explored from scientific, medical, political and policy perspectives. The course takes students from the molecular to individual to population and societal levels.

Prerequisite: 14 FCE complete, ENV341H1/ HMB302H1/ HMB312H1/ HMB314H1/ HMB322H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

Estonian

Given by the Department of Slavic Languages and Literatures

Estonian is spoken by approximately one million people in present-day Estonia and some 72,000 in other parts of the world, including 18,000 in Canada. Closely related to Finnish and more distantly to Hungarian, Estonian is one of the few Finno-Ugric languages to exist surrounded by speakers of Indo-European languages.

An ancient people, the Estonians have preserved their language and culture despite centuries of domination by other nations. Not only is their heritage enormously rich in folk epics and songs, but Estonians enjoy a vigorous and diversified literary tradition which continues in Estonia proper and in their adoptive countries.

Estonian studies at the University of Toronto are concerned with the language, literature, and culture of Estonia. The language courses will be of interest to those wishing to improve their language skills, as well as to students of general linguistics who desire to acquire a knowledge of a non-Indo-European language.

Estonian Programs

Estonian Studies Minor (Arts Program) - ASMIN1756

Completion Requirements:

(4 FCEs or equivalent, including at least one at the 300+ level)

Four FCEs from: [EST100H1](#), [EST101H1](#), [EST200H1](#), [EST201H1](#), [EST300Y1](#), [EST400Y1](#), [EST420Y1](#), [FIN220H1](#)

Regarding Estonian Courses

Note: The Department reserves the right to assign students to courses appropriate to their level of competence in Estonian.

Estonian Courses

EST100H1 - Elementary Estonian Language and Culture I

Previous Course Number: EST100Y1

Hours: 48P

Learn essential Estonian vocabulary, basic grammar and develop elementary conversational competence. Popular songs, poetry, and structured dialogue are among the various tools for achieving these objectives. Students will learn commonly used phrases and expressions used in everyday situations, from greeting people to making purchases in stores, and ordering meals in cafes. The course is designed for students with either no fluency or minimum fluency in Estonian.

Exclusion: EST100Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EST101H1 - Elementary Estonian Language and Culture II

Previous Course Number: EST100Y1

Hours: 48L

This course expands the student's command of Estonian from the introductory level. The course will consist of themed sessions using language for travel in Estonia, savouring the language of Estonian cuisine, and the lyrics of popular, folk and classical Estonian music. These themed sessions will also enable students to better understand the proper inflections of nouns and tenses of verbs in both dialogue and written exercises. This course is open to students with minimum fluency in Estonian.

Prerequisite: EST100H1 / Permission of instructor

Exclusion: EST100Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EST200H1 - Intermediate Estonian Language and Culture I

Previous Course Number: EST200Y1

Hours: 48P

This course develops the student's language skills via an exploration of Estonian culture - including its music, literature, film and media. Each of these areas will be examined through readings, writing about one's impressions, and speaking about them to others in the class. The course consists of a combination of both classroom and web-based learning. The course is open to students with some fluency in Estonian.

Prerequisite: (EST100H1, EST101H1) / Permission of instructor

Exclusion: EST200Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EST400Y1 - Estonian Literature from 1700

Hours: 24L/24S

A survey of the major writers and literary periods in Estonian literature. From Ksu Hans, Lament of Tartu to the National Awakening. Republican, Soviet, expatriate literature, and the New Awakening. Readings in Estonian or English. (Offered in alternate years)

Prerequisite: Permission of instructor

Recommended Preparation: EST300Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EST420Y1 - Independent Study

Hours: TBA

A year-long reading and research project of significant depth in a major topic in Estonian language, literature or culture approved and supervised by an instructor. Not eligible for CR/NCR option.

Prerequisite: EST300Y1/ EST400Y1; permission of instructor

Distribution Requirements: Humanities

EST421H1 - Independent Study

Hours: TBA

A semester-long reading and research project of significant depth in a major topic in Estonian language, literature or culture approved and supervised by an instructor. Not eligible for CR/NCR option.

Prerequisite: Permission of instructor

Distribution Requirements: Humanities

EST201H1 - Intermediate Estonian Language and Culture II

Previous Course Number: EST200Y1

Hours: 48P

Through an exploration of Estonian culture both in Estonia and the diaspora, students will further develop their skills in speaking, reading and writing in Estonian. Students will learn about the main characteristics of Estonian society – its history, way of life, the Estonian economy and business environment, and Estonian current affairs. Students will discuss recent trends and challenges in the development of Estonian society. The course will combine both classroom and web-based learning. It is open to students with elementary fluency in Estonian, both spoken and written.

Prerequisite: (EST100H1, EST101H1) / Permission of instructor

Exclusion: EST200Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EST300Y1 - Advanced Estonian

Hours: 72P

Advanced grammar and stylistics through study of a variety of texts; problems of composition; translation; oral and written practice. (Offered in alternate years)

Prerequisite: EST200Y1or permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Centre for Ethics

The Centre for Ethics at the University of Toronto fosters research, teaching and public discussion of the moral dimensions of contemporary individual, social and political life. We are committed to the proposition that universities have a distinctive capacity and responsibility to shed light on questions of the moral life, as well as to educate students for reflective citizenship. Fulfilling this responsibility requires that we promote and engage in dialogue about the theory and practice of ethics across disciplinary, cultural, religious and social divides. For information or to make an appointment for consultation contact the Assistant to the Director, 416-978-6288 or e-mail: ethics@utoronto.ca.

Centre for Ethics Courses

ETH201H1 - Contemporary Moral Problems

Hours: 24L

ETH201 is an introductory course in ethics. How should we live? Which course of action is the right one? When and why should we blame ourselves and/or others? We all have and exercise moral opinions; this course is about justifying them. The course begins with some critical reasoning skills, and then explores philosophical strategies for justifying moral beliefs. We will then examine some specific issues of moral and political significance before concluding with psychological mechanisms behind moral attitudes and behaviour.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

ETH210H1 - Rationality and Action

Hours: 36L

An introductory survey of attempts that have been made to develop a formal model of practical rationality, with particular emphasis on the way moral considerations enter into those deliberations. Topics may include: utility-maximization theory, introductory game theory, consequentialism, and deontic reasoning, as well as the limitations of rationality.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

ETH220H1 - Moral Psychology

Hours: 36L

A study of issues that arise at the intersection of psychology and moral philosophy. Why do people act morally? What role do reason and emotion play? Can we know what is right, yet not be motivated to do it? What role can science play in advancing our understanding of morality?

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

ETH230H1 - Morality in Cross-Cultural Perspective

Hours: 24L

Is morality universal, or does it vary by time and place? This course will examine cultural differences in moral codes from both empirical and philosophical perspectives.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

ETH350H1 - Topics in Value Theory

Hours: 24L

Selected topics in value theory, broadly construed (ethics, political theory, law).

The winter 2017 session will be structured around the concept of human dignity. The course will explore philosophical, legal, and historical interpretations of this concept. It will use dignity as a lens through which to examine issues including discrimination, multiculturalism, and human rights.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

ETH401H1 - Seminar in Ethics

Hours: 16L/16S

The seminar will expose advanced undergraduates to cutting edge research in ethics. It meets bi-weekly over the entire academic year. Participants will attend research presentations at the Centre for Ethics (topics have included bioethics, indigenous rights, equality and education, free speech, and workplace democracy). They will also meet individually with the instructor (the Centre's Director) to plan an independent research project related to the theme of the course. In the winter term, students will present their research and discuss it with the other students in the seminar. (Note that this is an "H1Y" course -- a half-credit course taught throughout both Fall and Winter terms.)

Prerequisite: One of PHL365H1, PHL375H1, PHL271H1, POL200Y1 or an equivalent, POL330Y1 or an equivalent. Preference for enrolment will be given to students of the Department of Philosophy, the Department of Political Science, and Trinity College's program in Ethics, Society, and Law.

Distribution Requirements: Humanities; Social Science
Breadth Requirements: Thought, Belief and Behaviour (2)

European Studies

The European Studies Program is designed to develop an interdisciplinary expertise on modern Europe, combining rigorous language training with in-depth knowledge of Europe's history, politics, and culture. For students who desire the linguistic competence, the cultural comprehension, and the specialized knowledge necessary to operate effectively in the "new" Europe, the major program provides undergraduate students with the opportunity to focus on Europe through a wide variety of courses and disciplines with a focus on economics, history, language and politics. A major in European Studies offers preparation either for further specialized or professional study at the graduate level or for work either in Europe itself or within a Canadian-based organization/business dealing with Europe.

Language competence is at the centre of the European Studies Program. Students majoring in European Studies are expected to acquire, in the course of their Program, a working fluency in one or more of the following designated languages: Croatian, Czech, Estonian, Finnish, French, German, Hungarian, Italian, Macedonian, Modern Greek, Polish, Portuguese, Russian, Serbian, Slovak, Spanish, or Ukrainian. European Studies majors may want to consider working toward language citation. To ensure that graduates in European Studies have the historical understanding and specialized knowledge, as well as linguistic competence, necessary to comprehend contemporary Europe, a balanced syllabus is presented: core courses on the political evolution of Europe and on the economics and politics of European integration are complemented by choices from courses offered by the twelve academic departments participating in the Program. Students who choose to minor in European Studies will acquire in-depth knowledge of modern Europe.

European Studies Programs

European Studies Major (Arts Program) - ASMAJ1625

Enrolment Requirements:

This is a limited enrolment program open only to those who earn a mark of at least 65% in one of the required first-year language courses and who also successfully complete at least 4 full courses in first year. Students who are exempted from a first-year language course (i.e. those with some prior language skills) should begin studies at the second-year level and must complete a three-year sequence of language study.

Completion Requirements:

Major Requirements

Visit the European Studies Program web site for updated information about requirements, course offerings, and events:

<https://munkschool.utoronto.ca/ceres/study-at-ceres/> or consult Prof. Robert Austin, Undergraduate Coordinator, Room 128N, Munk School of Global Affairs (416-946-8942) for general program requirements.

European Studies Majors must complete 7.0 FCEs, including at least two 300+-level FCEs, 0.5 of which must be at the 400-level.

The mandatory EUR498H1 – Special Topics in European Studies - fulfills the 400-level requirement. The distribution of the 7.0 FCEs is as follows:

- * Three FCEs in language (a three-year progressive sequence of courses in a single language). Variations on this can be discussed with the Program Coordinator.
- * Two FCEs in the required core courses offered by the Departments of History (EUR200Y1) and Political Science (POL207Y1 or POL359Y1).
- * The .5 FCE EUR498H1 - Special Topics in European Studies.
- * The remaining 1.5 FCE in elective courses chosen from the list of eligible electives below.

Students are expected to consult with the Program Coordinator for assistance with and advice on course selection.

NOTE: Some of the courses listed below may have prerequisites; some may be offered in alternate years. The list reflects information available at the time of printing. Consult the Program Advisor for up-to-date information.

First Year:

One of the following: EST100Y1; EST100H1 and EST101H1, FIN100Y1; FSL100H1 and FSL102H1/ FSL121Y1; GER100Y1; HUN100Y1; ITA100Y1/ ITA101Y1; MGR100H1F; MGR101H1S; PRT100Y1/ PRT110Y1; SLA100Y1, SLA100H and SLA101H, SLA105Y1, SLA106Y1, SLA107Y1, SLA108Y1, SLA109Y1, SPA100Y1 or an

Second Year:

1. EUR200Y1
2. One full course equivalent from: EST200Y1; FIN200Y1; FSL221Y1; GER200Y1/ GER300Y1/ GER370H1; HUN200Y1; ITA250Y1/ ITA251Y1/ ITA252Y1; MGR245Y1; PRT220Y1; SLA204Y1, SLA206Y1, SLA207Y1, SLA208Y1, SLA209Y1, SLA220Y1, SLA237Y1; SPA220Y1 or an equivalent combination of half credits.

Third Year:

1. POL207Y1 or POL359Y1 or POL324Y1
2. One full course equivalent from: EST300Y1; FIN300H1 plus half course in literature; FSL321Y1, FSL421Y1, FSL442H1 and FSL443H1; GER300Y1/ GER370H1/ GER372H1, GER400H1; HUN310Y1; ITA343H1 and ITA344H1, ITA354H1 and ITA355H1, ITA364H1 and ITA365H1; MGR300H1 and MGR301H; PRT320Y1/ PRT420Y1; SLA305H1, SLA306H1 and SLA336H1, SLA307Y1, SLA308Y1, SLA316Y1, SLA320Y1, SLA321Y1, SLA351H1, SLA402H1 and SLA403H1; SPA320Y1/ SPA323H1/ SPA325H1/ SPA420H1 and SPA421H1

Fourth Year:

1. EUR498H1
2. Remaining courses to be selected from the list of eligible electives below. The most up-to-date list of electives is on the program website.

Current Eligible Electives (for approval on courses outside the list or for transfer credits, please consult the Program Coordinator):

ANT446H1; ECO230Y1, ECO301Y1, ECO303Y1, ECO342Y1; ENG329H1, ENG340H1, ENG341H1; EST400Y1; FCS195H1, FCS297H1, FCS310Y1, FCS331H1, FCS395H1; FIN230H1,

FIN235H1, FIN240H1, FIN250H1, FIN260H1, FIN340H1, FIN350H1, FIN415H1; FRE320H1, FRE324H1, FRE326H1; GGR339H1, GGR344H1, GGR361H1; GER150H1, GER204H1, GER205H1, GER232H1, GER150H1, GER261H1, GER321H1, GER322H1, GER323H1, GER326H1, GER336H1, GER350H1, GER362H1, GER410H1, GER421H1, GER425H1; HIS208Y1, HIS245Y1, HIS251Y1, HIS302H1, HIS309H1, HIS317H1, HIS325H1, HIS330H1, HIS331H1, HIS334Y1, HIS335H1, HIS337Y1, HIS338H1, HIS339Y1, HIS344Y1, HIS349H1, HIS351Y1, HIS353Y1, HIS354Y1, HIS355H1, HIS361H1, HIS371H1, HIS388H1, HIS389H1 (Hungarian History), HIS389Y0 (City in Central Europe), HIS401H1, HIS407H1, HIS414H1, HIS415H1, HIS416H1, HIS418H1, HIS421Y1, HIS422H1, HIS431H1, HIS433H1, HIS439H1, HIS442H1, HIS445H1, HIS449Y1, HIS451H1, HIS453H1, HIS455H1, HIS458Y1, HIS459H1, HIS460H1, HIS461H1, HIS477H1, HIS488H1, HIS490H1; HUN335H1, HUN345H1, HUN355H1, HUN356H1; INI381H1, INI382H1; ITA210Y1, ITA240Y1, ITA245Y1, ITA301H1, ITA310H1, ITA326H1, ITA340H1, ITA341H1, ITA346H1, ITA347H1, ITA381H1, ITA405H1, ITA410H1, ITA415H1, ITA421H1, ITA441H1, ITA455H1, ITA491H1, ITA492H1; JHP304Y1, JHP435Y1, JHP454Y1; JPD439Y1; JPP343Y1; PHL210Y1, PHL217H1, PHL265H1, PHL310H1, PHL311H1, PHL312H1, PHL315H1, PHL316H1, PHL317H1, PHL320H1, PHL321H1, PHL322H1, PHL326H1, PHL338H1, PHL365H1, PHL388H1; POL200Y1, POL207Y1, POL317Y1, POL320Y1, POL321H1, POL324Y1, POL332H1, POL344H1, POL354H1, POL359Y1, POL368Y0, POL372H1, POL405Y1, POL414H1, POL415H1, POL422Y1, POL437H1, POL440Y1, POL452Y1, POL453Y1; PRT250H1; SLA202H1, SLA205H1, SLA215H1, SLA216Y1, SLA217H1, SLA218Y1, SLA222H1, SLA225H1, SLA226H1, SLA228H1, SLA234H1, SLA241H1, SLA242H1, SLA244H1, SLA247H1, SLA248H1, SLA252H1, SLA302H1, SLA303H1, SLA315H1, SLA318H1, SLA322H1, SLA327H1, SLA328H1, SLA331H1, SLA337H1, SLA339H1, SLA340H1, SLA343H1, SLA344H1, SLA346H1, SLA356H1, SLA380H1, SLA404H1, SLA405Y1, SLA406H1, SLA407H1, SLA414H1, SLA417H1, SLA424H1, SLA425Y1, SLA434Y1, SLA436H1, SLA441H1, SLA442H1, SLA449H1, SLA453H1, SLA458H1, SLA460H1, SLA463H1, SLA465H1, SLA475H1, SLA476H1, SLA485H1, SOC341Y1, SOC350Y1; SPA325H1, SPA341H1, SPA345H1, SPA435H1.

European Union Studies Minor (Arts Program) - ASMIN1011

Enrolment Requirements:

This is a limited enrolment program open only to those who earn a mark of at least 70% in a first-year history or political science course and who also successfully complete at least 4 full courses in first year. Visit the European Studies Program web site for updated information about requirements, course offerings, and events: <https://munkschool.utoronto.ca/ceres/study-at-ceres/>.

Completion Requirements:

(4 full courses or their equivalent, including at least one 300/400 full-course equivalent)

1. EUR200Y1
2. POL207Y1/ POL324Y1/ POL359Y1
3. Two full credits or their equivalent in eligible elective courses (see European Studies Major above)

European Studies Courses

MGR100H1 - Introductory Modern Greek

Hours: 24L

This course is designed for absolute beginners in the Modern Greek language. The overall goal is to facilitate understanding and use of familiar everyday expressions and phrases aimed at the satisfaction of basic communicative needs. Students will familiarize themselves with the Modern Greek alphabet, pronunciation and grammatical rules. No previous knowledge of Modern Greek required.

Exclusion: Students who have completed High School in Greece or a Grade 12 Modern Greek language credit.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

MGR101H1 - Elementary Modern Greek

Hours: 24L

This course builds on MGR100H1 and aims to develop competence in the Modern Greek language at the basic level. Students will attain elementary proficiency in the spoken and written language by familiarizing themselves with a variety of grammatical and syntax structures while continuing to enrich their vocabulary. Emphasis will be placed on reading and conversational skills while students are expected to write short descriptive paragraphs.

Prerequisite: MGR100H1

Exclusion: Students who have completed High School in Greece or a Grade 12 Modern Greek language credit.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EUR200Y1 - Europe: Nation-State to Supranational Union

Hours: 48L/24T

An analysis of the development of European political regimes from 1789 until the 2004 and 2007 enlargements of the European Union to include the countries of the former Soviet bloc. This course identifies the decisive forces and factors affecting the operation of constitutions and institutions within the countries which came to form the European Union: nationalism, multi-nationalism, internationalism and supranationalism.

Exclusion: HIS241H1/ HIS242H1

Recommended Preparation: HIS103Y1/ HIS109Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

MGR245Y1 - Intermediate Modern Greek**Hours:** 78S

A course designed for students with some command of the language: vocabulary building; study of grammar and syntax; compositional skills leading to the study of a prose literary work.

Prerequisite: First year Greek or equivalent; permission of instructor that includes language placement test evaluation

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

MGR300H1 - Advanced Modern Greek I**Hours:** 24L

This course builds on the Intermediate level background knowledge to prepare students as independent users of the Modern Greek language. In order to attain conversational fluency and communicate effectively and accurately with native Greek language speakers, students will practice on reading and interpreting magazine and newspaper articles on various topics as well as applying more complex grammatical and syntax rules to write essays on assigned subjects.

Prerequisite: Completion of MGR245Y1 or permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

MGR301H1 - Advanced Modern Greek II**Hours:** 24L

The aim of this course is to facilitate fluency both in spoken and written Modern Greek. Proficiency at this level will be attained through familiarization with various texts and genres including a Modern Greek literature anthology and selected academic articles. Emphasis will be placed on writing which will lead to the production of a short research paper in Modern Greek.

Prerequisite: Completion of MGR300H1 or permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EUR399Y1 - Research Opportunity Program**Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

JRA401H1 - Topics in Comparative Politics V**Hours:** 24S

Selected issues in comparative politics. Content and instructor varies from year to year. (*Given by the Department of Political Science and the Centre for European, Russian and Eurasian Studies*)

Prerequisite: 2.0 POL credits in comparative politics. See the Department's website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Exclusion: POL 438H (taken in 2013-14 and 2014-15)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

JRA401Y1 - Topics in Comparative Politics V**Hours:** 48S

Selected issues in comparative politics. Content and instructor varies from year to year. (*Given by the Department of Political Science and the Centre for European, Russian and Eurasian Studies*)

Prerequisite: 2.0 POL credits in comparative politics. See the Department's website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

JRA402H1 - Topics in Comparative Politics VI**Hours:** 24S

Selected issues in comparative politics. Content and instructor varies from year to year. (*Given by the Department of Political Science and the Centre for European, Russian and Eurasian Studies*)

Prerequisite: 2.0 POL credits in comparative politics. See the Department's website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Exclusion: POL 410H (taken in 2013-14 and 2014-15)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

JRA437H1 - Government, Law and Politics in Russia

Previous Course Number: POL437H1

Hours: 24S

Law in the governance of Russia, in the Soviet and post Soviet periods, including constitutional development, courts, business disputes, crime and criminal justice, corruption, cultural obstacles to legal order, and legal transition in comparative perspective. (*Given by the Department of Political Science and the Centre for European, Russian, and Eurasian Studies*)

Prerequisite: HIS351Y1/ POL354H1/a course in Russia or Soviet politics

Exclusion: POL437H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

EUR495H1 - Independent Studies

Hours: 2P

An in-depth of an issue of relevance to the European Union. Content depends on the instructor. Not eligible for CR/NCR option.

Prerequisite: Open only to students enrolled in the European Studies Major Program. Third and Fourth year students only.

Recommended Preparation: Varies year to year.

EUR498H1 - Special Topics in European Studies: European Union

Hours: 24L

What is the European Union? Which are its core institutions and how do they work? What is the scope of its directives and programs, and how do they fit in with the member-states' policies? What is the role of the EU as an international actor? This course on Special Topics in European Studies aims at answering all these questions. The course will start with an introduction to integration in Europe, the development of the EU, and some theories and approaches to its study. It will then review the main political, economic, and judiciary institutions in the EU. Last, it will examine some important policy areas and challenges at the European level, including migration and asylum, social cohesion, counterterrorist initiatives, scenarios after Brexit, relations between the EU and its neighbours, and foreign policy. Special care will be given to explaining the political interaction between the EU institutions and the member-states, on the one hand, and the EU's Directives and policy frameworks and the members' policies, on the other hand.

Prerequisite: Completion of 12.0 FCEs including EUR200Y1 and one of POL207Y1/ POL359Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

Finnish

Faculty List

Professor Emeritus

B. Vahamaki, MA, Ph Lic, Ph D

Assistant Professor

Anu Muonen, MA, Ph D

Introduction

A nation of five million people, Finland is situated between West and East, between Sweden and Russia, sharing for thousands of years religious, historical, political, social, and cultural influences and experiences with its neighbours and the different worlds they represent.

Finnish, a Finno-Ugric language related to Estonian and Hungarian, is spoken by 94% of Finland's population, by 300,000 in Sweden, and by large numbers in Canada, the United States, and other countries. The other constitutionally recognized group, the Finland-Swedes, comprises over six percent of the population. The Finns have a strong commitment to their languages and to their culture. Their national epic, the Kalevala, compiled in the 19th century from old Finnish epic narrative poems and incantations, soon became a national symbol and continues to this day to inspire the growth and development of the country's creative force. Today the entire world responds to Finnish achievements in music, literature, the arts and architecture, and celebrates the work of such outstanding figures as Jean Sibelius, Aki Kaurismäki, Alvar Aalto, and Eliel and Eero Saarinen.

Finnish studies at the University of Toronto are presently engaged in teaching the Finnish language - a three-year sequence - and in offering other courses on the literature and culture of Finland.

Finnish Programs

Finnish Studies Major (Arts Program) - ASMAJ1089

Completion Requirements:

(7 FCEs or their equivalent, with at least 2 FCEs at the 300+ level, including 0.5 FCE at the 400-level)

1. [FIN100H1](#), [FIN110H1](#)
2. [FIN200H1](#), [FIN210H1](#)
3. [FIN300H1](#)

4. 4 FCEs from the following: [FIN230H1](#), [FIN235H1](#), [FIN240H1](#), [FIN250H1](#), [FIN260H1](#), [FIN305H1](#), [FIN310H1](#), [FIN320H1](#), [FIN330H1](#), [FIN340H1](#), [FIN350H1](#), [FIN360H1](#), [FIN400H1](#), [FIN410H1](#), [FIN415H1](#), [FIN420Y1](#), [FIN430H1](#)

5. 0.5 FCE in Breadth Requirement Category 5: The Physical and Mathematical Universes, or another half course approved by the program director, to fulfill the Quantitative Reasoning competency required in the program.

Finnish Studies Minor (Arts Program) - ASMIN1089

Completion Requirements:

(4 FCEs or equivalent, including at least one at the 300+ level)

Four FCEs from FIN-designated courses

Finnish Courses

FIN100H1 - Elementary Finnish I

Hours: 48P

The Department reserves the right to assign students to courses appropriate to their level of competence in Finnish. An introductory language course for students with no knowledge of Finnish. The acquisition of a basic vocabulary and of an understanding of elementary structural features through practice in comprehension, speaking, reading and writing.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SWE100H1 - Elementary Swedish I

Hours: 24L/24P

Elementary Swedish I gives students a basic knowledge of Swedish. Students learn to understand and use Swedish in everyday situations, and to read and write short texts on familiar themes, and speak about their immediate social environment and learn something about everyday life in both Finland and Sweden.

Prerequisite: None

Corequisite: None

Exclusion: SWE 101H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SWE101H1 - Elementary Swedish II**Hours:** 24L/24P

Elementary Swedish II, a continuation of SWE100H1 gives students a basic knowledge of Swedish. Students learn to understand and use Swedish in everyday situations, and to read and write short texts on familiar themes, and speak about their immediate social environment and learn something about everyday life in both Finland and Sweden.

Prerequisite: SWE100H1 or instructor permission**Corequisite:** None**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FIN210H1 - Intermediate Finnish II****Hours:** 48P

The four language skills (speaking, listening, reading and writing) honed by discussion of Finnish literary texts as well as by compositions in Finnish about these texts, by a series of conversation exercises, and by analysis of morphology, syntax and word formation. Translation is used to aid in language learning.

Prerequisite: FIN200H1 or permission of instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FIN110H1 - Elementary Finnish II****Hours:** 48P

An introductory language course for students with no knowledge of Finnish. The acquisition of a basic vocabulary and of an understanding of elementary structural features through practice in comprehension, speaking, reading and writing.

Prerequisite: FIN100H1 or permission of instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FIN225H1 - Culture, Society and Politics of the Nordic Region****Hours:** 24L

An introduction to the culture, society and politics of the Nordic region with a focus on Finland, Sweden and Estonia, and including other countries of the Baltic sea region. An overview of the evolution of culture and society, as well as historical and political developments, demonstrating how interactions between these two spheres have shaped life in the region today.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FIN200H1 - Intermediate Finnish I****Hours:** 48P

The four language skills (speaking, listening, reading and writing) honed by discussion of Finnish literary texts as well as by compositions in Finnish about these texts, by a series of conversation exercises, and by analysis of morphology, syntax and word formation. Translation is used to aid in language learning.

Prerequisite: FIN110H1 or permission of instructor**Exclusion:** FIN200Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FIN230H1 - Finnish Culture 1800 to Present****Hours:** 12L/12P

FIN230H1 offers an introduction to Finnish society, history and culture from 1800 to present. The course examines the rise of Finnish nationalism in the 1800s, its main manifestations, and concentrates on the developments of its cultural, educational and social institutions, its economic structures, demographics, cultural traditions as well as the nation's bilingual status. The focus is on contemporary themes placed in a wider societal context.

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)

FIN235H1 - Finnish Literature 1800 to Present**Hours:** 12L/12P

FIN235H1 surveys the major works in Finnish literature 1800 to present by examining its role in the implementation of the agenda of Finnish nationalism in the 19th and the 20th century. The major genres and periods in Finnish literature are studied.

Recommended Preparation: FIN230H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FIN240H1 - Masterpieces of Scandinavian Literature****Hours:** 12L/12S

Introduction to the greatest authors of Scandinavian literature and their greatest works, particularly August Strindberg, Henrik Ibsen, H.C. Anderssen, Knut Hamsun, Selma Lagerlof, Pr Lagerkvist, Aleksis Kivi, Sigrid Undset and Halldor Laxness, etc. These are situated in their Scandinavian context and in world literature. (Offered every two or three years)

Recommended Preparation: Some background in literature**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FIN236H1 - Hot Reads from a Cool Country: Contemporary Finnish Literature****Hours:** 24S

An introduction to contemporary Finnish literature which leads students through major developments in Finnish literature over the last 30 years with a focus on the major themes and trends of Finnish literature through selected representative works. Finnish texts will be read in translation, analyzed and discussed.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FIN250H1 - Finnish Cinema****Hours:** 12P/24S

The course offers a survey of development of Finnish cinema from its parochial beginnings to its international recognition with a focus on contemporary themes. Selected films with different themes and topics will be screened and analysed. Readings and subtitles in English. (Offered in alternate years)

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FIN238H1 - The Vikings****Hours:** 48L

This course examines the influence and reception of the Vikings on the Nordic countries and Europe up to the modern day, focusing on their legacy in the contemporary Nordic world in literature, film and other cultural fields.

Prerequisite: None**Corequisite:** None**Exclusion:** None**Recommended Preparation:** None**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FIN260H1 - Scandinavian Cinema****Hours:** 12P/24S

Major developments of cinema in Scandinavia in the 20th and 21st centuries focusing on Denmark, Sweden, and Finland. In addition to "old classics," most important recent films are screened and discussed. Film directors include Ingmar Bergman, Carl Th. Dreyer, Aki and Mika Kaurismaki, and many others. (Offered in alternate years)

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

FIN270H1 - Modern and Contemporary Finnish Architecture and Design

Hours: 24P

Finnish architecture and design from the 19th century to the present. Explores the technical and stylistic development of modern architecture and design in relation to the cultural and socioeconomic progress of the young nation. The focus is on the work of modern architects and designers. The course also examines the history of Scandinavian design more broadly.

Prerequisite: None

Exclusion: None

Recommended Preparation: None

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FIN280H1 - Finnish Musical Culture from Sibelius to Heavy Metal

Hours: 24S

Analyzing the role of music in Finnish cultural identity, history, and society, this course explores both traditional and contemporary Finnish music, concentrating on what makes Finnish musical culture unique: Sibelius, kantele, folk music, heavy metal, rock and pop music. We will explore the themes of national and international music, the music industry, and the globalization of Finland's music.

Prerequisite: None

Exclusion: None

Recommended Preparation: None

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FIN300H1 - Advanced Finnish I

Hours: 12P/24S

Advanced Finnish provides a continuation of FIN210H1 Intermediate Finnish.

Prerequisite: FIN210H1 or permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FIN310H1 - Finnish Folklore: The Kalevala

Hours: 12L/12S

An examination of the Finnish national epic, the Kalevala: its relationship to the tradition of folk poetry; its quality as an epic poem; the mythological, religious, and cultural dimensions of its world view; its role in Finlands nation building in the 19th and 20th centuries. Readings in English. (Offered at least every alternate year)

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FIN320H1 - The Finnish Canadian Immigrant Experience

Hours: 12L/12S

Major issues and dimensions of the culture and experience of the Finnish immigrants to Canada, including Finnish Canadian literature, theatre, and press. Conceptual and ideological contributions to working class culture, womens lives, religious and social attitudes and values. Readings in English. (Offered every three or four years)

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

FIN340H1 - Advanced Finnish II

Hours: 12P/24S

Advanced Finnish II provides a continuation of FIN300H1 Advanced Finnish I.

Prerequisite: FIN300H1 or permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FIN350H1 - The Finnish Short Story

Hours: 24S

Historical, structural, and thematic study of the short fiction of Finland from the Romanticism of the 19th century to contemporary post-structuralism and post-modernism. Works of Runeberg, Topelius, Kivi, Canth, Aho, Jotuni, Lehtonen, Schildt, Sillanpaa, Haapala, Meri, Hyry, Salama, Mukka, Liksom, and others. Readings in English. (Offered in alternate years)

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FIN360H1 - Bilingualism in Finland**Hours:** 12L/12S

Bilingualism in Finland as a case study in the sociology of language. A critical survey of the historical development of language politics in Finland as a bilingual society from 1800 until present.

Exclusion: FIN340H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**FIN421H1 - Independent Study****Hours:** TBA

A semester-long reading and research project of significant depth in a major area in Finnish language, literature or culture approved and supervised by an instructor. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**FIN400H1 - Translation: Finnish-English****Hours:** 24S

Written translation from Finnish to English. Students will apply their textual analysis skills in translating texts drawn from diverse sources and genres, while exploring the general theory of translation. Translation exercises will serve as the basis for training in comparative Finnish-English stylistics.

Prerequisite: FIN300H1 or permission of instructor**Recommended Preparation:** FIN305H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**FIN415H1 - Finnish Literature in the 20th Century****Hours:** 24S

This course examines the main literary works and genres of 20th Century Finland, especially Jotuni, Sillanpaa, Haapaa, Meri, Manner, Linna, Tuuri and a sample of contemporary writers. All readings in Finnish.

Prerequisite: Permission of instructor**Recommended Preparation:** FIN410H1**Breadth Requirements:** Creative and Cultural Representations (1)**FIN420Y1 - Independent Study****Hours:** TBA

A year-long reading and research project of significant depth in a major area in Finnish language, literature or culture approved and supervised by an instructor. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

First-Year Foundations

First-Year Foundations Section Text

First-year students in the Faculty of Arts & Science have access to many kinds of foundational opportunities. Large-scale lectures offer a dynamic experience and can be supported with tutorials or labs. Smaller, more intimate courses can help you build relationships with professors and peers early on in your academic career.

If you are considering a small-class experience, read below to learn more about First-Year Foundation Seminars and First-Year Foundation Ones Programs. (Please note: Some Ones Programs require applications—see below for details.)

First-Year Foundation Seminars

First-Year Foundation Seminars enable new students to engage in academically rigorous discussions and develop strong written, oral, and teamwork skills in the process. These small classes are capped at 30 students, which helps ensure that all students are active participants in discussions and have the opportunity to build relationships with professors early on in their academic career.

These courses focus on issues, questions and controversies surrounding a particular topic or theme. Taught by some of the Faculty's leading scholars, the best researchers and teachers at U of T, they are restricted to newly admitted first-year students. Enrol during summer course selection.

First-Year Foundation One Programs

First-Year Foundation Ones Programs are interactive, small-group courses allow you to network with peers and professors and explore a range of compelling issues. All seven colleges in the Faculty of Arts & Science and the Munk School of Global Affairs offer First Year Foundation Ones Programs, which typically combine one or more theme-based courses with co-curricular events and experiential learning. These distinctive first-year programs build community, foster critical thinking and writing skills and develop intellectual independence.

All newly admitted first-year students in the Faculty of Arts & Science can register for First-Year Foundation Ones Programs, regardless of college affiliation.

Note: Some First Year Foundation Ones Programs require an application, while you enrol in others during course selection. See details below.

First-Year Foundation Courses

ANT195H1 - Speculative Fiction and Social Reality

Hours: 24S

How do the imagined worlds of speculative fiction reflect, and reflect upon, the real worlds of their authors and audiences? And on the other hand, how can works of speculative fiction have real-world impacts? Is speculative fiction different, in either of these respects, than other genres of narrative? This course explores a variety of works of speculative fiction from the perspective of an anthropological interest in ideas, imaginations, and narratives in relation to social life. Restricted to first-year students. Not available for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

ANT196H1 - Observing Everyday Life

Hours: 24S

Informal introduction to the notion of "everyday life" in anthropology and related humanities and social science disciplines. How seemingly insignificant, ordinary events and behaviors shape and are shaped by large societal patterns. Students will learn to interpret their own observational experiences with reference to relevant anthropological and other analytical frameworks. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT197H1 - Representations of Intellectuals

Hours: 24S

The course explores ideas of intellectuals who carved transformative theories during war times or under repressive regimes in the twentieth century. Intellectuals featured in the course include Rosa Luxemburg, Frantz Fanon, Walter Benjamin, Lu Xin, Audre Lorde. Further, it would examine cultural representations of them, such as, graphic novels, fictions, essays, films and videos on them or relatable to their ideas. For example, it would assign reading of *Red Rosa*, a graphic novel of Luxemburg together with her own work *Theory of Imperialism*. Or it would juxtapose Lorde's classic, *Sister Outsider*, with Octavia Butler's science fiction, *Parable of the Sower*. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ANT198H1 - Nature: A Cultural Introduction**Hours:** 24S

The distinction (or dualism) between nature and culture is often described as a central feature of the western cultural imagination and of "modernity." The nature/culture dualism is also relevant to many current debates about ecology and environment. This course explores various approaches to "nature" through a variety of written and visual texts, and focuses on representations of the nature/culture dualism. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science**Breadth Requirements:** Creative and Cultural Representations (1)**ANT199H1 - Living on the Water in Toronto****Hours:** 24S

What do the Great Lakes mean to people living here? Especially Indigenous people? When and how do people care about the Great Lakes? Poems, stories, social science offer perspectives on the water from anthropology and arts. Field trips including paddling on a river, hiking; talks with local activists and artists. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science**Breadth Requirements:** Society and its Institutions (3)**AST198H1 - Great Astronomical Issues****Hours:** 24S

There are some fundamental questions which humankind has asked itself over the centuries. Many of these involve astronomical origins, events, and objects. Astronomers now have the tools with which to attempt to answer some of the most fundamental questions, such as "Where did it all begin, where are we in space and time, are we alone, and who and what are we?" This seminar will explore some of these great issues. The selection of topics will be made initially by the instructor, but will be modified by the seminar participants at the first class meeting. Topics could include: stellar evolution and the future of the Sun, origin of the elements, origin and future of the Universe, origin of the Earth, origin of life, and extinction of the dinosaurs, global warming, the scientific method, astronomy and the public. Participants will be expected to join actively in lively discussions and to prepare and lead some of the seminars. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: AST199H1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**AST199H1 - Astronomy at the Frontier****Hours:** 24S

This seminar series aims at building up general scientific literacy, by discussing selected topics in current astronomy, cosmology, and space science. We will delve into the physical foundation behind the questions being asked and how the answers are being sought. Students will have an opportunity early in the course to select topics of particular interest to them and this will govern the choice of readings as well. Topics could include: formation of stars; lives and deaths of stars; stellar corpses: white dwarfs, neutron stars, and black holes; planets around other stars; recent results from Hubble and other telescopes; architecture of the solar system; exploration in the solar system; the invisible universe: dark energy and dark matter; first light; formation of galaxies; the age and future of the universe. Participants should be comfortable with basic mathematics and quantitative reasoning. Students will be expected to do independent research for essays, presentations, etc. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: AST198H1; Open only to newly-admitted, Faculty of Arts & Science students (3.5 credits or less);**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**CDN197H1 - Inventing Canada****Hours:** 24S

This course explores the ways that Canadian history and identity have been commemorated, interpreted and experienced, now and in the past. The course focuses in particular on who has been included or excluded in commemorative efforts over time. Key topics include representations of women, Indigenous peoples, and political figures on screen and through public installations like museum exhibits, plaques and statues. Case studies highlighting a range of interpretive media will encourage students to work with and discuss a range of primary and secondary sources, build critical thinking and academic writing skills. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

CDN198H1 - Canada, Colonialism and Settler Relations

Hours: 24S

A First Year Foundations seminar focused on exploring Canada's colonial history and recent efforts to enact appropriate settler relations through an interdisciplinary lens. Topics will include contemporary land claims and treaty-making processes, the Royal Commission on Aboriginal Peoples, governmental apologies for the mistreatment of Indigenous peoples, the Truth and Reconciliation Commission, land acknowledgements, practices of allyship through social movement such as Idle No More, and efforts to influence Canada's overseas mining practices. Restricted to first-year students. Not eligible for CR/NCR option.

Breadth Requirements: Society and its Institutions (3)

CDN199H1 - Canada- Hong Kong Migration

Hours: 24S

This course surveys the effects of migrations and cultural connections between Hong Kong and Canada from the 1960s. Students will discuss and analyze the impact of migrations, and study the connection between the two locations from the perspectives of history, culture and literature, politics and democracy, economic and financial development and the network of people and community. Restricted to first-year students. Not eligible for CR/NCR option.

Breadth Requirements: Society and its Institutions (3)

CHM194H1 - Science and Human Values

Hours: 0L/0T/0P/24S

There is a tension between creativity and the search for truth, which in science can be looking for patterns in nature. With examples drawn particularly from reports of scientific discoveries that have generated controversy, this seminar course will introduce the underlying principles and history of science, as well as how science and its boundaries are evolving, and how these influence human values. Restricted to first-year students. Not available for CR/NCR option.

Prerequisite: None

Corequisite: None

Exclusion: Other First-year Seminars

Recommended Preparation: Minimum level of high school science and mathematics

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM195H1 - Innovative Teaching Methods in Chemistry

Hours: 24S

Good teaching is effective communication that engages the audience. In this breadth course, we'll explore innovative teaching in science, through an examination of the nature of science, how scientific knowledge is built, and what makes certain concepts in science problematic to the learner. Students will read and discuss relevant articles in newsmagazines, popular science sources, and educational literature. They will design and deliver mini-lessons to communicate specified scientific concepts. As a major course project, students will develop a communication tool that integrates pedagogical know-how with leading-edge chemical discoveries to produce a teaching unit for use by Ontario teachers. Restricted to first-year students. Not available for CR/NCR option.

Prerequisite: None

Corequisite: None

Exclusion: Other First-year Seminars

Recommended Preparation: Minimum level of high school science and mathematics

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

CHM196H1 - The Quantum World and Its Classical Limit

Hours: 24S

This course seeks to demystify quantum mechanics and equip students to critically analyze popular depictions of quantum phenomena. While quantum mechanics provides a reliable description of the behavior of atoms, molecules and photons, most people are uncomfortable with some of its predictions, such as "quantum entanglement" between distant particles. In this course we will delve into key aspects of quantum mechanics and its more comfortable classical limit, focusing first on its manifestations in nature and then on fundamental issues such as uncertainty, interference, entanglement, and decoherence. This course will appeal to students with enthusiasm for physics. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Other FYF classes

Recommended Preparation: High school physics and mathematics

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM197H1 - Environmental Chemistry in a Sustainable World

Hours: 24S

Rapid and widespread industrialization is changing the chemical nature of the planet. In order to have a sustainable future, we need to manage chemicals released by humankind, and to understand their effects on the environment and on us. Each year, this seminar course will address the fundamental science behind a specific topic in this field, such as the interactions of our energy choices and the environment, changes in water and air quality, or exposure to biologically-active synthetic chemicals such as pharmaceuticals or personal care products. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Other FYF courses

Recommended Preparation: Minimum level of high school science and mathematics

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM199H1 - The Context of Chemistry: Origins, Concepts, Tools, and Challenges

Hours: 24S

Chemistry is a practical as well as a conceptual science that serves as the basis for applications in many other fields. The ideas and methods have evolved from diverse inputs leading to widely accepted sets of standard of facts. This collective knowledge has led to progress in the quality and understanding of life at a molecular level. While the facts of chemistry are taught in established courses, the context of what we know, the limitations and challenges of what chemistry can do and how we got to this point will be the targets for discovery by students in this course. The course will operate in a seminar model, combining presentations, readings, reports and discussions of current and historical issues. Restricted to first-year students. Not eligible for CR/NCR option.

Corequisite: CHM135H1 and CHM136H1 (in sequence) or CHM151Y1

Exclusion: Other FYF courses

Recommended Preparation: Grade 12 level chemistry

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CHM198H1 - Biosensor Technology and Applications for the Non-Scientist

Hours: 24S

This breadth course introduces uses of and key ideas behind biosensor technology. Sensors will be familiar to all, playing key roles in our everyday lives, for example in touch screens or in automotive technology. Biosensor devices are fabricated from an electrical transducer which is intimately connected to a biochemical probe such as an enzyme or antibody. The idea is that a detectable electrical signal can be obtained when a target molecule or ion binds to the probe. Such a device offers many applications. These range from the detection of biological markers in blood and serum to test for genetic and infectious disease, to the selective monitoring of biomolecules for public safety, or in biotechnology or other industrial processes. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Other FYF Courses

Recommended Preparation: Reading of book chapter on biosensor technology

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

CLA196H1 - Homer's Odyssey down through Time

Hours: 24S

This course will survey creative works inspired by Homer's *Odyssey*. First we will read through the *Odyssey*, contextualizing the Homeric epic within the larger story of the Trojan War and the subsequent heroic return in the "Epic Cycle." Then we will study various "receptions" of the *Odyssey*, ancient and modern. Ancient works will include the satyr play *Cyclops* by Euripides and portrayals of a love-sick Cyclops in Theocritus and Ovid. In *True Story* Lucian calls Odysseus a liar but rivals his travel tale with episodes placed on the moon and inside a whale. Modern works include Atwood's *Penelopiad*, Walcott's stage version of the *Odyssey*, and the film "O Brother, Where Art Thou?" Themes will include travel literature, truth and lying, localization of the wanderings of Odysseus, culture clash, and the definition of home. All this material, various in date, media, and fidelity to their Homeric source, will provide us with a well-rounded sense of how the *Odyssey* has been re-imagined over the ages. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CLA197H1 - Poetics of Desire

Hours: 24S

The seminar will introduce students to the texts and social context of Eros in Ancient Greece and Rome as it appears in such authors as Hesiod, Homer, Sappho, Catullus and Ovid. It will also examine ancient discussions of the nature of desire, such as those in Plato's *Symposium* and *Phaedrus*. Finally, the course will explore how these traditions were received in Renaissance poetry and thought, through works such as Petrarch's *Rime Sparse* and Shakespeare's *Sonnets*. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CLA198H1 - Julius Caesar

Hours: 24S

Gaius Julius Caesar (100 – 44 BC) was a writer, an orator, a reformer, and a builder, as well as a general, a conqueror, an explorer, and a dictator. After his death, he was even worshipped as a god with a temple in the very heart of Rome. According to his critics, both ancient and modern, he was also a megalomaniac, an enemy of the state, a war criminal, and a tyrant. Only a very few individuals have left such an extensive and controversial mark on the history of the ancient world. We shall consider as many aspects of his life and his legacy as we can, from his conquest of Gaul to his decision to plunge Rome into a horrific civil war, from his love-affair with Queen Cleopatra of Egypt to his brutal assassination on the Ides of March. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CLA199H1 - Death and the Underworld in Classical Antiquity

Hours: 24S

The question of what happens after death has long fascinated humanity. Every culture elaborates a variety of answers to this question, resorting to different approaches in order to discuss, represent and attempt to 'control' the end of human life. Ancient Greeks and Romans articulated their responses to the problem through philosophical and historical-ethnographic inquiries, through the figurative arts, and through myth and poetry. Death, funeral, and mourning were in antiquity at the centre of complex social rituals, often crucial to the construction of a community's identity. Mass casualties in war or following disastrous events, while causing exceptional bereavement, also engendered artistic monumentalization. At the core of ancient responses to the mystery of death, however, are attempts to imagine the specifics of the afterlife (its setting, nature and quality), or else to deny such an afterlife altogether. The seminar will focus on Greco-Roman answers to the problems of death and afterlife, with an interest in the various practices of funeral and mourning, a consideration of funerary monuments, and a special focus on mythical and literary representations of the Underworld. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CSB196H1 - Genes, Genomes and Us

Hours: 24L

With the completion of the human genome sequence, we now have access to more information than ever before about our genetic make-up. This course addresses topics such as what are genes, how are they identified and how does knowledge about genes impact society. Students will learn basic concepts in genetics. Using this conceptual foundation, the significance of genomic research for understanding human biology, and the social consequences that may result from it, will be discussed. Evaluation is based on class discussions, homework, oral presentation and written assignments. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

CSB197H1 - Human Viruses**Hours:** 24L

This course allows students to broaden their knowledge about the most important human viruses and prions. In essence, what viruses are, what they do, what are the diseases caused by viruses and how they are transmitted, etc., and what can be done about them (vaccines, antiviral treatments, etc.). Viruses cause many diseases ranging from a benign rash to severe hemorrhages and death. Each student will select a specific topic in Virology and write an essay and present a seminar for the rest of the class. Major "hot" problems in Virology from pandemics to controversial vaccines will also be discussed. Two tests covering all materials presented by all the students' seminars will be conducted. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science**Breadth Requirements:** Living Things and Their Environment (4)**CSB198H1 - Cell and Molecular Biology in the News****Hours:** 24L

The pace of knowledge creation in the fields of cell and molecular biology has greatly increased in the 21st century and with it, the need for greater scientific literacy. In this course, we will teach students to find reliable sources of information in order to understand the basic concepts underlying the research reported in these media releases, with the ultimate aim of critically evaluating these reports. Through exploration of various media articles in cell and molecular biology (with an emphasis on humans), students will be able to apply what they have learned to current events, as well as relevant issues in their lives and society as a whole. Students will be assessed through short-written assignments, class discussions, an oral presentation, and a final project where they will get the opportunity to explore the research behind a media article of their choice. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science**Breadth Requirements:** Living Things and Their Environment (4)**CSB199H1 - Biotechnology and Society****Hours:** 24L

From the manipulation of genes of plants for improved food production through to human tissue engineering and stem cell research, biotechnology is increasingly playing a major role in our world. Society, however, is often challenged by the rapid advances in our knowledge in these areas, and how to best apply these technologies in a manner that is socially responsible and economically viable. In this seminar course, students will research and describe various applications of biotechnology using information obtained from reputable sources, and lead discussions on the benefits and concerns that arise from this research. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science**Breadth Requirements:** Living Things and Their Environment (4)**CSC197H1 - What, Who, How: Privacy in the Age of Big Data Collection****Hours:** 24S

The rapid advance of technology has brought remarkable changes to how we conduct our daily lives, from how we communicate, consume news and data, and purchase goods. As we increase our online activity, so too do we increase the amount of personal data that we're sharing, often without realizing it. The questions of exactly what data is being collected, who is collecting and accessing this data, and how this data is being used, have significant implications for both individuals and our larger social and political institutions. Organized by a wide variety of case studies drawn from current events, we'll study how personal data can be collected and tracked, how personal and social factors may influence our own decisions about whether and how much to share our data, and what broader political and legal tools are used to either protect or subvert individual privacy. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science**Breadth Requirements:** Society and its Institutions (3)

CSC198H1 - Computing for Science**Hours:** 48L

Computational skills for the modern practice of basic and applied science. Applied computer programming with an emphasis on practical examples related to the simulation of matter, drawing from scientific disciplines including chemistry, biology, materials science, and physics. Studio format with a mixture of lecture, guided programming, and open scientific problem solving. Students will be exposed to Python numerical and data analysis libraries. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Any CSC course, except CSC104H1**Recommended Preparation:** We recommend students also be enrolled in CHM151H1, PHY151H1, or another science course**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**DTS199H1 - The Bible and Migration****Hours:** 24S

From the expulsion of Adam and Eve from Eden to the border-crossings in the book of Ruth and the journey of Joseph and Mary to Bethlehem, the Bible speaks powerfully and in many voices about the experience of displacement and migration. These stories continue to play a complex and important role in modern literature and contemporary debates about migration and migrants. Our course will explore biblical narratives and laws about sojourners, strangers, foreigners, refugees and migrants, follow the paths of these travelers into later religious and political discourse, and attend to the reverberations of these journeys in contemporary art, literature and political discourse. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities; Social Science**Breadth Requirements:** Thought, Belief and Behaviour (2)**CSC199H1 - Intelligence, Artificial and Human****Hours:** 24S

What is human intelligence? How close are we to replicating it? How productive/reductive is the brain-computer analogy? What ethical challenges are posed by AI on workers, society, and the environment? Can we put a hold on "progress"? Is Silicon Valley the seat of a new techno-religion? What can they teach us about today's research priorities? What insight (or inspiration) can we get from works of science fiction about the future of human-AI interaction? Through reading discussion, written assignment, and workshops, this seminar will present students with the opportunity to integrate their computer science interests with philosophy, history, and literature. *There is an equivalent course offered by St. Michael's College. Students may take one or the other but not both.* Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: SMC199H1 (Intelligence, Artificial and Human)**Distribution Requirements:** Science**Breadth Requirements:** Society and its Institutions (3)**EAS196H1 - Consumption, Taste and Culture in East Asia****Hours:** 24S

This course explores the roles that consumption and taste play in personal and public lives in East Asia. Course focus may include the cultural histories of food, fashion, tourism, sports, or forms of audio and visual media. (No prior knowledge of East Asian languages or cultures is necessary.) Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**EAS197H1 - Media Worlds and East Asia****Hours:** 24S

The term "world-making" is often used nowadays to refer to transmedia storytelling, or the creation of story-worlds across serial narratives in a range of entertainment media, such as novels, games, film series/franchises, television shows, comics, and webtoons. This course looks at the ways that media producers and fans, alike, engage with media worlds. More importantly, the course situates these media worlds within a broader conception of "world-making," namely, the geopolitical and economic configuration of modern East Asia. (No prior knowledge of East Asian languages or cultures is necessary.) Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

EAS198H1 - Martial Arts in East Asian Narratives

Hours: 24S

What can we learn about East Asian history and culture through its rich tradition of narratives featuring the martial arts? This course introduces short stories and novels dealing with combat and warfare from nearly two thousand years of East Asian literature, exploring issues such as self and society, gender, power, the body, and identity. All texts will be provided in translation, and no prior knowledge of any East Asian language or culture is necessary. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

EAS199H1 - Thinking through Art in Chinese Culture

Hours: 24S

This seminar explores different visions and methods of art (textual and visual) as a way of thinking about living, knowing, and willing in Chinese culture. Examination of various theoretical texts on arts and literature, as well as works of art themselves, will provide students with knowledge and research skills on arts in Chinese culture, and an expanded sense of Chinese intellectual history. Questions explored in the course will include: How should we understand the concept of Chinese art beyond representation? How did Chinese literati pursue a sense of beauty through their poetry and painting? How is beauty apprehended in natural and constructed landscapes? What are the political and social functions of art education in Chinese culture? How do Chinese artists fit into a global cultural context? (No prior knowledge of East Asian languages or cultures is necessary.) Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ECO197H1 - Seminar on Classical Economic Thought

Hours: 24L/12T

This seminar examines the basic ideas of the five most notable economic thinkers before 1870: Aristotle, Adam Smith, Thomas Malthus, David Ricardo, and Karl Marx. We focus on demand as the basis of price in Aristotle; the ambiguity in Smith between a labour theory of value and a demand/supply theory of value; the principle of population in Malthus; Ricardo's labour theory of value and his theory of rent and economic growth; and Marx's labour theory of value as the explanation for the development of capital. The understanding in these authors of economics as an historical process of production gives fascinating insights into modern economic development that contrast with the modern economic concentration on the distribution of resources in a world of scarcity. Restricted to newly-admitted first-year students. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO198H1 - Seminar on Modern Economic Thought

Hours: 24L/12T

This seminar examines the development of modern economic thought from the marginal revolutionaries (Jevons and Menger) who proclaimed that demand in the form of utility was the basis of price to the supply/demand analysis of Alfred Marshall that established modern microeconomics by 1890. We then look at Irving Fisher's 1907 foundation of the modern concept of the interest rate and the present value of capital before reviewing J.M. Keynes' 1936 criticism of neo-classical positions on full employment and interest rates in arguing for government manipulation of interest rates to ensure full employment. We finish with Milton Friedman's championing of the unregulated market economy through his quantity theory of money critique of Keynes. Restricted to newly-admitted first-year students. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ECO199H1 - Economics and Sustainable, Green Development

Hours: 24L/12T

Economic growth has been a powerful force through history in improving living standards throughout the world. At the same time, there is a growing recognition that environmental damages frequently accompany this growth, whether it be at the local level (soil degradation and deforestation), or the global level (climate change). Economics studies the allocation of scarce resources, but how can it incorporate "the environment" in a meaningful way that can help guide policy-makers in the 21st century? This course is a fast review of economic approach and tools, and a review of a wide range of environmental policies, designed to manage the possible adverse impacts of economic expansions. The major emphasis in this course is on the market-based policies that guarantee incentive compatibility of these policies, thus, a higher chance of success. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

EEB197H1 - Biodiversity and the City

Hours: 24L

Most of us are urban creatures, but we as people are not the only urban creatures. In this seminar we will explore the diversity of animal and plant species comprising the ecological community that we call "Toronto". We will learn their names, whether they are endemic (from here originally) or newcomers, general aspects of their biology that suit them to living in an urban environment, how natural selection shapes the traits similarly and differently for species in urban versus wilderness settings, and what happens when the wild and the domesticated members of the community meet one another. For non-science students in all years and disciplines. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

EEB198H1 - Genes and Behaviour

Hours: 24L

In this course you will experience the new paradigm in behaviour genetic research. You will learn why the concept of a nature-nurture dichotomy is passé and that it has been replaced by a new understanding gained from animal and human research in the areas of gene by environment interaction and epigenetics. We will discuss how our genome listens to our environment and the effect this has on our health and behaviour. We will learn why our early experiences are critical for the development of our brains and our bodies. Together this new body of knowledge will help us understand how individual differences in behaviour and health arise. For non-science students in all years and disciplines. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

EEB199H1 - Humans, Evolution and Ecology

Hours: 24L

Learn about the evolution and ecology of humans and other species. Through discussion, scientific literature research, seminal readings, written reports and presentations you will discover scientific answers to questions such as (topics vary among years): How did life originate? Why are there so many species? Where did humans come from? Will humans become extinct? How can we explain human DNA and human brain size? Need we worry about climate change? What is causing the sixth extinction crisis? Are there ecological limits to human population size? What will life be like in the Anthropocene? Are humans still evolving? For non-science students in all years and disciplines. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

ENG196H1 - Time Travel and Narrative

Hours: 24S

From H.G. Wells to *Star Trek* to *Bill and Ted's Excellent Adventure*, tales of time travelers remain captivating. What does our fascination with time travel tell us about storytelling and narrative? This course will explore the questions that time travel raises about narrative as well as history, temporality, subjectivity, and agency. We will look at examples of time travel in film, television, and books as well as philosophical and scientific writing about it. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: ENG197H1, ENG198H1, ENG199H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENG197H1 - Representing Disability

Hours: 24S

Understanding disability as a cultural concept—not a medical condition or personal misfortune—that describes how human variation matters in the world, this course asks: how do literary texts represent physical and intellectual disability? Reading drama, fiction, and poetry, we will consider how disability prompts new strategies of writing and thinking. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: ENG196H1, ENG198H1, ENG199H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ENV199H1 - Debating & Understanding Current Environmental Issues

Previous Course Number: SII199H1 LEC0201

Hours: 2L

The course examines current environmental issues for which there is no easy answer or consensus position. For instance, to help solve climate change should we generate more electricity from nuclear power-plants, which have no greenhouse gas emissions? Or instead, should we phase out nuclear plants because of possible accidents, costs and radioactive wastes? The seminar examines the scientific and political aspects of such issues and debates the pros and cons of each. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

ENG198H1 - Shipwrecks and Castaways: Disaster at Sea in Literature

Hours: 24S

For thousands of years, stories of disaster at sea have been among the most widespread and popular of literary genres. These stories raise fundamental questions about the relationship between human beings and the non-human world and the nature of humanity itself. This course will explore the treatment of such questions in some great literary accounts of disaster at sea, from Homer's *Odyssey* to the twenty-first century. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: ENG196H1, ENG197H1, ENG199H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ESS196H1 - Life and Death in the Solar System

Previous Course Number: PMU199H1

Hours: 24L

Earth is the only planet in the solar system known to support life. Through directed readings, seminars, videos and lab visits, participants in this course will work with instructors whose own research tackles important questions concerning the origin of life on earth; the limits to life on this planet; implications for life under extreme conditions elsewhere in the solar system; and the life cycles of the planets themselves. The course will involve reading of scientific literature, student-led discussions, oral presentations and research projects, as well as potential field trips to sites in Southern Ontario. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ENG199H1 - Writing About Music

Hours: 24S

This course will consider what makes for an effective piece of critical or creative writing about music by looking at a wide range of essays, stories and poems that celebrate, theorize, or attempt to translate the impact of classical, jazz and popular musical performances. Authors studied will include Ross, Murakami, Byrne, Cather, Nabokov, Baldwin, Ishiguro and others. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: ENG196H1, ENG197H1, ENG198H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ESS197H1 - Earth and Life through Time

Previous Course Number: PMU199H1

Hours: 24L

This seminar will look through the lens of earth history to explore drivers of change in the biosphere and the impacts of these changes. We will focus on episodes of mass extinction, and the spectacular landscape changes and speciation events which often followed. Abrupt or gradual climatic changes, massive volcanism, asteroid impacts, catastrophic carbon releases, and human activity will be evaluated as the causes of major extinction events in Earth history. The course will involve reading of scientific literature, student-led discussions, oral presentations and research projects, as well as potential field trips to sites in Southern Ontario. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS198H1 - Resources and Sustainability

Previous Course Number: PMU199H1

Hours: 24L

The rise of humanity is intricately linked to the exploitation of natural resources. From its earliest attempts to use fire and extract metals from rocks, to coal-fired steam that brought the industrial revolution, hydrocarbons that fuel international travel and trade, nuclear energy to produce electricity, and the reliance on smartphones in our daily lives, the planet's resources have brought innovation and problems and require us to ask questions regarding sustainability. This course will explore the gamut from resource extraction and trading, to its societal consequences including global politics, environmental pollution, and remediation. The course will involve reading of scientific literature, student-led discussions, oral presentations and research projects, and potentially field trips to sites in Southern Ontario. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

ESS199H1 - Earth, Portrait of a Planet

Hours: 24L

Modern Earth Sciences touches on virtually all aspects of modern life, from the atmosphere to large scale natural disasters. This course will explore how earth sciences has shaped our society and our understanding of the earth as a system. Potential course topics include (but are not limited to) the great climate change crisis and what we know about climate change in the past to the literally earth moving ideas of plate tectonics (and the associated natural disasters). The course will involve reading of scientific literature, student-led discussions, oral presentations and research projects. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

FAH195H1 - On Foot: From Pilgrimage to the Mobile City

Hours: 24S

Walking is a basic human activity, yet it also defines and shapes us. In order to understand the permutations of this seemingly simple activity we will look at walking in a variety of contexts through the study of texts, art, movies and the built environment. Restricted to first-year students. Not available for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH196H1 - Marco Polo's World

Previous Course Number: CCR199H1

Hours: 24S

This course explores the visual and material worlds of the Italian traveller Marco Polo, which are described in his *Travels*. Together we will read sections of this text and explore their meaning with respect to the objects and monuments of Marco Polo's time from the regions to which he travelled. By studying cartography, art, architecture, and urban form in the expansive medieval world of Marco Polo, the course will introduce us to the global world of the Middle Ages. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH197H1 - Classical Art from Greek Gods to Roman Gladiators

Previous Course Number: CCR199H1

Hours: 24S

The ancient Greeks and Romans lived in a world full of images. Ancient visual culture comprises not only the high arts but also the everyday. This course is meant to introduce students to key ideas about how art and images in general impacted the life of ancient Greeks and Romans. Students will learn to examine various categories of visual material ranging from the pictorial and applied arts (painting, sculpture, architecture) to everyday artifacts (for example, domestic wares, jewelry or weapons). Through a series of discussion-centred seminar sessions students will explore the interconnections between art and ideology, art and identity as well as visuality and viewing. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH198H1 - Shocking Artists, Shocking Art

Previous Course Number: CCR199H1

Hours: 24S

Art causes scandals for many reasons, provoking a range of consequences, including censorship, cuts to government funding of the arts or even destruction of the work in question. In this course we will consider a number of kinds of art scandal arising from exhibition in public galleries and urban spaces, including those that have to do with legal issues such as plagiarism and vandalism; aesthetic objections on the part of the public, ranging from perceived obscenity to simple resentment of abstract art; racism; sacrilege; and political subversion, amongst others. We will consider the work of artists including Chris Ofili, Joep van Lieshout, Paul McCarthy, Damien Hirst, Michael Snow, Sally Mann, Banksy, Rachel Whiteread, Richard Prince, Andres Serrano, Robert Mapplethorpe, Carl Andre, Maya Lin, and Jeff Koons, amongst others. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FAH199H1 - Curiosity: Art and Science

Hours: 24S

“Curiosity” can refer to the desire to know or learn something, but the word has also been used to define objects of singular interest: “curiosities.” Drawing from the University of Toronto’s rich museum and library collections, this course will present an overview of the diverse and shifting European cultural attitudes toward curiosity—from the early modern period to the present. We will examine themes such as: museum history, rarity and monstrosity, natural history illustration, exploration and travel art, the construction of racial and cultural difference, and visual entertainment. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FCS196H1 - Exploring Linguistic Variation in Spoken French

Hours: 24S

“R texting n tweeting like” ruining the language? Do young people speak differently than older people? Are teenagers causing language change? How do we adapt the way we speak in certain situations? Are some varieties of French better than others? In this practical introduction to variationist sociolinguistics, we will investigate these and similar questions through the analysis of linguistic variation and change in multiple varieties of French. No knowledge of French is necessary. The course will be held in English. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

FCS197H1 - Pleasure, Pain and Nostalgia in Belle Époque

Hours: 24L

This course will explore ideas and cultural representations of 19th century France through examples from art, philosophy, and literature with an emphasis on the critical discussion of two literary narratives that challenged tradition and authority: Flaubert’s “Madame Bovary” and Maupassant’s “Bel-ami”. The course will be held in English. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FCS198H1 - Dreaming of Future Worlds: The Making of Modernity in 19th-Century France

Hours: 24L

This interdisciplinary course will analyze the different forms of the imagination of future and the debates between different conceptions of modernity in 19th-century France. From different perspectives, the students will be invited to reflect on the role of utopian imagination, on the emergence of social sciences, and on the force of the philosophies of progress. The course will be held in English. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

FCS199H1 - Francophone Indigenous Voices from Quebec

Hours: 24S

This course will explore Indigenous arts and literature from Quebec, from 1975 until present day. We will examine the ways in which these contemporary francophone artists re-write colonial histories, assert Indigenous cultural sovereignty, make place for Indigenous languages, and represent positive interpersonal relationships. The course will draw from a variety of literary genres (poetry, short story, essay, autobiography, historical fiction) as well as visual art and cinema. In addition, the works considered will be by artists from diverse nations (Wendat, Cri, Innu, Algonquin, Métis). In these ways, students will come to understand the many diverse forms of the contemporary Indigenous “renaissance.” The course will be held in English. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

GER196H1 - "Es war einmal auf Deutsch" - Learning German with Fairy Tales

Hours: 24S

Grimms Fairy Tales – we all know and love them. But what do we *really* know? Which versions are we familiar with? Most likely not the ones by the Brothers Grimm. And certainly not in German! This course is a journey into the mythical German Schwarzwald, a place of wolves and witches, the realm of the fantastic. It is not a traditional language course, as we won't be cramming grammar and vocabulary, at least not excessively. Rather, we will learn German playfully by reading, analyzing and acting out original folk tales, their Romantic adaptations and modern retellings. In the process we will enrich our understanding of German language and culture. Please note that basic knowledge of German is required to participate in this course (i.e. at least one year of solid high school instruction). Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: One year of German instruction, or equivalent

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER197H1 - Automaton, Puppet, Thing in German Literature (E)

Hours: 24S

This course will introduce students to the various attempts in German literature over the course of the past 200 years to define the boundary between human and non-human agents. It will examine the idea of a mechanical being, of prostheses (both physical and emotional), of self-motivated matter, of narrating agency in non-human beings, and of imagining the limits of human action. In reading select texts on this topic, we will explore the physical, mental and moral qualities that purportedly separate human from non-human agents. Students will gain insight into the problem of defining human beings in the context industrialization, mechanization, automation and artificial intelligence. Restricted to newly-admitted first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER198H1 - Technology and the Human in German Literature and Thought (E)

Hours: 24S

Technology has changed our lives, and scientific knowledge has enhanced human capacities. At the same time, though, this development is also experienced as a threat. Killing missiles, controlling 'Big Brothers,' and monstrous creatures are often considered the flip-side of technological advancement. This course asks: What is the relationship between technology and the "human"? Can there be progress of technology without a regress of humanity? Or is technology liberating us from the bonds of nature? We will discuss possible answers to these questions by looking at key texts in German literature, philosophy, and cultural history from the eighteenth century to Post-Modernity. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GGR196H1 - Tracking Insect Life: The Political Ecology of "Bugs"

Hours: 24S

Have you wondered why we find a ladybug 'picturesque' but a cockroach 'disgusting'? Have you thought of butterflies as feminine and sublime, and bees as an army? Have you ever received advice in your workplace or school to avoid behaving like a 'mosquito,' meaning to resist engaging in micro-aggressive conducts? Have you been curious about why the film industry created an enlarged half human/half ant 'alien' creature to feed our worst fears? This course engages with these and other contradictory and complex renderings of insects in Western culture and around the world to investigate how we define the limits of social belonging in relation to space and place. The course explores how the anxieties and wonders around insects' behaviour are related to aspects of the human/nature relationship. By tracking the political ecology of insects, the course provides a first approximation to arguments about the connection between nature and culture and "lived-in" environments; also exploring themes of class, gender, race and settler colonialism. Because this is a first-year seminar, reading and engaging actively with the course material is important for this course.

The course also serves as an introduction to other subjects that are relevant to navigating post-secondary life, such as: critical reading; conducting university-level research; presenting and communicating ideas in the classroom; teamwork; and how to benefit from it; and developing social networks.

Restricted to newly admitted first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GER199H1 - The Pleasure of Reading: Reading as Self-Emancipation in the German Literary Tradition (E)

Hours: 24S

In this course we read some of the most enjoyable plots and stories in German Literature and examine how the pleasure of reading sets readers free to re-imagine themselves and the world released from everyday pressures and the repressive weight of the status quo. Readings are all in English translation and include texts by Lessing, Goethe, Schiller, Kleist, Keller, Heine and Kafka. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GGR197H1 - Nature, Conservation and Justice

Hours: 24S

Every day we read about climate change, species extinction, environmental degradation and the need for nature conservation. It is increasingly becoming apparent that the environmental problems that we face today arise from a deeper crisis relating to human ways of viewing and connecting to nature. This course asks how we can rework human ways of relating to nature, while querying the idea of "nature" and questioning the dominant approaches to nature conservation. It asks how can concerns for nature and for other species be balanced with that for human livelihoods and well-being? How can inequalities with regards to the distribution of environmental goods and bads be reduced? How are citizens and communities in the different parts of the world struggling against environmental injustice and to protect their local environments? How do these place-based movements demand justice and what visions do they articulate for a more just and sustainable world? How do indigenous worldviews offer conceptual resources for rethinking nature and our ways of relating to nature? The course will explore these questions using lectures, class discussion, videos and student presentations. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR198H1 - Political Spaces

Hours: 24S

Is space political? In what ways? What are the implications of thinking about politics geographically? How do political conflicts both invoke and transform space and place? What kinds of alternative political relationships to space and alternative mappings can we imagine? This course will attempt to answer those questions while exploring a wide range of possible contexts in which political spaces are evident. These may include: conflicts over the intimate spaces of the body, identity, and the home; the racialization and gendering of space; the politics of cities and urbanization; the boundaries of public and private space; struggles over land, property, resources and 'nature'; the political geographies of labour, citizenship and migration; globalization of economic markets and alternative economic political and social cartographies; borders, geopolitics, and the territorial politics of empire; and the geographic projects of colonialism, post-coloniality, modernity, and modernization. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR199H1 - Race, Conflict, and the Urban Landscape

Hours: 24S

This course will focus on how racial conflict affects the size, shape, composition, and landscape of cities. It will emphasize Canadian and American cities, but other international examples will be discussed for comparison. Ethno-racial conflict has been, and continues to be, an important force on cities throughout the world. Course topics will include housing and employment discrimination, ethno-racial uprisings, and inequality. The course will be a discussion-oriented blend of academic readings, popular journalism, and film. It will serve as an introduction to concepts that are dealt with in greater depth in second, third, and fourth year geography courses. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

HIS195H1 - Drunk History

Hours: 24S

Histories of wine or beer or vodka often focus either on the production of these alcoholic beverages and their role in national economies, or the ways that drinking is part of celebrations. But drunkenness enters the historical record in other ways, too--not just as a social lubricant but as a social ill, one associated with intimate violence or violence to the self and with mass protest. From worries about the Gin Craze to the rise of temperance movements and eventually the passing of Prohibition, from tax policies to policing, this class will consider the many ways that drunkenness has been accepted, denounced, and legislated about in societies around the world. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS196H1 - Religion and Violence

In this seminar we will explore the complex roles of religion in cases of extreme violence. Working chronologically backward from the 1990s (Rwanda, former Yugoslavia), we will consider cases from a number of locations and decades in the 20th Century (Cambodia in the 1970s, the Holocaust in the 1940s, Armenians in the 1910s, Southwest Africa in the 1900s). Rather than limiting ourselves to the recent past, we will also explore cases from the 19th century (imperialism) and earlier as well as ongoing situations that connect past and present (aboriginal people in the Americas). Students will be expected to do the assigned reading (from personal accounts, primary sources, and scholarly articles), participate actively in discussions, prepare a series of short responses, make an oral presentation individually or with a group, and produce a final paper based on original research. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS197H1 - Microhistory, Global History, and Historical Narrative

Hours: 24S

How do historians make arguments and tell stories? How does the scale of their gaze affect their narrative strategies? In this course, we will consider a number of topics and themes related to these questions: the difference between microhistory and biography (or microhistory and regional history); the relationship of microhistory to global history; the role of the historian in these kinds of history; and the ways that microhistory and global history both pose particular problems of narrative. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS198H1 - Decolonizing Women's History

This course introduces students to the historiographical and theoretical debates in women's and gender history from a global perspective, with emphasis on the local histories of women in the non-western world. Students will study the themes in women's history as articulated by first and second wave feminists. The second part of the class deconstructs the basic assumptions of Western feminism through the perspective of post-colonial feminist writings and empirical studies. The readings are structured so that you consider how examples from Asia disrupt narratives of universality in Western feminist epistemologies. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS199H1 - Soccer: The History of the World's Game

This seminar proposes to consider the history of the world's most popular sport, soccer, in broader political, social, economic, and cultural context. We will consider the emergence of the modern game in industrializing Britain in the 19th century; its globalization; its mobilization as a vehicle for political expression, as well as social cultural, and gendered identities; supporter culture; and soccer as an industry. Students will read scholarly works from a range of disciplinary perspectives, including history, cultural anthropology, sociology, literature, and economics. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

INI100H1 - The City Where Movies Are Made

Hours: 36S

In this course, first-year students will be introduced to film culture in Toronto from a variety of angles, including: a history of the city onscreen (both as itself and as a popular shooting location for American productions); an account of major Toronto filmmaking sites and institutions; introductions to local directors and producers; and overviews of contemporary local film festival culture (TIFF and beyond) as well as the city's film-critical community. Through a combination of lectures, screenings, field trips and special guest speakers, the students will be moved to consider both the vitality of Toronto's film scene as well as its connections to other aspects of the city. Not eligible for CR/NCR option.

Prerequisite: Admission to Innis One

Exclusion: Munk One, New One, St. Mike's One, Trinity One, Vic One, UC One, Woodsworth One

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

INI101H1 - Blogging the Just City

Hours: 36S

An introduction to the concept of the city as a creative environment promoting not only growth and wealth but also social justice, equality, cooperation, and civility. Students will learn to build their own blog to help them to observe, interpret, and reflect upon the process of urban interaction and the relationship between creativity and justice. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Innis One

Exclusion: Munk One, New One, St. Mike's One, Trinity One, Vic One, UC One, Woodsworth One

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

INI102H1 - Telling the Stories of the City: Writing Creative Non-Fiction

Hours: 36S

An introduction to creative writing techniques and the personal essay form through which students will explore and develop their conscious connection to the natural-urban landscape. The course will include activities such as field trips, readings, interviews, and journaling to generate the material for personal essays on engagement with nature in the city. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Innis One

Exclusion: Munk One, New One, St. Mike's One, Trinity One, Vic One, UC One, Woodsworth One

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

IRE199H1 - Why We Work: Understanding Work Through the Prism of Art & Culture

Hours: 24S

Why do we work? What does work mean to the average person? These questions are not as straightforward as they appear. We work for the bulk of our lives and most of our days are spent with coworkers who are neither family nor our closest friends, but we often fail to realize how self-defining work really is. This speaks to work's centrality but also to its invisibility in reflective discourse. However, through "popular" representations of work (e.g., such as in story-telling, cave drawings, hieroglyphs, music, writing, painting, television, film, video games, etc.,) we can begin to better understand the meaning of work and how this has changed over time. Readings in anthropology, history, economics, sociology and employment relations plus film and art criticism will help us explore these questions from an interdisciplinary perspective; assignments will encourage students to reflect on their own experience of work. Developing strong analytical and communication skills is an important goal of the course. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

INI106H1 - Writing Literary Journalism: Telling the Stories of the City

Hours: 36S

An introduction to literary journalism, in which students study the craft of storytelling along with interviewing, reporting, and the journalist's ethical stance. Guest speakers, field trips, writing activities and course readings will help students engage deeply with their environment and develop the skills and sensitivity required for literary reporting. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Innis One

Exclusion: Munk One, New One, St. Mike's One, Trinity One, Vic One, UC One, Woodsworth One

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA196H1 - Image and Text in Medieval and Renaissance Italian Culture

Hours: 24L

The course will explore various aspect of the interaction between literature and the visual arts in Italy from the Middle Ages to the end of the Renaissance. The focus will be on the intersection between the literary and visual modes of perception in the works of representative Italian authors from the Fourteenth to the Sixteenth Centuries. Restricted to newly-admitted first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

INI196H1 - Hoboes, Geniuses and Immigrants: Otherness in Contemporary Culture

Hours: 24L

Hoboes, geniuses, and immigrants all share a sense of Otherness in terms of their identity because they are different from the norm. This course analyzes the factors that create the sense of Otherness in an individual. Can Otherness be chosen as an identity or is it imposed by society? What conditions make Otherness a positive or negative experience? What is the distinction between difference and Otherness? Instances of Otherness both negative and positive are analyzed in contemporary novels and films. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA197H1 - The Fine Art of Murder: Reading Detective Fiction

Hours: 24L

Since its inception in the Nineteenth century, detective fiction has been one of the most popular literary genres, proving adept at both entertaining and shining a critical light on social and political problems. This course will explore the many faces of detective fiction addressing questions such as: Why does crime hold such a fascination for modern audiences? What kind of pleasure do we derive from reading stories that often follow established conventions and rules? What do these novels about crime and punishment tell us about broader social and political issues? Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

LIN195H1 - Babel: Language in the Mind of Speakers

Hours: 24L

What is the relation between language and thought? In this course we examine how language is represented in our minds, and how language and cognitive processes interact. While the link between words and meanings is arbitrary and reflects culture, language is considered to be a universal property of our species. We will examine the place of language in the architecture of the mind; the debates about the universality of language structure vs. linguistic relativism; and how language and thought interact in children's development. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

ITA198H1 - Machiavelli and Machiavellianism

Hours: 24L

An examination of Machiavelli's political doctrine in *The Prince* and the development of his ideas in politics, ethics and the arts. Special attention will be paid to the enduring relevance of his legacy in the modern world. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: VIC142H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

LIN196H1 - Language and Communication

Hours: 24L

We will explore the ways in which information is communicated in conversation. We will consider systematic ways in which what a speaker intends to communicate with language goes beyond what one says in conversation. The goal of the course is to investigate the ways in which speakers rely on knowledge of language and implicit "rules" to enrich and transform the literal content of someone's utterance.

Students will familiarize themselves with some fundamental concepts in linguistic semantics and pragmatics. They will develop analytic skills necessary to analyze a text in an academic context and beyond. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

ITA199H1 - The Church in Italian Culture

Hours: 24L

The course will explore the role of the Church in the history of Italian culture, including the literary, visual and performative arts. Special attention will be paid to its important functions in different periods of the history of Italy. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

LIN197H1 - Language and Social Justice

Hours: 24L

This course explores how language is used to construct and reinforce unjust social structures. Topics may include: the underlying sexism, classism, racism, and ableism of prestige dialects and prescriptive language education; the history and consequences of national language movements; language endangerment, documentation, and revival; sign languages and language rights for the deaf and hard-of-hearing; popular media representations of linguistic variation, especially vocal fry, uptalk, and regional accents; and the relationships between language and sex, gender identity, and sexuality.

Students will develop research, analytic, and writing skills through critique and discussion of assigned texts, independent research projects, and regular written and oral presentation of their work. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN198H1 - Language Diversity

Hours: 24L

There are estimated to be about 7000 languages currently spoken in the world. What do they have in common? In what ways are they different? This course will explore these questions, covering such topics as meaning, sound systems, the structure of words, the order of words in sentences, question formation, concepts such as subject and object, tense systems, pronoun systems. We will also discuss language loss and revival. Students will develop analytic skills as they consult published grammars and other resources to address these issues. Students will share their findings through oral and written presentation. Examples will be drawn from a wide range of languages. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN199H1 - Exploring Heritage Languages

Hours: 24L

We will explore how speakers use Heritage Languages in Toronto, using data recently collected in the GTA, so students should be familiar with one of these languages. We will collect, organize and interpret information about heritage languages in Toronto. We will look for speech patterns that differentiate first, second and third generation speakers in Toronto from corresponding speakers in their countries of origin, and look at the effects of cultural and language attitudes and usage.

Students will develop analytic skills as they explore a range of research methods and resources to address these issues. Students will share their findings through oral and written presentation, including online formats. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

MAT193H1 - Math and Magic

Hours: 24S

In this course we will look at magic tricks! Not just any magic tricks, but ones that involve only Mathematics and maybe a flair for the presentation. Some magic tricks involve only elementary Mathematics, others involve very deep Mathematics. In the discussions, we will talk about the tricks and the Mathematics behind them. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: High school level algebra.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT198H1 - Cryptology: The Mathematics of Secrecy and Security

Hours: 24S

How do we send our own confidential information through secure channels, and how can we break codes to uncover the secret information of our adversaries? The mathematical field of cryptology is dedicated to answering such questions. In this course we will study breakthroughs in cryptology, from secret messages in the ancient world and the Enigma cipher in World War II, to modern cryptosystems that facilitate online commerce. Along the way, you will develop a sophisticated understanding of how numbers interact and develop the ability to communicate messages secretly and mathematics clearly. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: High school level algebra.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MUN101H1 - Global Innovation I: Issues and Perspectives

Hours: 24L

Innovation has always been a key driver of economic growth, population health, and societal success. Transformative change has historically been linked to major innovations such as urban sanitation, pasteurization, the printing press and the industrial revolution. Currently, the opportunity to enhance life chances worldwide relies on innovating for the poor, social innovation, and the ability to harness scientific and technological knowledge. What precisely is innovation? When does innovation happen? Who benefits from innovation? How can innovation be fostered, and how do innovations spread? Relying on major global transformations and country-specific case studies (for example, South Korea, Taiwan, Israel and India), this course examines the drivers of innovation, the political, social, economic, and scientific and technological factors that are critical to promoting innovation and addressing current global challenges, and the consequences of innovation. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Munk One

Exclusion: Innis One, New One, St. Mike's One, Trinity One, UC One, Vic One, Woodsworth One

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

MAT199H1 - Puzzles, Mind, and Math

Hours: 24S

The course is offered in a seminar/workshop format. Each week students solve puzzles, and develop initial and essential intuitions for the fundamental ideas of each puzzle. Then in the lectures and through the reading materials, the mathematical foundations of each puzzle are studied. Students learn to apply mathematical techniques to strengthen and generalize the puzzles, and to enrich their initial problem solving intuitions.

Topics covered include mathematics of numbers, counting, base and modular arithmetic, geometry and geometric constructions, graph theory, games, decision theory, logic puzzles, and recursion. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: High school level algebra

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MUN102H1 - Global Innovation II: Challenges and Solutions

Hours: 24L

Governing public goods has been an age-old concern for social scientists and policymakers alike. This is not surprising since the provision of global public goods is riddled by problems of collective action. In this course, we focus on how to implement solutions through states, markets and communities.

The first objective is to familiarize students with the concept of global public goods, the different mechanisms that can provide these goods and the challenges that emerge from lacking incentives to secure their provision. To this end, the course will introduce theories from sociology, political science, philosophy, and history to help us understand different types of governance mechanisms and how they may be used to scale global solutions. Theories can help us explain the tensions between cooperating for the public good at the expense of sacrificing individual goals, or why certain areas of our lives, like the Internet, seem to produce public goods without any formal mechanism of cooperation.

The second objective is to use the class and subject of study as an arena to model and practice the kind of learning that is expected of university students. The main skills that the course will help students target and develop are: research (finding, evaluating and assimilating reliable information); writing (developing ideas into logically written arguments); and critical analysis of arguments presented in the readings and debated in class (this includes identifying the key assumptions that are implicit in different theories as well as inherent in our own positions on various questions related to governance). Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Munk One

Exclusion: Innis One, New One, St. Mike's One, Trinity One, UC One, Vic One, Woodsworth One

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

MUN105Y1 - Global Problem-Solving: Laboratory Opportunities

Hours: 48L

This course teaches students how to conduct analytically rigorous social science research to improve their insights into complex global problems and devise innovative solutions to address them. A unique feature of this class is that students have the opportunity to learn by doing. Students work hands-on in one of several labs dealing with some of the most intractable global problems of our time in the areas of the environment, health, digital governance, security and the gap between rich and poor. By the end of this course students will be able to:

1. Experience and practice the process of social science research
2. **Narrow** the scope of a complex global challenge into a manageable research problem that can be tackled over the course of the semester
3. Improve their knowledge and **insights** on a particular global problem
4. Develop a viable, compelling and implementable **solution** that can help address an aspect of a global problem
5. **Pitch** a solution in a compelling way to a jury of experts in global affairs

Students will work with their peers in small seminar classes and lab group settings, mentored by graduate teaching assistants specializing in global affairs, expert faculty and senior policy advisors dedicated to addressing global issues in the fields of the environment, health, security, digital governance and political economy. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Munk One

Exclusion: Exclusion: Innis One, New One, St. Mike's One, Trinity One, UC One, Vic One, Woodsworth One

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW101H1 - The Everyday Politics of Food

Hours: 12L/24S

How often do we reflect on the environmental, social and economic impact of our everyday food choices? This course offers an introduction to the key concepts, terms and theories that underlie our current food system. The course links the food we eat to global forces and considers how these forces affect food distribution, access and consumption. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: Admission to New One

Exclusion: INI/Munk/SMC/TRN/UNI/VIC/WDW One; NEW102H1/ NEW103H1/ NEW104H1/ NEW105H1/ NEW106H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW102H1 - Exploring Multilingual Toronto

Hours: 12L/24S

How does language connect and divide people, places and communities? This course considers how interactions between people in Toronto are shaped by language as well as history, economy, architecture and urban landscapes. Students engage with the city both in and out of class to think about a range of questions linked to gender and sexuality, indigeneity, migration, race, ethnicity, and public/private space. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: Admission to New One

Exclusion: INI/Munk/SMC/TRN/UNI/VIC/WDW One; NEW101H1/ NEW103H1/ NEW104H1/ NEW105H1/ NEW106H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

NEW105H1 - Current Issues Without Borders

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Hours: 12L/24S

This interdisciplinary course addresses a current issue that exemplifies the themes of "Learning Without Borders" in New One. It investigates how this issue is implicated in connecting us with others around the globe; it engages different kinds of knowledge and community perspectives; and integrates students' own experience as related to the issue. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: Admission into New One

Exclusion: INI/Munk/SMC/TRN/UNI/VIC/WDW One; NEW101H1/ NEW102H1/ NEW103H1/ NEW104H1/ NEW106H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW103H1 - Digital Technology and Society

Hours: 12L/24S

While the internet and other forms of digital technology have created new forms of social relationships and widened access to information, they have also raised concerns. This course explores issues such as surveillance, addiction and bullying as well as the potential of digital technologies (e.g. smart cities, Big Data, and the internet of things). The course engages students' own experience of digital technology. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: Admission to New One

Exclusion: INI/Munk/SMC/TRN/UNI/VIC/WDW One; NEW101H1/ NEW102H1/ NEW104H1/ NEW105H1/ NEW106H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW106H1 - Science, Health and Social Justice

Hours: 12L/24S

How can scientific knowledge and research be mobilized to impact individual and global health? How is health impacted by social, racial and economic inequalities? This course explores scientific research and practice with special attention to the translation of scientific knowledge in the public sphere, and its ability to inform policies, practices and laws. Students have the opportunity to meet with clinician-scientists, policy-makers, and other professionals connected to the health care system. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: Admission to New One

Exclusion: INI, SMC, TRI, UC, VIC, WDW One, Munk One; NEW101H1/ NEW102H1/ NEW103H1/ NEW104H1/ NEW105H1

Recommended Preparation: None

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW104H1 - Creating Community: Art, Identity and Belonging

Hours: 12L/24S

How is art implicated in the process of community building? How does art foster a sense of community identity and belonging? This course explores how communities, in Toronto and beyond, engage a variety of art forms including graffiti, spoken-word, hip-hop, digital art, traditional dance and music to connect people and express community identity. Students will have the opportunity to visit community arts projects. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: Admission to New One

Exclusion: INI/Munk/SMC/TRN/UNI/VIC/WDW One; NEW101H1/ NEW102H1/ NEW103H1/ NEW105H1/ NEW106H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NEW111H1 - Food, Ethics and Sustainability

Hours: 12L/24S

How do we produce and ensure access to nutritious and environmentally sustainable food for all? This course explores what is involved in achieving ethical food production and food security, examining topics such as: the paradox of food waste amidst scarcity, the relationship between food production and climate change, community-led alternatives to dominant food systems, and the role of biotechnology. Research projects allow students to focus on an issue of particular interest. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: NEW101H1/ NEW102H1/ NEW103H1/ NEW104H1/ NEW105H1/ NEW106H1/Permission of the New One Coordinator

Exclusion: INI/Munk/SMC/TRN/UNI/VIC/WDW One; NEW112H1/ NEW113H1/ NEW114H1/ NEW115H1/ NEW116H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW113H1 - Unpacking Digital Technology

Hours: 12L/24S

What are the social and material implications of the digital technologies we use every day - for the present and for the future? This course explores how digital technologies have been remaking the world and affecting our lives by tracing their historical development, their social effects, and the impact of their physical presence. It also peers into scenarios of the future in this digital world. Students engage in research on a topic of their own interest. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: NEW101H1/ NEW102H1/ NEW103H1/ NEW104H1/ NEW105H1/ NEW106H1/Permission of the New One Coordinator

Exclusion: INI/Munk/SMC/TRN/UNI/VIC/WDW One; NEW111H1/ NEW112H1/ NEW114H1/ NEW115H1/ NEW116H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW114H1 - Art for Social Change

Hours: 12L/24S

How does art contribute to social change? Artistic productions can draw attention to social problems, mobilize support for and symbolize social movements, and inspire new visions for imagined futures. This course will explore case studies of the role of various art forms in relation to past and current social change initiatives. Students will have the opportunity to engage in research on an art project of their choice. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: NEW101H1/ NEW102H1/ NEW103H1/ NEW104H1/ NEW105H1/ NEW106H1/Permission of the New One Coordinator

Exclusion: INI/Munk/SMC/TRN/UNI/VIC/WDW One; NEW111H1/ NEW112H1/ NEW113H1/ NEW115H1/ NEW116H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NEW115H1 - Current Issues Without Borders II

Hours: 12L/24S

Building on the integrated learning from any New One course, this course explores, in more depth, the social and ethical implications of a current issue exemplifying the themes of "Learning without Borders." Normally, this course would address the same current issues as offered in NEW105H1 in the preceding term. The course also considers examples of policy and community organizing responses. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: NEW101H1/ NEW102H1/ NEW103H1/ NEW104H1/ NEW105H1/ NEW106H1/Permission of the New One Coordinator

Exclusion: INI/Munk/SMC/TRN/UNI/VIC/WDW One; NEW111H1/ NEW112H1/ NEW113H1/ NEW114H1/ NEW116H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW116H1 - Science and Global Threats**Hours:** 12L/24S

What is the role of science in addressing current global threats? What are the possibilities and the limitations of scientific research and knowledge in tackling complex problems such as climate change, pandemics and pollution? In this course, students explore these questions by examining case studies, meeting with specialists in various scientific fields, and engaging in research on a topic of their own choice. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: NEW101H1/ NEW102H1/ NEW103H1/ NEW104H1/ NEW105H1/ NEW106H1, or permission of the New One Coordinator

Exclusion:INI, SMC, TRI, UC, VIC, WDW One, Munk One; NEW111H1/ NEW112H1/ NEW113H1/ NEW114H1/ NEW115H1

Recommended Preparation: None

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NMC196H1 - Law and Order in the Ancient Near East**Hours:** 24S

Are human beings basically evil or good? What creates order in society? Coercion? Religion? Can societies operate without law? This course explores different systems of authority and control through ancient texts, focusing on the very first ideas of law in human history. We examine actual law codes, court cases on real estate disputes and conspiracy to commit murder and rape, as well as alternative means of regulating communities such as ideology, ritual and magic. While most courses on ancient law approach the topic from the perspective of modern concerns, this course situates the first law in its own historical, social and political context. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NMC197H1 - Myth and History in the Bible**Hours:** 24S

Reading the Bible is easy, but reading it well isn't. Should we read its stories as history? All of it? Or perhaps only part of it? If so, which parts? And if some parts aren't meant to be read as history, then what are they? Was Jonah really swallowed by a large fish? Did the sun and moon stand still for Joshua? Did Moses really part the Red Sea? Did Jesus really raise Lazarus from the dead? Are miracles necessarily fiction? In this seminar, we will read together many of the most colourful stories of the Bible, sometimes alongside similar stories from the cultural context of ancient Israel, and discuss what genre (history, myth, legend, folktale) they belong to and how this affects our reading of these texts. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NEW198H1 - Myths of French Sensuality**Hours:** 24S

A study of French cultural history with respect to the French reputation for the indulgence and refinement of all the senses in visual arts, music, cuisine, perfume and fashion. Supporting mythologies are investigated, along with stereotype formation, exoticism and cultural appropriation. Through various research, writing and presentation techniques, including mini-essays, poster displays and pecha kucha, students will explore what is left of this reputation in an era of globalization. No knowledge of French is necessary. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NEW199H1 - We Are What We Eat: The Example of French Cuisine**Hours:** 24S

The historical study of French cuisine reveals a culture rich in controversy and conflicting narratives. These include contested origins, court intrigues, sensual delight, revolutions, colonialism and slavery, controversial farm practices, haute cuisine, cuisine bourgeoise, regionalism, European regulation. Through various research, writing and presentation techniques, including mini-essays, wikis and pecha kucha, students will explore what is left of French food culture in an era of globalization. No knowledge of French is necessary. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NMC198H1 - Iranian Women Reveal their Lives: the First Generation

Hours: 24S

The narrative of women speaking out begins in Iran in the first decades of the 20th century. In this course, we will look at an early generation of educated Iranian females who although from varied backgrounds have a common desire to make their lives public. We will refer to a mix of sources including memoirs, interviews and poems to explore how feminist aspirations are repressed or expressed in a society dominated by patriarchal values. We will analyse how a woman's childhood experience affects her personal expectations for the future and whether the cultural environment restricted this generation or encouraged women to make a social contribution. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NMC199H1 - Babylon: Fact vs. Fiction

Hours: 24S

The ancient city of Babylon, now a vast archaeological site in Iraq about 100km south of Baghdad, has captured people's imagination up to this day. Who has not heard of the Hanging Gardens of Babylon, the Biblical Tower of Babel, or the sci-fi TV series Babylon 5? Yet, how much of that reflects the reality of ancient Babylon? This course will explore the city of Babylon through its texts and archaeology and contrast this data with the way the city has been remembered over the past two thousand years. However, the goal of the course is not only to investigate how myths about Babylon have been constructed throughout the centuries. It will also look at the shortcomings of contemporary academic research on Babylon, and how difficult it is to reconstruct humankind's distant past. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

PHL196H1 - Multiculturalism, Philosophy and Film

Hours: 48S

This course will critically examine the role of cinema in the construction and exploration of the figure of the racial, ethnic, cultural and social "other". Our topics will include (1) racial, ethnic and cultural identity and its reciprocal relationship with cinema, (2) the notion of realism in relation to the representation of race and ethnicity in film, (3) the cinematic representation of inter-ethnic and intra-ethnic conflict, (4) the position of cinema in the debate between assimilation and multiculturalism, and (5) the ways in which cinema can help illuminate a cluster of relevant notions in political philosophy including citizenship, communitarianism, cosmopolitanism, and the relation between individual rights and group rights. Films will be screened in class and discussed against the background of focused critical readings. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

PHL197H1 - Introduction to Philosophical Anthropology

Hours: 24S

Philosophical anthropology is the subject that poses the most fundamental questions about human nature and the human condition. Taking as its point of departure the most up-to-date scientific understanding of human nature, from anthropology broadly conceived, it goes on to inquire, in a disciplined fashion, about the implications of these views for perennial philosophical questions about human rationality, morality, the possibility of progress, the existence of god and the meaning of life. This course will examine one or more topics in this domain, as a more general introduction to the discipline. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL198H1 - Philosophy of Time**Hours:** 24S

The passage of time is a fundamental aspect of human experience: we are born, we grow older, and eventually we pass away. During our lives our experience of the past, present, and future are distinct. We can influence the world in the present and the future, but it does not seem that we can influence the past. We have hopes about the future, memories of the past, and experiences of the present. In this seminar we will explore insights from contemporary philosophy and physics concerning the nature of the passage of time. Questions to be considered may include the following: What does it mean to say that time passes? Does time really pass at all? How do we experience time? Why can we influence the future but not the past? Is it possible to travel backward in time? Is time even real? What is time? Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**PHY197H1 - Modern Physics for the Curious****Hours:** 24S

Have you wondered about the origin and workings of the natural world around us? Have you found physical science interesting but inaccessible because it was too full of math and jargon? Have you felt a pull to become more science-literate? If so, this seminar course is for you -- or for anyone interested in understanding more about the universe, including our planet, seen through the lens of modern physics. Ideas on the menu will include: particle physics, space and time, relativity, black holes, quantum physics, unification forces, string theory, and big bang cosmology. The intriguing story of these integrated phenomena unfolds over a wide distance and a long time. Students from diverse academic backgrounds are warmly welcome. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: No prior experience with physical science will be required, but familiarity with Grade 10 mathematics will be assumed.**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**PHL199H1 - Trump, the Rule of Law and the Rise of Illiberal Democracy****Hours:** 24S

This seminar will examine the important idea in our culture of the rule of law - the idea that there is a virtue to having what the state can do to its subjects governed by law. It will investigate concrete examples of what happens when the rule of law is put under stress, as is arguably the case under the Trump administration. It will also examine the way in which these developments are related to the rise of what gets called 'illiberal democracy', a notion celebrated by Victor Orban in Hungary, and by other Central and Eastern European politicians. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)**PHY198H1 - Physics at the Cutting Edge****Previous Course Number:** PHY289H1**Hours:** 24L/12S

A limited enrollment seminar course for First Year Science students interested in current research in Physics. Students will meet active researchers studying the universe from the centre of the earth to the edge of the cosmos. Topics may range from string theory to experimental biological physics, from climate change to quantum computing, from superconductivity to earthquakes. The course may involve both individual and group work, essays and oral presentations. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: PHY151H1**Corequisite:** PHY152H1, MAT137Y1/ MAT157Y1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**PHY196H1 - Emergence in Nature****Hours:** 24S

The universe is not a rigid clockwork, but neither is it formless and random. Instead, it is filled with highly organized, evolved structures that have somehow emerged from simple rules of physics. Examples range from the structure of galaxies to the pattern of ripples on windblown sand, to biological and even social processes. These phenomena exist in spite of the universal tendency towards disorder. How is this possible? Self-organization challenges the usual reductionistic scientific method, and begs the question of whether we can ever really understand or predict truly complex systems. Restricted to first-year students. Not eligible for CR/NCR.

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY199H1 - Dark Matter and Dark Energy are the New Black

Hours: 48S

It is now 90 years since astronomers found the first evidence for a form of matter that wasn't part of the stars in our galaxies, but rather is "dark" and has a gravitational attraction to ordinary matter. Other lines of evidence lead us to believe that there is six times more dark matter than the ordinary matter we are familiar with. Despite this, we have no credible, direct evidence for what this dark matter might be. It is one of the biggest puzzles in particle physics and cosmology. In the last decade, we have also discovered that something else is going on – the universe appears to be filled with "dark energy" that causes the expansion of our universe to speed up instead of slowdown. We will discuss what we know about the hypotheses of dark matter and dark energy, and the debates about what might really be going on. Are we seeing science in crisis, with a revolution just around the corner, or is this just the "normal science" talked about by Kuhn and other philosophers of science? Participants will be expected to participate in seminar-style discussions, as well as take the lead on at least one topic of discussion. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY199Y1 - Dark Matter and Dark Energy are the New Black

Hours: 48S

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Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

POL196H1 - The China Challenge

Hours: 24S

China's meteoric rise to great power status has triggered an intense international debate over its global implications. While many analysts see Beijing's rise as posing a threat to global political and economic stability, Chinese leaders have argued forcefully that China's efforts to regain its historic preeminence will result in a 'win-win' outcome for all states. This course will assess the merits of these contending positions through an historical examination of China's 20th century renaissance. The course will begin by tracing the long period of imperial decline in the 19th century, culminating in China's revolutionary rebirth as a Marxist state in 1949. A major focus will be on the Mao-era legacy of revolutionary diplomacy and the foreign policy consequences of its later transformation into a market-authoritarian powerhouse. Restricted to first-year students. Not available for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL197H1 - Solidarity in Diverse Societies

Hours: 24S

Liberal democracies in the "populist" age are increasingly defined by polarization, and many observers fear that liberal democracies are having trouble accommodating diversity and protecting the rule of law and the integrity of their elections. This course will explore how these societies can better accommodate diversity and preserve liberal democracy. It will consider patriotism and nationalism, as well as arguments that seek to empower citizens with the techniques of "political friendship" required to manage difference and disagreement. The course will also consider critical arguments, that solidarity can only be attained by juxtaposing the political community against an "enemy." Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

POL198Y1 - Social Justice and the City

Hours: 48S

Who benefits and who loses from urban transformation? This course is an introduction to the concept of social justice from an urban perspective. It will highlight how unequal relations of race, class, gender, sexuality, and ability operate through the urban environment, and how these conditions can be contested through political mobilization. A variety of cases from cities around the world are used to explore issues related to segregation, gentrification, policing, migration, and access to public spaces and services. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL199Y1 - Utopias and Dystopias**Hours:** 24T/4S

This course explores alternative visions of good and bad social, economic and political orders. Students are expected to think about how work, income, and power should be allocated, what social norms regarding gender and sexuality should prevail, how children should be raised and educated, and so on. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science**Breadth Requirements:** Society and its Institutions (3); Thought, Belief and Behaviour (2)**PSL190H1 - Biomedical Research at the Cutting Edge****Hours:** 24L/6S

Explore the thought processes, logic, motivation, techniques, analysis and impact of recent high-profile publications to gain insight into the enterprise of science. Outstanding scientists present recent high-impact papers, and students will examine the research in depth, focusing on the underlying questions, experimental approach, results and significance. Restricted to first-year students. Not available for CR/NCR option.

Prerequisite: SBI4U and SCH4U (Grade 12 University Preparation Biology and Chemistry); permission of Department**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**PSY196H1 - Critical Periods, Brain Plasticity and Development****Hours:** 24S

This course will ask how changes in the developing brain can influence our understanding of how humans learn. To answer this question, we will learn about how the brain changes and about how learning changes. We will dig into brain plasticity and ask how this influences "critical" or "sensitive" periods for learning: a phenomenon whereby learning can only take place during a particular time in an organism's life. We will explore learning in a number of different ways including learning in sensory and motor systems and the development of multiple aspects of learning and memory. In all cases, we will ask how changes in the developing brain impact learning outcomes. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science**Breadth Requirements:** Living Things and Their Environment (4)**PSY197H1 - The Individual and Society****Hours:** 24S

How does one develop a sense of individuality? Can individual will and freedom be reconciled with the interests of society? Are we determined by society or culture or do we, in some important sense, determine our own behaviour and futures? In this course, we will use classic and contemporary readings from psychology, sociology, anthropology, philosophy, and law to explore general characterizations of the individual and society. Basic questions will be examined in light of these characterizations such as: Is there a universal human nature? Who is a "person"?; and What is the ideal society? We will examine these questions in light of various social issues, such as debates about multiculturalism and democracy, whether children have rights to freedom of speech, and women's equality in society. Throughout the course, the emphasis will be on the different views of the person underlying and informing contrasting perspectives on important social questions. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science**Breadth Requirements:** Thought, Belief and Behaviour (2)**PSY198H1 - The Psychology of Magic****Hours:** 24S

Magicians entertain us with their tricks. What appears as "Magic" is based on fundamental aspects of human psychology: visual and auditory perception, decision making, logic, memory, and verbal abilities. In this class, we will consider and discuss the psychological basis of magic tricks and use magic to explore aspects of psychology. The class will require reading of scientific articles and book chapters as well as watching and analyzing magical tricks. The only prerequisite is a curious and critical mind. The course puts great emphasis on writing and on starting to read primary scientific literature. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science**Breadth Requirements:** Thought, Belief and Behaviour (2)**PSY199H1 - Psychology and History of Drug Use****Hours:** 24S

This seminar will examine the historical and contemporary use of drugs. Students will be introduced to the general psychological and neuroscientific mechanisms by which drugs affect human behavior, and explore highlights of current research on drug effects in animals and humans. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science**Breadth Requirements:** Thought, Belief and Behaviour (2)

RLG197H1 - Enchantment, Disenchantment, Re-Enchantment

Hours: 24L

Modernity is associated with disenchantment, secularisation and progress, and has traditionally been understood as the successor to the enchanted, spiritual, and transcendent worldviews of antiquity and the middle ages. Re-enchantment, a term increasingly encountered in popular and academic contexts alike, demonstrates nostalgia for an enchanted past, a discomfort with the modern narrative, and a desire to recover wonder. This course will examine the history of enchantment through a series of readings taken from literature, philosophy, theology, ranging from Plato to contemporary magical realism. Restricted to first-year students. Not available for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG198H1 - Dystopia: Religion & Gender in Science Fiction

Hours: 24L

This course will examine the “what ifs” and imagined worlds of ideal utopias and oppressive dystopias through the lens of religion and gender in Margaret Atwood’s *The Handmaid’s Tale* and Charlotte Perkins Gilman’s *Herland*. Because science fiction and utopian/dystopian literature expresses what an author sees as possible or hopes is possible, but also fears is possible, we will consider science fiction as a political and social critique. Themes to be covered include fundamentalism, totalitarianism, the relationship between technology and religion, religion and reproductive rights, and the potential relationship between religion, gender and oppression. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG199H1 - Religion for Grown-Ups?

Hours: 24L

Kant, the great modern philosopher, famously describes enlightenment as our release from self-incurred immaturity or minority. That is, according to Kant, we don’t want to grow up. Our immaturity is facilitated especially by religion, whose demands for deference to the authority of texts, traditions, and gods often prevent us from taking full responsibility for our thoughts and actions. But need religion play this role? Is there a religion for grown-ups? This course explores those questions by reading autobiographical accounts of philosophers who describe how their study of philosophy either strengthened or strangled their youthful religious convictions. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

SDS199H1 - Sexuality at the Intersections

Hours: 24L

This First-Year Foundations seminar will explore sexuality at the intersections of race, gender, class, disability, citizenship status, and geography, among other social relations and processes as a foundational practice in Sexual Diversity Studies. In an intimate seminar setting, students will develop reading, writing, and presentation skills necessary for engaging in Sexual Diversity Studies across a wide array of disciplinary traditions. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

SLA194H1 - Utopia Interrupted: Late and Post-Soviet Russian Literature

Hours: 24S

Almost 30 years after the collapse of the Soviet Union, what can we understand about its culture and people, and its impact on the popular imagination in the West? To answer these questions, the course introduces students to canonical literary and cinematic works from the post-Stalin era to the present, with particular attention to the literary and cultural peripheries. Some of the topics will include: Gulag, or Return of the Repressed, Counter-Culture, Space Race, Immigration, Gender, Perestroika, and Putin’s Russia. All readings in English. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA195H1 - Literature and Painting in Russia and the West

Hours: 24S

What makes literature ‘visible’? How do the verbal and the visual coexist? This seminar explores the relationship between words and images, texts and pictures through history, in Russia and the West. Special attention will be paid to the figure of the artist. Is it a writer’s *alter ego*, the incarnation of creativity, or just a character among others? Literary texts (mainly short stories) from Balzac and Gogol to Chekhov and O. Henry, Maugham and Bunin, Nabokov and Camus will be studied along with the paintings of some major 19th-20th century artists. The comparative dimension of the course will help students contextualize Russian literature and think about its relationship with the Western canon. We will also watch some 21st century films about artists (such as Julie Taymor’s *Frida* [2002], Milos Forman Goya’s *Ghosts* [2006], and Mike Leigh *Mr. Turner* [2014]). All texts will be in English. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA196H1 - Russia at War**Hours:** 24S

In its long history Russia has fought numerous wars, both defensive and offensive, and these wars have inspired a rich, complex, contradictory poetic response. We examine Russian war narratives starting with the medieval period and ending with the Second World War and including epic poetry, songs, stories, novels, paintings, and films. We will study the depiction of war and the image of the soldier (or warrior) in different genres and time periods, as well as the historical circumstances in which the different works were produced and the respective audiences for which they were intended. All texts will be in English. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA197H1 - The Imaginary Jew****Hours:** 24S

The course examines the genesis and evolution of the image of the Jew, central to all European cultures, from the theology and psychology of Christian anti-Judaism to their reflection in folklore, visual, plastic, and verbal arts, and to the survival of the imaginary Jew in secular forms. Special attention is given to the Jews of Slavic and East European imagination. All readings are in English. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA198H1 - The Slavic Grecian Formula:
From Ancient Rhapsode to Modern Slav Song****Hours:** 24S

Slav singers of heroic tales about war, lust, honour and revenge have made a special contribution to our appreciation of classical literature and mythology. We will compare Slavic epics and African-American rap songs to reveal the connection between Homer's *Iliad* and Nas's iconic *Illmatic*, between the mythical image of the pagan goddess Aphrodite and the mystique of Nicki Minaj, Lauryn Hill, and other iconic singers today. As we read *The Iliad* closely, we will study songs from the Russian, Bosnian Muslim, Croatian and Serbian traditions. Employing new performance formulaic theory, we will learn that they share much, in melody and message, with the work of today's hip-hop artists, whose roots of rap "flowing" reach back to the beginnings of Western literature and the epic singers of ancient Greece. Students will have the opportunity to interact with a unique online multimedia edition of an epic song by a traditional Slavic singer.

No knowledge of languages other than English is required. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA199H1 - Re-imagining Central Europe:
Imaginary Galicia****Hours:** 24S

Galicia was an invented province of Austria-Hungary, created at the first partition of Poland in 1772. From the moment of its creation, it stimulated a very wide range of literary representations. As if to mirror its invented political status, the Galicia that appears in fiction is a world of fantastic wonders, strange delights, and ferocious terrors. Whether in Austrian, Jewish, Polish, or Ukrainian national imaginations, Galicia is a place with a uniquely hybrid culture. We explore this imaginary place through the writings of Ivan Franko, Joseph Roth, Stanislaw Lem, Bruno Shultz, Leopold Von Sacher-Masoch, Andrzej Stasiuk and other authors from a variety of traditions.

The course focuses on the cultural understanding of geography with a specific focus on a place where a variety of national cultures interact.

A number of short assignments offer students an opportunity to develop and polish their writing skills. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

SMC155H1 - SMC One: The McLuhan Seminar in Creativity and Technology

Hours: 12L/12S

This seminar is an interdisciplinary exploration of the relationship between creativity and technology. Inspired by the innovative thinking of Marshall McLuhan, it explores how the humanities relate to other fields of thought and research in addressing the individual, social and cultural experiences and effects of technological innovation. This course includes a mandatory travel component opportunity to Silicon Valley, California, the costs of which, including transportation, room and board, are covered by the University of St. Michael's College. Restricted to first-year students. Not eligible for CR/NCR option. (A fee of up to \$1000 will apply for travel costs.)

Prerequisite: Admission to SMC One

Exclusion: Innis One, Munk One, New One, Trinity One, Vic One, UC One, Woodsworth One, SMC155H1, SMC188H1, SMC189H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SMC165H1 - SMC One: The Boyle Seminar in Scripts and Stories

Hours: 24L/12S

This seminar introduces students to university-level studies through an interdisciplinary exploration of Celtic influences in the mediaeval world, with a particular focus on early books and historical artifacts as physical objects and bearers of meaning. Students will learn how to read and analyse these books and artifacts to decode their meanings, and, in support of that, take introductory language instruction in Latin or Irish. Subjects discussed will include intercultural encounter and dialogue, research methods with historical sources, and the relationship between the written word and lived experience, then and now. There is a co-curricular travel opportunity to Dublin, Ireland associated with this course which is strongly recommended. The costs of this travel opportunity are covered by the University of St. Michael's College. Restricted to first-year students. Not eligible for CR/NCR option. (A fee of up to \$1000 will apply for travel costs.)

Prerequisite: Admission to SMC One

Exclusion: Innis One, Munk One, New One, Trinity One, Vic One, UC One, Woodsworth One, SMC155H1, SMC188H1, SMC189H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SMC188H1 - SMC One: The Gilson Seminar in Faith and Ideas

Previous Course Number: SMC188Y1

Hours: 12L/12S

This seminar is an interdisciplinary exploration of leading scholarly, intellectual and public questions related to ecology, science, literature, and public life. From a variety of perspectives, the seminar considers how religion, and how different kinds of religious experience, figure in the broader context of human affairs. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to SMC One

Exclusion: Innis One, Munk One, New One, Trinity One, Vic One, UC One, Woodsworth One, SMC155H1, SMC165H1, SMC188Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

SMC189H1 - SMC One: The Gilson Seminar in Faith and Rome

Previous Course Number: SMC188Y1

Hours: 24L

This course provides an intensive international learning experience in Rome, Italy. It offers contemporary and historical models of integrating faith with reason, and religious practice with intellectual, creative, and public engagement, specifically the roles that the Catholic Church and Vatican play in Rome, in ecology, science, literature, and public life. This course includes a mandatory travel component to Rome, Italy, the costs of which, including transportation, room and board, are covered by the University of St. Michael's College. Restricted to first-year students. Not eligible for CR/NCR option. (A fee of up to \$2000 will apply for travel costs.)

Prerequisite: SMC188H1

Exclusion: Innis One, Munk One, New One, Trinity One, Vic One, UC One, Woodsworth One, SMC155H1, SMC165H1, SMC188Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SMC195H1 - God and Money in the Middle Ages

Hours: 24S

This seminar considers the ethical, political, and spiritual questions arising from the existence of wealth and poverty in medieval European culture. With readings from Dante, Chaucer, Thomas Aquinas and others, the course will examine how the interaction of spiritual ideals and material realities shaped cultural developments from late antiquity to the Protestant Reformation. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Other first-year foundations or College Ones courses

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

SMC196H1 - Beauty, Human and Divine**Hours:** 24S

What is beauty? A quality of fragile things? Or a manifestation of something transcendent? Is beauty human, divine—or both? This seminar will take up these questions by exploring the great works—and intense debates—inspired by the encounter between Christianity and beauty. We will consider the tensions and paradoxes that arise when artists work with religious subject matter, how Christianity's central claims expand conventional aesthetics categories, and how secular artists respond to these expressions and developments. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Other first year foundations or College Ones courses**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SMC198H1 - How to Study Video Games****Hours:** 36S

Games and play are a fundamental part of human society, and today digital games occupy a central place in popular culture, media industries, and the imaginations of players around the world. This seminar introduces students to the growing academic field of game studies, with an emphasis on close analysis of specific games as cultural objects. Through lectures, discussions, and in-class play sessions, students will build a critical vocabulary and toolbox of techniques for understanding the unique formal, aesthetic, narrative, and thematic properties of games in a variety of platforms and genres, and develop basic academic reading, writing, and research skills. No previous experience or expertise with video games is required to take this course. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Other first year foundations or College Ones courses**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SMC197H1 - The Sistine Chapel: History, Imagery, Usage****Hours:** 24S

The Sistine Chapel in Rome is a historical artifact, an artistic monument, and a house of worship—at once recognizable and mystifying. This seminar explores fifteenth-century origins, decoration by some of the most accomplished artists of the Italian renaissance, and continuing use (especially the election of popes). Topics will include: art and patronage, rhetoric and ritual, controversial restoration, and the Sistine Chapel in popular culture—with an emphasis on the close analysis of the major frescoes. The seminar will develop the academic skills needed for the analysis and discussion of texts, paintings, and ritual events. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Other first year foundations or College Ones courses**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SMC199H1 - Intelligence, Artificial and Human****Hours:** 24S

What is human intelligence? How close are we to replicating it? How productive/reductive is the brain-computer analogy? What ethical challenges are posed by AI on workers, society, and the environment? Can we put a hold on "progress"? Is Silicon Valley the seat of a new techno-religion? What can they teach us about today's research priorities? What insight (or inspiration) can we get from works of science fiction about the future of human-AI interaction? Through reading discussion, written assignment, and workshops, this seminar will present students with the opportunity to integrate their computer science interests with philosophy, history, and literature. *There is an equivalent course offered by the Department of Computer Science. Students may take one or the other but not both.* Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: CSC199H1, other first year foundations or College Ones courses**Distribution Requirements:** Science**Breadth Requirements:** Society and its Institutions (3)

SOC197H1 - Future “Agents” & Social Relations: Considering Sociology in a World of Robots, Cyborgs, Bioengineered Agents & Tools

Previous Course Number: SII199H1S-L0391

Hours: 24L

Some people are worried that we risk becoming less human if we allow ourselves or others to engage in widespread self-transformation through the insertion of some kinds of devices into human bodies (e.g., computers, becoming cyborgs) or as a result of interventions such as genetic engineering, etc. Others are concerned that the use of some technologies, or barriers to their use, will increase global inequalities. In this course we will read, talk, and write about these and related issues. We will take a sociological approach, which means that we will attend to contextual forces that shape practices, and material flows, and the meaning of objects. Students will present their final paper in class. Restricted to first-year students. Not available for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC198H1 - The Social Networks of Students

Hours: 24L

This course is a First-Year Foundation Seminar and provides an opportunity for exploration of different topics and themes. Social networks are the webs of connections between people, the mesh that weaves people into communities and societies. In this course, you will learn about social networks by examining the ones around you: what do student's social networks look like? How do they change from high school, to university, and beyond? You will learn, first hand, how researchers study social networks, and how we work to understand their association with important outcomes like academic achievement, graduation, job-finding, and more. Restricted to first-year students. Not available for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC199Y1 - How We Use Time in Everyday Life

Hours: 48S

This seminar examines how people use time in their everyday lives: the content, the interpersonal and structural circumstances, and the implications. The seminar will include an examination of seminal writings about people's use of time and hands-on practice in the strategies and techniques of analyzing available data, including the formulation of questions and approaches to answering them. Students will acquire an appreciation not only of the concept of time and how it helps explain important issues in the social sciences but also of how they use time in their daily lives and how time-use analysis can help them better understand many situations. Several skills will be developed in this seminar, including reading, writing, expressing points of view, and asking and answering research questions by using numerical data and computers to organize, analyze, and show results clearly. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SPA196H1 - Class and Work in the Americas

Hours: 24L

This course examines economic and social inequalities in the contemporary Americas. We look at the ways in which class divisions are represented in academic studies, literature, film, and television. From Mexican *maquiladoras* to indigenous reservations, we consider the global poor and how recent changes in the character of work (automation, outsourcing, free trade zones) have had an impact on class divisions, especially for younger members of society. Can a renewed understanding of class and work help us to negotiate power, privilege, and inequality in this century? Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA197H1 - War and Empire in the Hispanic World

Hours: 24L

Spain built up a world empire in the sixteenth century, by unifying its monarchy in the Iberian peninsula and Europe and conquering territories in the New World. Writers and thinkers recorded the progress of this empire with praise, but they also commented on ethical issues related to rule over other peoples and the impact of armed violence on the lives of soldiers and civilians. We will study these questions by reading important Spanish texts that describe the conduct and impact of wars of conquest and of civil unrest. Through a focus on writings that deal with warfare, this course offers an introduction to an important period in European history. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

SPA198H1 - A Brief History of Love in the Western World

Hours: 24L

This course introduces students to the ways in which the foremost thinkers in the history of the Western world (Plato, Ovid, St. Augustine, Ficino, Ebreo) conceived the idea of love; how did the notions of sexuality and gender play into that idea, and how did these notions carry on – or not – into our present understanding of love, sexuality and gender. While the background readings pertain to the general Western cultural heritage, the literary texts through which we will observe particular applications of the theories of love were produced by some of the outstanding 16th and 17th century Spanish authors (for ex. Rodríguez de Montalvo; Jorge de Montemayor; Miguel de Cervantes; Tirso de Molina, María de Zayas, Sor Juana Inés de la Cruz). All the readings will be in English. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

STA199H1 - Statistical Evidence: Truth or Myth?

Hours: 24S

This course explores the impact Statistics has made and continues to make on everyday life through science, law, and the modern methods for information processing. Statistical principles will be illustrated using examples from real life including business, romance and health. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

TRN125Y1 - Contemporary Issues in Health Science

Hours: 48S

Can the immune system be strengthened? Are some diseases incurable? What is the best way to stop the spread of a virus? This course examines the scientific principles underlying contemporary issues in the science of human health with the goal of exposing students to the current state of biomedical research. We will develop three distinct types of understanding that are essential to literacy about the science of human health: the basic concepts in science; the nature of scientific research; and the rules that govern how scientists do their work. This course will explore topics such as stem cells, gene editing, regenerative medicine, vaccination, drug development, and personalized medicine. Restricted to first-year students. Not eligible for CR/NCR.

Exclusion: Innis One, Munk One, New One, SMC One, UC One, Vic One, Woodsworth One

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4); Society and its Institutions (3)

STA198H1 - PROBABILITIES EVERYWHERE

Hours: 24S

This course examines the meaning and mathematics of probabilities, and how they arise in our everyday lives. Specific topics may include: the nature of coincidences, the concept of luck, games involving dice and cards, long run averages in casinos, margins of error in polls, the interpretation of medical studies, crime statistics, decision making, pseudorandomness, and Monte Carlo algorithms. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Grade 12 Mathematics

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

TRN135Y1 - Science and Social Choice

Hours: 48S

Many of the decisions we make as a society rely on advances in scientific knowledge. In this course, we will discuss a number of contemporary medical topics that involve complex scientific discoveries about health, the human body, disease, and infection. We will consider genes and study the medical implications of our growing understanding of the human genome. We will study a number of recent cases in order to explore how scientific findings influence decision-making in hospitals and the selection of social policies. We will also discuss the background forces that shape medical research and how this affects the kinds of health problems that are prioritized. The objective of this course is to develop a solid understanding of biological concepts related to human health and consider them in their wider social and ethical contexts. Restricted to first-year students. Not eligible for CR/NCR.

Exclusion: Innis One, Munk One, New One, SMC One, UC One, Vic One, Woodsworth One

Distribution Requirements: Science; Social Science

Breadth Requirements: Living Things and Their Environment (4); Society and its Institutions (3)

TRN140Y1 - Ethics, Humans, and Nature

Hours: 48S

This course introduces students to ethical issues arising from the way humans interact with nature. Students will study some theoretical approaches for evaluating how human society affects the planet, ecosystems, and the other animals. Theories will be drawn from philosophy, theology, and ecology, and will include Western and non-Western approaches to living in harmony with one's environment. Key themes may include speciesism – the idea that human needs are the most important – as well as overpopulation, extinction, vegetarianism, and responsible resource management. The course will also look at how social policy shapes human choices and whether sustainability initiatives should be pursued through the public or private sector. The course will also discuss the spiritual connection between humans and the environment and how society can be organized to promote access to nature in urban communities. Restricted to first-year students. Not eligible for CR/NCR.

Corequisite: TRN141Y1

Exclusion: Innis One, Munk One, New One, SMC One, UC One, Vic One, Woodsworth One

Breadth Requirements: Thought, Belief and Behaviour (2); Society and its Institutions (3)

TRN136Y1 - Canadian Health Policy in the Global Context

Hours: 48S

In this course we consider when our health policies support the highest standards of medical care, consistent with the latest discoveries in medical research. We examine the ways in which debates around ethics, effectiveness and efficiency shape global and national health policy. We begin by exploring the most important advancements in global health policy over the past two decades. We then assess Canada's experience in providing health care, identifying lessons for national policy reform and for Canada's role as a leader in global health research and policy. We explore a range of health challenges including universal health care, anti-microbial drug resistance, HIV AIDS, tuberculosis, reproductive, maternal, newborn and child health, cardiovascular care, oncology, environmental health, indigenous health, violence against women and mental health. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Trinity One

Corequisite: TRN135Y1

Exclusion: TRN235H1, TRN236H1, Innis One, Munk One, New One, SMC One, UC One, Vic One, Woodsworth One

Distribution Requirements: Science; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2); Society and its Institutions (3)

TRN141Y1 - Environmental Science and Pathways to Sustainability

Hours: 48S

This course introduces students to fundamental issues in environmental science with a multi-disciplinary focus on human impacts on physical and biological systems, and on identifying pathways to sustainability. Key themes will include energy and resources, climate change, land use, contaminants and protecting biodiversity in the context of the Anthropocene. The course challenges students to apply the scientific method to environmental monitoring, research and problem solving through project design, data collection and analysis. The course also emphasizes information literacy, skills to distinguish science from pseudo-science, and considerations around representation of environmental science in the media. Restricted to first-year students. Not eligible for CR/NCR.

Corequisite: TRN140Y1

Exclusion: Innis One, Munk One, New One, SMC One, UC One, Vic One, Woodsworth One

Breadth Requirements: Living Things and Their Environment (4); The Physical and Mathematical Universes (5)

TRN150Y1 - National versus International**Hours:** 48S

The international system today faces extraordinary challenges. Understanding these challenges requires understanding the past. This seminar course briefly reviews the origins and development of the international system from the 17th century through the age of empires and the great wars of the 20th century. It then concentrates on the clash of nationalism with internationalism in the world since 1945, looking at such issues as what drives nationalism and what alternatives there are to it. We will study ideas and ideologies as well as the institutions that make up the current geopolitical world. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: Admission to Trinity One**Exclusion:** Innis One, Munk One, New One, St. Mike's One, Vic One, UC One, Woodsworth One**Distribution Requirements:** Social Science**Breadth Requirements:** Thought, Belief and Behaviour (2); Society and its Institutions (3)**TRN152Y1 - Justice & Global Conflict****Hours:** 48S

Modern states face both new and familiar challenges to protecting national security. National insecurity threatens a country's capacity to protect the well-being of its citizens while at the same time participating in international organizations and treaties. This course explores the origins and management of international conflict from the 17th to the 21st century, focusing on the precursors to war and the markers of peace. We will also consider the ways in which our current global world order promotes and preserves justice between and within nations. Students will consider different theoretical approaches to justice between nations, and apply them to recent security issues. By studying the history of conflict and the difference between justice and injustice students will gain a deeper understanding of how current geopolitical actors can structure and affect the prospects for security policy reform moving forward. Restricted to first-year students. Not eligible for CR/NCR.

Corequisite: TRN151Y1**Exclusion:** Innis One, Munk One, New One, SMC One, UC One, Vic One, Woodsworth One**Breadth Requirements:** Thought, Belief and Behaviour (2); Society and its Institutions (3)**TRN151Y1 - Global Governance****Hours:** 48S

Terrorism, the proliferation of arms (including weapons of mass destruction), environmental degradation, globalization, technological change, and the rise of non-state actors all pose challenges to statecraft and the management of global order. This seminar course explores the changing dynamics of global politics and the responses to them by states (and others). Topics will include an examination of new forms of international collaboration that have developed in the wake of crises in the years following the Second World War. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: Admission to Trinity One**Exclusion:** Innis One, Munk One, New One, St. Mike's One, Vic One, UC One, Woodsworth One**Distribution Requirements:** Social Science**Breadth Requirements:** Thought, Belief and Behaviour (2); Society and its Institutions (3)**TRN160Y1 - Public Policy and the Public Good****Hours:** 48S

What is public policy? Is there such a thing as the public good? This seminar course examines the notion of the "public" through investigating possible answers to a central political question: what is the purpose of government? Drawing on readings in philosophy and political theory, the course considers a variety of approaches to interpreting the nature of the public good and asks how policy makers should respond when competing goods (e.g., freedom and security) clash with each other. The course involves discussion of contemporary issues in public policy. Restricted to newly admitted first-year students. Not eligible for CR/NCR.

Prerequisite: Admission to Trinity One**Exclusion:** Innis One, Munk One, New One, SMC One, UC One, Vic One, Woodsworth One**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3); Thought, Belief and Behaviour (2)

TRN161Y1 - Making Public Policy Work

Hours: 48S

How do we know what kinds of public policy will work and what will not? How do we assess the effectiveness of a policy? An historical examination of ways in which Canadian governments have addressed a range of policy problems. Case studies of areas of federal and provincial activity today. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Trinity One

Exclusion: Innis One, Munk One, New One, SMC One, UC One, Vic One, Woodsworth One

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

TRN170Y1 - Ethics and the Creative Imagination

Hours: 48S

A seminar course that explores ethical issues through the study of works of the creative imagination that pose or provoke questions of right and wrong, good and evil, justice and injustice. The selected works will be drawn from such fields as literature, film, and the visual and performing arts. Open only to students admitted to Trinity One. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Trinity One

Exclusion: Innis One, Munk One, New One, St. Mike's One, Vic One, UC One, Woodsworth One

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Thought, Belief and Behaviour (2)

TRN162Y1 - Political Economy and Social Inequality

Hours: 48S

What is the relationship between capitalism and democracy? How can studying rational choice theory inform public policy? This course will introduce students to the methods of studying the interplay between economics and political goals. We will focus on specific topics to guide our quantitative analysis, which may include intergenerational poverty, the transfer of wealth, efficiency, and social stratification. Students will learn how to situate a society's economic institutions within their broader political context, and study how economic outcomes interact with broader policies relating to, for example, health, equality, social mobility, and well-being. We will analyse empirical results while developing critical skills for interpreting economic data and research. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: Admission to Trinity One

Corequisite: TRN160Y1

Exclusion: Innis One, Munk One, New One, SMC One, UC One, Vic One, Woodsworth One

Breadth Requirements: Thought, Belief and Behaviour (2); Society and its Institutions (3)

TRN171Y1 - Ethics and the Public Sphere

Hours: 48S

What does it mean to be morally required to do something? What rights do we have over ourselves, our bodies, our privacy, our choices? In this course, we will read texts from philosophy, history, political science, cultural studies and beyond that engage with the theme of ethics in the public arena. These will provide valuable analytic tools as we go on to confront contemporary issues that raise urgent ethical questions. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: Admission to Trinity One

Exclusion: Innis One, Munk One, New One, St. Mike's One, Vic One, UC One, Woodsworth One

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3); Thought, Belief and Behaviour (2)

TRN172Y1 - Ethics and the Law

Hours: 48S

What is the relationship between moral values and the law? What role does the law play in enabling people to live better lives? Are legal institutions and actors subject to higher ethical standards? In this course we will read texts from legal theory and political philosophy to try to explain the connection between ethics and the law. This will provide the basis for thinking about some historical and contemporary legal cases, as well as ethical issues judges, lawyers, and lawmakers face in their professional roles. Restricted to first-year students. Not eligible for CR/NCR.

Corequisite: TRN171Y1

Exclusion: Innis One, Munk One, New One, St. Mike's One, Vic One, UC One, Woodsworth One

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2); Society and its Institutions (3)

TRN191H1 - Disaster and Terrorism: Religion and Ethics at Ground Zero

Hours: 24S

In response to contemporary terrorist attacks and natural disasters, many are led to cry, "The world will never be the same!" How should such statements be evaluated? What impact do they have on social and political life? This course explores religious and cultural responses to human tragedy and cultural shock. Discussion will attend to debates over the meaning of suffering, public reactions to terrorism, the traumas of natural disasters, and the role of media in covering such events. These themes are engaged from the perspectives of ethics, cultural theory, religious studies, and theology. The course focuses on popular responses to events that include: the Lisbon Earthquake of 1755, the First World War, the Holocaust, Hurricane Katrina, the Japanese experiences of Hiroshima and Fukushima, 9/11, and more recent examples of terrorism and disaster. Attention will be given to concerns such as the impact of trauma on social and political debate, the function of religious discourse in the face of tragedy, the nature of ideology, and the relationship between religion and violence. A thematic concern throughout the course will be the nature of ethical commitment in the midst of confusion and social disruption. Restricted to first-year students. Not available for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

TRN192H1 - Public Health in Canada: Health for the 21st Century

Hours: 24L

This course deals with preventive care and population health. It will also move into new areas like healthcare and the environment (climate change) and the greening of healthcare. It will look at health as an extension of democracy – of how health extends individual rights beyond the political realm to the social realm, of how it can build social capital and knit populations together. It will look at areas inimical to health, 'detrimental to health' and how economic inequality can lead to health inequality. Along with this it will look at ways of empowering the individual, the public as agent and a role of public engagement by major institutions. It will also push beyond the popular determinants of health to engage students in a paradigm on next steps, the future challenges in population health. Restricted to newly admitted first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

TRN193H1 - Canadian Health Policy: Past, Present and Future

Hours: 24L

This is a health systems course. It deals with illness care, individual health, and health insurance. It will take a comparative and historical approach. We will look at the genesis of Canadian healthcare, our benefits and those other countries provide (e.g., pharmacare, dental care). We will look at indirect contributors like childcare and basic income. We will examine the public-private debate. We will also take some novel approaches. One is that the university has an expanded role in the 21st century, one that involves public outreach, a role that includes healthcare. Recent academic literature on healthcare notes that it is nation-building. We will look at why. We will examine some cutting-edge ideas, like integrated care, the learning health system, the concept of customer-owners. We will explore whether our healthcare system needs to be anchored by 'institutions of excellence' and identify these. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

TRN194H1 - Literature and Wicked Problems

Hours: 24L

This course explores contemporary literature in relation to the interdisciplinary framework of "wicked problems." Research emphasizes that complex, entrenched problems, like government relations with Indigenous peoples or human impacts on the climate, involve interconnected systems and require approaches that cross disciplines and types of knowledge. The course examines the role of literary works (mostly 21st-century fiction) in addressing these issues of pressing concern to students as global citizens. Critical thinking, scholarly reading and database research are foundational skills that this course strengthens in order to prepare students for their writing in disciplines across the university. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

TRN195H1 - The Literature of Heroes and Horrors

Hours: 24L

This course explores contemporary literary works that redefine heroism in light of personal and cultural trauma. What does recent literature (mostly 21st-century fiction) show us about the nature of heroism in our time? To answer this question, the course examines theories of psychological trauma, studies in the field of positive psychology, and research on gothic and dystopian literature. Critical thinking, scholarly reading and database research are foundational skills that the course strengthens in order to prepare students for their writing in disciplines across the university. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

TRN196H1 - Boethius's Consolation of Philosophy

Hours: 24L

Anicius Manlius Severinus Boethius (died 524) was the greatest scholar and statesman of Rome after its conquest by the barbarian Ostrogoths. When he was unjustly sentenced to death for treason, he wrote one of the great classics of Western literature, *The Consolation of Philosophy*. C. S. Lewis remarked of the work that "until about two hundred years ago it would, I think, have been hard to find an educated man in any European country who did not love it." Boethius confronts the most intractable questions of suffering humanity: Why do bad things happen to good people? What is the point of living a virtuous life? Do we really have free will, or is choice an illusion? In this seminar, we will learn about Boethius's world and his philosophical sources, and we will analyse the argument he offers in the *Consolation*. We will then see how Boethius's ideas are discussed by modern scholars and consider the relevance of Boethius's ideas to modern life. A highlight of the term will be a visit to the Fisher Rare Book Library to look at manuscripts and early printed books. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

TRN197H1 - In the Shadow of the Vikings: Depictions of the Early Norse in Medieval, Modern, and Post-Modern Culture

Hours: 24L

Although rarely attested during the historical era when they were active, since the early nineteenth century the word "Viking" has been popularly applied to describe groups of Scandinavian adventurers who marauded along the frontiers of Medieval Europe: in this respect, the image of "the Viking" may be regarded as much a modern, as it is a medieval, creation. The legacy of historical "Viking activities" was a factor in the development of modern nation states in Scandinavia and the Baltic region, and their contributions to the heritage of people residing in Britain, continental Europe, the Middle East, and even the Atlantic coast of Canada have been and continue to be cited to the present day. Aspects of culture attributed to "the Vikings"—their assumed independence, courage, resourcefulness, and tenacity in the face of adversity, as well as the occult characteristics of their cosmology—have, for better and worse, inspired modern artists, writers, composers, intellectuals, explorers and even political leaders, and persist in present day literature, art, music, sport and popular culture as well. Why and how do elements of historic Viking culture continue to evoke traditions and characteristics popularly attributed to "the Vikings"? What are some implications of "Viking-ness" for those people in the post-Viking Age past and/or present who we may regard—or may regard themselves—as the "cultural descendants" of the Vikings? In this seminar, participants will study selected cultural artifacts of the "post-Viking Age," along with recent multidisciplinary research, to observe how various "post-Viking Age" cultures and subcultures have selectively appropriated elements of the "Viking" past. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

TRN198H1 - The Viking Phenomenon: Commerce, Conflict, and Communication along Europe's Frontiers, 7th – 15th Century

Hours: 24L

Perspectives on the impact that the Scandinavian raiders and traders popularly referred to as "Vikings" had on European and World history continue to develop as the work of historians, archaeologists, linguists, and scientists expands our understanding of the past. Recent research has revised the traditional view of the "Vikings" as primarily marauding warriors; in its place, a more complex and nuanced conception of the implications that "Viking activity" had on the social, economic, and political development of the peoples with whom they came in contact has emerged. This seminar will consider the relationship between the traditional conception of the "Viking warrior" and recent research that suggests the broader impact that the "Viking Phenomenon" had upon the economic revival and sociopolitical development of medieval Europe and its frontiers. In the course of the seminar, we will examine a selection of historical records and information concerning artifacts of the material culture of "The Viking Age" in order to better understand the activities of early medieval "Vikings," not only as warriors, but also as agents of commerce, explorers, pioneers, and rulers. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

TRN199H1 - Classical Social and Political Thought from the 18th Century Enlightenment to the 20th Century

Hours: 24L

In the first part of the course, via lectures and readings, we will be examining the Enlightenment, the French and Industrial Revolutions, and the Romantic Conservative Reaction to these revolutions. In part two of the course, we will study Karl Marx, who coined the term "capitalism" to describe the new type of society that had emerged as a product of the Industrial Revolution. Marx, as the severest critic of the capitalist system, called attention to its alienating character. In the 19th Century, his ideas provoked a response that accounts, in large measure, for the character of Western political thought. The discussion of Marx is therefore followed by the intense debate with his "ghost," the Marxian legacy. We will engage with the participants in the debate -- Weber, Pareto, Mosca, Michels, Durkheim, and Mannheim. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

TRN225Y1 - The Art of Health Science Discovery

Hours: 48S

Illustrated by contemporary examples, students go through the stages of the scientific discovery process. From initial idea, through literature review, funding (grant writing and assessment), experimental design and critical analysis of data through to the public dissemination of results by publication, the patent process and development of intellectual property.

Prerequisite: TRN125Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4); Society and its Institutions (3)

TRN235H1 - Health Policy in Canada: Past, Present and Future

Hours: 24S

This course explores the nature and impact of public health policy in Canada. The course describes the origins of Canadian health policy, its evolution towards its current form and the choices resulting from aging populations and the increasing costs associated with a high standard of health care.

Prerequisite: TRN135Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

TRN236H1 - The Politics of Global Health

Hours: 24S

This course explores the nature and impact of policy relationships designed to improve global public health. We explore the analytical tools necessary to study these institutional arrangements and examine successes and failures of these policy relationships across a range of global health policy challenges including infectious disease and child health.

Prerequisite: TRN135Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

UNI101H1 - Citizenship in the Canadian City

Previous Course Number: UNI101Y1
Hours: 36S

Who belongs? Who governs? Who decides? In this course, you will examine the concepts of citizenship, public space, political membership, civic responsibility, and belonging. You will address topics such as Indigenous sovereignty claims, urban multiculturalism, public housing, and greening the city. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, St. Mike's One, Trinity One, Vic One, Woodsworth One

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

UNI104H1 - Sex in the City

Previous Course Number: UNI104Y1
Hours: 36S

You will learn about the sexual politics of the city and how cities and their neighbourhoods become sexualized and desexualized spaces. In Sex in the City, you will examine what "sex" means to Toronto's varied, multicultural communities by looking at urban space, cultural productions, law enforcement, safety and health resources and more. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, St. Mike's One, Trinity One, Vic One, Woodsworth One

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

UNI102H1 - Performing the City I

Previous Course Number: UNI102Y1
Hours: 36S

You will explore the connections between the performing arts, urban spaces, and cultural diversity. How does theatrical performance affect how people perceive the city? What are the alternatives to established theatres, and how does community activism inform performing arts in Toronto? Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, St. Mike's One, Trinity One, Vic One, Woodsworth One

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

UNI106H1 - Performing the City II

Previous Course Number: UNI102Y1
Hours: 36S

Further exploration of connections between the performing arts, urban spaces, and cultural diversity; complementing [UNI102H1](#). How does theatrical performance affect how people perceive the city? What are the alternatives to established theatres, and how does community activism inform performing arts in Toronto? Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, St. Mike's One, Trinity One, Vic One, Woodsworth One

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

UNI103H1 - Gradients of Health in an Urban Mosaic

Previous Course Number: UNI103Y1
Hours: 36S

In this course, you will examine how Toronto's varied communities access and use health care, and how they may encounter barriers in doing so. You will study how economic disparities, shifting demographics, and government policies affect health policy and the right to access resources. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, St. Mike's One, Trinity One, Vic One, Woodsworth One

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

UNI197H1 - Hamilton: Musical and History

Hours: 24S

This course examines the American revolution and its reception in the musical "Hamilton." The American revolution generated multiple stories that included and excluded actors, peoples, perspectives, and more. This course delves into the American revolution and the diversity of those engaged in it and affected by it. The songs, performances, and reception of the musical "Hamilton" are a key resource for exploring the events and role of the American Revolution. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

UNI198H1 - Why Go to University? The Changing Role and Purpose of Higher Education

Hours: 24S

Is higher education about job preparation or about giving students an opportunity to learn about themselves and the world around them? Can higher education in Canada achieve both these aims? This course engages with the spirited conversations and scholarly debates about the ideals of a liberal arts education and how these connect with ancient and contemporary arguments about citizenship. We explore the impact on higher education of globalization and what some call the “corporatization” of universities. Students will be encouraged to think, read, research and write about various models of higher education and explore questions suggested by these debates. Restricted to newly admitted first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

UNI199H1 - The Construction of Race in America: A History

Hours: 24S

The course will explore the origins of racial categories in America, in particular Negro (later black), Indian, and white. Drawing on primary sources such as memoirs, film, and government records as well as writings by scholars, we will examine how beliefs about these categories changed over time and with what consequences for the unfolding of American history. Arriving at the present day, we will consider such contradictory developments as the accelerating influence of Black Lives Matter and the headline-grabbing white nationalism on display at the “Unite the Right” rally in Charlottesville, Virginia, August, 2017. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC121H1 - Evaluating Healthcare: Problems and Solutions

Hours: 24S

This course introduces students to the study of healthcare by asking foundational questions about how evidence and knowledge are produced in the context of healthcare problems. Students will explore how different frameworks for clinical practise (e.g. Evidence-based Medicine, Person-Centred Healthcare) conceptualize evidence and how different methodologies impact how healthcare research is conceived, reported, and understood. Students will learn to critically appraise healthcare research studies and assess their evidence value and implications for clinical practice. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from FYF seminars or Vic One Hundred

Distribution Requirements: Social Science

Breadth Requirements: Living Things and Their Environment (4)

VIC122H1 - Scientific Evidence in Public Policy

Hours: 24S

This course investigates issues arising from the translation of scientific evidence for public consumption, including in the development of public policy and in confronting problems of social and global significance. Areas of focus will include climate change, global health, and clinical medicine. Students will explore concepts including the perception and communication of risk, the generalizability of research findings, probabilistic and mechanistic thinking, and the use and abuse of scientific authority and “expertise” in public discourse. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from FYF seminars or Vic One Hundred

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

VIC150Y1 - School and Society

Hours: 48S

This course will be about the social and historical role of the school. The course will examine schools and learning as social, political, intellectual, and economic phenomena. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC151Y1 and PSY100H1

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

VIC163H1 - Cultural Forms and Their Meanings: People and Ideas

Hours: 24S

A study of culture with a view to developing basic concepts with examples drawn from the visual arts, music, film, architecture, and/or local urban artefacts. We will emphasize how contemporary thought has affected the practice of everyday life. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC162H1, VIC164H1, VIC165H1, and 1.0 FCE in any 100-level course in ENG or FAH or PHL

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC151Y1 - Theories and Practices of Teaching

Hours: 48S

This course focuses on connecting theories and practice of teaching with a view to having students develop their personal understanding of teaching. Students will be involved in a practicum. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC150Y1 and PSY100H1

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC164H1 - Ideas and Their Consequences: Literary and Artistic Realms of the Imagination

Hours: 24S

A study of the ideas and concerns of creative thinkers and their impact upon cultures. The course includes literary, scientific and/or religious intellectuals from the major traditions. Attention to modes of reasoning, cultural definition and expression. Emphasis on philosophical and artistic concepts. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC162H1, VIC163H1, VIC165H1, and 1.0 FCE in any 100-level course in ENG or FAH or PHL

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

VIC162H1 - Cultural Forms and Their Meanings

Hours: 24S

A study of culture with a view to developing basic concepts with examples drawn from the visual arts, music, film, literature, architecture, and/or local urban artefacts. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC163H1, VIC164H1, VIC165H1, and 1.0 FCE in any 100-level course in ENG or FAH or PHL

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC165H1 - Ideas and Their Consequences: Isolation and Communion in Modern Culture

Hours: 24S

A study of art, with a focus on poetry, as an essential mode of experience and knowledge, in the context of contemporary and modern society. Along with literary artists, the course includes writers on history and sociology and presents the interplay between artistic vision and socio-political situations. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC162H1, VIC163H1, VIC164H1, and 1.0 FCE in any 100-level course in ENG or FAH or PHL

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC166H1 - Common Vices and Neglected Virtues: Intro to Ethics of Character

Hours: 24S

Vice is popular: a prestigious university press has brought out a series of seven books on the Seven Deadly Sins. This course examines such questions as the following. Are greed, lust and gluttony just bad names for necessary and otherwise acceptable instincts? What is the place, in a good human life, of such qualities as honesty, trust, civility and the like? Are vices and virtues culturally determined or a matter of individual preference? Can character be taught, or is it rather a matter of genes and luck? Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC167H1, VIC168H1, VIC169H1, and 1.0 FCE in any 100-level course in ANT or PHL or RLG

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC167H1 - Ideas and Fine Thoughts

Hours: 24S

This course examines how political ideas are formed and developed through literature, art, plays, essays and philosophical works in the twentieth century. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC166H1, VIC168H1, VIC169H1, and 1.0 FCE in any 100-level course in ANT or PHL or RLG

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Creative and Cultural Representations (1)

VIC168H1 - Identity and Equality in the Public Sphere

Hours: 24S

This course explores current legal and philosophical debates around equality, discrimination, and the shaping of individual and group identities. It addresses the way values, affiliation, and identities have an impact on the public sphere of law and policy-making – and the ways in which law and policy, in turn, shape our conceptions (and misconceptions) of people's identities. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC166H1, VIC167H1, VIC169H1, and 1.0 FCE in any 100-level course in ANT or PHL or RLG

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

VIC169H1 - Ethical Living in a Pluralistic World

Hours: 24S

This course examines different values, beliefs, and traditions relating to the natural and social world, ethical living, and the common good. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC166H1, VIC167H1, VIC168H1, and 1.0 FCE in any 100-level course in ANT or PHL or RLG

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC170Y1 - The Impact of Science on Our Society

Hours: 48S

How rhetoric and statistical analysis are used to communicate scientific observations and theories to different audiences will be examined in lectures and seminars. Uncertainty, belief, evidence, risk assessment, random error and bias will be discussed using examples drawn from literature, the arts and the physical, life and social sciences. Students will prepare a research grant application on a scientific topic of their own choice. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC171Y1 and 1.0 FCE selected from first-year course offerings in the sciences (0.5 FCE must be a BIO course)

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC172Y1 - Physical Sciences Today

Hours: 48S

How is science performed and what enables scientific progress? What are our responsibilities as scientists? We base the discussion mostly on the development of microscopy tools. We look at how scientific discoveries affect and were affected by society. This course explores the complementary skills and knowledge needed by modern scientists. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: admission to Vic One

Corequisite: VIC173Y1 and 1.0 FCE selected from first-year course offerings in the sciences (0.5 FCE must be a CHM, MAT or PHY course)

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Science; Social Science

Breadth Requirements: Society and its Institutions (3)

VIC171Y1 - Methodology, Theory and Practice in the Natural Sciences

Hours: 48S

An examination of scientific theories and their logic in life and physical sciences. Experimental design, novel device production, data analysis and modeling will be discussed using examples drawn from primary source material in the natural sciences. Students will prepare a research paper on a topic designed in consultation with the instructor. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC170Y1 and 1.0 FCE selected from first-year course offerings in the sciences (0.5 FCE must be a BIO course)

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC173Y1 - Philosophy of Science for Physical Scientists

Hours: 48S

This course introduces students to some of the issues in the philosophy of science, in general, and in the philosophy of physics, in particular. Topics include the scientific method and its controversies, the meaning of time and its properties, realism versus competing approaches, thought experiments, and quantum mechanics. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: admission to Vic One

Corequisite: VIC172Y1 and 1.0 FCE selected from first-year course offerings in the sciences (0.5 FCE must be a CHM, MAT or PHY course)

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Science; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC181H1 - Events in the Public Sphere: World Affairs

Hours: 24S

This course will review issues in contemporary world affairs, from the fall of the Berlin Wall to the present day. The course will examine the politics and practice of foreign policy decision making. Issues to be covered include the collapse of the Soviet Union, intervention in humanitarian crises, and the conflicts in Afghanistan and Iraq. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC183H1, VIC184H1, VIC185H1, and 1.0 FCE in any 100-level course in ECO, HIS or POL

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

VIC184H1 - Individuals and the Public Sphere: History, Historiography and Making Cultural Memory

Hours: 24S

A seminar course that examines the contribution of an individual or individuals to the public sphere. The course will explore how public service and citizenship are developed in social, philosophical, and cultural contexts. We will examine our evolving role in developing collective, cultural and counter memory. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC181H1, VIC183H1, VIC185H1, and 1.0 FCE in any 100-level course in ECO, HIS or POL

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC183H1 - Individuals and the Public Sphere: Shaping Memory

Hours: 24S

This course explores how public service and citizenship are developed. Topics may include the role of law and government, civil liberties, rights and responsibilities, and the role of protest. Emphasis on individuals and movements that have shaped modern memory. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC181H1, VIC184H1, VIC185H1, and 1.0 FCE in any 100-level course in ECO, HIS or POL

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Social Science

Breadth Requirements: Creative and Cultural Representations (1)

VIC185H1 - Events in the Public Sphere: Social Justice

Hours: 24S

This course uses events to discuss the nature of society including major revolutions, economic crises, and the impact of significant artistic, cultural and technological developments. Emphasis on our responsibilities towards social justice. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC181H1, VIC183H1, VIC184H1, and 1.0 FCE in any 100-level course in ECO, HIS or POL

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

VIC186Y1 - The Art and Literature of Leadership

Hours: 48S

What is a leader? Are leaders born or are they made, and if they are made is there a craft to being able to lead others? Through works of art, film, and literature, this course examines the various types of men and women who become leaders from natural-born talents to statesmen and state-crafters and individual entrepreneurs with the purpose of defining those qualities that make for the leaders of tomorrow. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC187H1, VIC188H1, ECO101H1 and ECO102H1

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC188H1 - Corporate Citizenship, Sustainability, and Ethics

Hours: 24S

Drawing together philosophical background readings with contemporary applications, this course addresses issues of corporate social responsibility, business ethics, human rights, diversity, and equity, and considers how these topics intersect with a wide range of global practices. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC186Y1, VIC187H1, ECO101H1 and ECO102H1

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC190Y1 - The Arts and Society

Hours: 48S

The artist, filmmaker, poet or dramatist has changed society and how we imagine our future. The course explores a number of paradigm cases of how the arts have interacted with social problems. Both historical and current examples of the role of the imaginative arts will be explored. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC191Y1 and 1.0 FCE in any 100-level course in ARC or CIN or DRM or ENG or MUS or VIS

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

VIC191Y1 - Artistic Creation and Public Issues

Hours: 72S

This course addresses social issues through the exploration of creative activity and the imaginative arts. Topics will be discussed from historical, ethical and philosophical perspectives, and might be considered either in a group or individually. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC190Y1 and 1.0 FCE in any 100-level course in ARC or CIN or DRM or ENG or MUS or VIS

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC199H1 - Thinking with Things

Hours: 24S

This course will examine the materiality of objects with a view to understanding how artefacts are made, their circulation, consumption, and the importance of *things* to social and cultural life. An investigation of artefacts from various collections in and around the university will be undertaken to develop basic methods for the study, description and analysis of material culture. In addition to hands-on exploration of objects, topics may include antiquarians and their methods, material culture in colonial contexts, and materials in contemporary user-friendly design. Restricted to newly admitted first-year students. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from FYF seminars or Vic One Hundred

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

WDW151H1 - Order and Disorder I: Issues and Perspectives

Hours: 16T/24S

Societies require law and order, but at what point does order become oppression? How do we balance our need for freedom and society's need for order? This interdisciplinary seminar allows students to explore these and related questions through selected readings introducing theories from sociology, political science, philosophy, and history. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Woodsworth One

Exclusion: INI One, MUN One, NEW One, SMC One, TRN One, UNI One, VIC One, WDW153H1, WDW154H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

WDW152H1 - Order and Disorder II: Problems and Solutions

Hours: 16T/24S

Building on the questions and theoretical perspectives discussed in WDW151H1, this interdisciplinary seminar introduces students to some of the methods used by scholars and researchers in sociology, political science, philosophy, and history to develop, test, and debate possible solutions to the problems of social order and disorder. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: WDW151H1 or permission of the Woodsworth One Program Coordinator

Exclusion: INI One, MUN One, NEW One, SMC One, TRN One, UNI One, VIC One, WDW153H1, WDW154H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

WDW153H1 - Popular Culture Today I: Issues and Perspectives

Hours: 16T/24S

Popular culture, which might best be defined as culture about everyone, by everyone, and for everyone, is an increasingly important part of life. This interdisciplinary seminar examines from multiple perspectives its impact as art movement, agent of social change, and universal language of the digital age. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to the Woodsworth One Program.

Exclusion: INI One, MUN One, NEW One, SMC One, TRN One, UNI One, VIC One, WDW151H1, WDW152H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

WDW154H1 - Popular Culture Today II: Special Topics

Hours: 16T/24S

Building on the general introduction to the subject provided by WDW153H1, this interdisciplinary seminar examines one major area of popular culture in greater depth: popular music, genre fiction, online culture, etc. The focus will be different each year, and in some years more than one option may be available. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: WDW153H1 or permission of the Woodsworth One Program Coordinator

Exclusion: INI One, MUN One, NEW One, SMC One, TRN One, UNI One, VIC One, WDW151H1, WDW152H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

WDW197H1 - Jane Austen on Film

Hours: 24S

In the 21st century, Jane Austen's early 19th-century novels of love and marriage are increasingly experienced through retellings and updatings in theatrical and made-for-television movies. The course will examine highlights from the last 25 years of Austen adaptations for what they can tell us about relationships in our time, including how Austen's stories are rewritten to please a modern audience. Films in the course will include works from 1995 to 2016 (from 1995, Clueless, Austen's Emma retold as a Hollywood high school comedy and starring Alicia Silverstone; and Sense and Sensibility, for which Emma Thompson's screenplay won an Academy Award; and from 2016, the Hallmark Channel's Unleashing Mr. Darcy, Austen's Pride and Prejudice transferred to the present-day dog show circuit; and writer/director Whit Stillman's Love and Friendship, the first-ever film version of Austen's Lady Susan). Restricted to first year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

WDW198H1 - There and Back Again: Exploring Tolkien

Hours: 24S

Since the mid-twentieth century, J.R.R. Tolkien's *The Hobbit* and *The Lord of the Rings* have become classics of children's and fantasy literature. In this course, we read Tolkien's *The Lord of the Rings* and investigate the world-building and imagined history that lies behind the books. We trace how Tolkien's own life experience informed his work—his experience as a soldier of the Great War and a civilian during World War Two; as a scholar of medieval language and literature, and of fairy tales; as a Catholic thinker; and as a lover of nature and the past. We also survey the afterlife of the novels in fantasy, film, and the popular imagination. Restricted to first year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

WDW199H1 - Indigenous Knowledge and Storytelling in Toronto

Hours: 12T/24S

The land now known as Toronto has a 13,000+ year old history of Indigenous presence that is still unfolding. This history is inscribed in the land – it is visible in the geographical features, place names, and contemporary urban form of the city and is represented through stories (oral and written) told by diverse members of Toronto's Indigenous community. This course engages with stories of Indigenous history and presence in Toronto through a selection of Indigenous literary works about Toronto, Indigenous guest speakers, and a series of experiential Indigenous storytelling tours of significant locations across the city. Students will be introduced to Indigenous worldviews and ways of knowing and will learn why storytelling remains a significant and culturally-appropriate means for keeping and sharing land-based Indigenous Knowledge. Students will gain a deeper appreciation of the city as a traditional Indigenous territory and will reflect on their own relationships and responsibilities within these lands. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Forest Conservation and Forest Biomaterials Science

Faculty List

Professors Emeriti

P.L. Aird, BScAgr, MS, PhD
 T.J. Blake, BSc, MF, PhD
 R.B. Bryan, BA, PhD
 R. Carrow, BScF, MSc, PhD
 P.A. Cooper, BScF, MSc, PhD
 M. Hubbes, DipIngAgr, DrAgr
 A. Kenney, BScF, MSc, PhD
 D.L. Martell, MASc, PhD
 J. C. Nautiyal, BSc, MF, PhD
 D.N. Roy, BSc, DPhil, FRSC
 V.R. Timmer, BScF, MScF, PhD

Professor and Dean of the Faculty

Robert M. Wright, BSc, MLA

Professors

J. Caspersen, BA, PhD
 S. Kant, MA, PhD
 J.R. Malcolm, MSc, PhD
 M. Sain, PhD, PEng, FRSC (UK)
 S.M. Smith, MSc, PhD
 S.C. Thomas, BA, PhD
 N. Yan, BASc, PhD

Assistant Professors

S. Krigstin, MScF, PhD

Associate Professors

D. Puric-Mladenovic, PhD
 B.M. Wotton, PhD

Introduction

Forests have traditionally been managed primarily as sources of timber and revenue. However, there is increasing recognition of their immense cultural, social and environmental role, focused particularly by recent United Nations conferences in Rio de Janeiro and Johannesburg. Increasingly the focus of forest management has shifted to include biodiversity maintenance, ecological sustainability, and the protection of wildlife and their habitats. Canadians, as custodians of 10% of the remaining global forest cover, and 25% of the undisturbed frontier forest, have both the option and the responsibility to provide global leadership in forest conservation and sustainable forest management. Forest conservation programs prepare students for this critically important role by combining traditional ecological (biology, zoology) and physical (soil science, hydrology) sciences with social sciences. Forest conservationists increasingly focus on complex, emerging social and community issues, such as aboriginal rights and land tenure, protection of wilderness parklands, preservation of urban green space, and the use of forests for carbon sequestration.

Responsible stewardship of our forests and the changing focus from industrial timber production to forest conservation has greatly expanded the range of expertise necessary. Graduates can pursue a wide range of new career opportunities developing in private, government and non-government environmental organizations

where forest conservationists increasingly work as members of multidisciplinary teams of environmental and resource managers. Graduates from forest conservation programs can also pursue graduate programs in a wide range of disciplines, including forest conservation, forestry, environmental sciences and international development.

Students may take a specialist 4-year degree leading to an H.B.A. in Forest Conservation or an H.B.Sc. in Forest Conservation Science. The arts program focuses on communal forest management, development of forest policies, forest economics and forest product trade, with electives in social sciences, while the science program concentrates on forest biology and ecology with electives in life and physical sciences.

The specialist programs provide a grounding in forest conservation with emphasis on breadth as well as research depth, and can particularly meet the needs of individuals who are considering graduate level education in forestry (M.F.C., M.Sc.F. or Ph.D.).

The major programs in Forest Conservation are intended to build on a student's interest in forestry and related issues. Students should consider combining these programs with a major in another related discipline such as environment, geography, biology, chemistry, urban studies or architecture.

A minor in Forest Conservation Science (Science program) and a minor in Forest Conservation (Arts program) are also available. Students should consider combining these programs with a minor in other related disciplines.

Forest Biomaterials Science

Canada is not only a key player in global forest conservation but also a world leader in Forest Biomaterials Science and Biorefinery education and research. Wise and innovative use of forest biomaterials is a mandatory component of global forest conservation. It is recognized that right and proper use of forest-based materials can help resolve global environmental problems as they are renewable, have low life cycle costs and contribute to carbon sequestration. Traditionally, forest materials have been used in wood construction and paper products. Today, new and exciting technologies are transforming the forest resource into biodegradable polymers, specialty chemicals, nanomaterials and carbon neutral fuels. Students in this program will acquire a thorough understanding of forest sustainability; material science of wood, lightweight composites, pharmaceutical and nutraceutical products, and other forest based materials; bio-conversion technologies related to forest and agricultural materials and optimal use and maintenance of natural fibre based materials. The program is highly interdisciplinary, combining aspects of forestry, biology, chemistry, chemical and mechanical engineering and building sciences.

The major and minor in Forest Biomaterials Science will be of interest to students that recognize the value of conserving the forest through good design, application and utilization of forest based products. Graduates from this program can pursue careers in private industry, research and government organizations where knowledge of new and changing technologies will be required to lead the transformation from petro-chemical based industries to ones established on renewable biomaterials.

Undergraduate Co-ordinator: Professor Sean Thomas, Room 4012 , Earth Sciences Centre (416-978-1044)

Undergraduate Administrator: Laura Lapchinski, Room 1017A, Earth Sciences Centre (416-978-5480)

Forest Conservation and Forest Biomaterials Science Programs

Forest Conservation Science Specialist (Science Program) - ASSPE1102

Completion Requirements:

(12 full courses or their equivalent, including at least 3.5 300-series courses and 2.0 400-series courses; other equivalent and approved courses offered by other Faculties, University of Toronto Mississauga or University of Toronto Scarborough may be eligible for inclusion.)

First Year:

BIO120H1; plus 2.5 first year Science FCEs (GGR101H1; CHM135H1, CHM136H1 recommended)

Second Year:

1. ENV234H1; FOR200H1, FOR201H1
2. 1.0 FCE from ECO220Y1, ECO227Y1; GGR270H1, GGR271H1; STA220H1, STA221H1
3. 1.0 FCE from BIO220H1, BIO251H1, BIO260H1; GGR205H1, GGR206H1, GGR272H1, GGR273H1; PHL273H1; ENV221H1, ENV222H1; ENV234H1, ENV237H1, ENV238H1

Third Year:

1. FOR301H1, FOR305H1; 1.0 FCE from FOR300H1, FOR302H1, FOR303H1, FOR306H1, FOR307H1, FOR310H1; ENV334H1
2. 0.5 FCE from EEB319H1, EEB321H1, EEB323H1, EEB328H1; CSB340H1
3. 1.0 FCE from EEB324H1, EEB365H1, EEB386H1, EEB388H1; GGR305H1, GGR314H1; ENV320H1, ENV322H1, ENV323H1

Fourth Year:

1. FOR400Y1, FOR401H1
2. 0.5 FCE from FOR403H1, FOR405H1, FOR410H1, FOR413H1, FOR416H1, FOR417H1, FOR418H1, FOR419H1, FOR420H1, FOR423H1; ENV347H1; JFG470H1, JFG475H1; EEB403H1, EEB406H1, EEB407H1

Note: If the FOR301H1 is not on offer, a student may use a substitute field or research course from another department. Contact the Forestry Undergraduate Administrator for details and confirmation.

Forest Conservation Specialist (Arts Program) - ASSPE1100

Completion Requirements:

(12 full courses or their equivalent, including at least 3.0 300-series courses and 2.5 400-series courses; other equivalent and approved courses offered by other Faculties, University of Toronto Mississauga or University of Toronto Scarborough may be eligible for inclusion.)

First Year:

BIO120H1; plus 1.5 first year Social Science FCEs

Second Year:

1. ENV234H1; FOR200H1, FOR201H1
2. 1.0 FCE from ECO220Y1, ECO227Y1; GGR270H1; STA220H1, STA221H1, STA255H1
3. 1.0 FCE from ANT204H1; ENV221H1, ENV222H1; GGR223H1; INS201Y1; PHL273H1

Third Year:

1. FOR301H1, FOR305H1; At least 1.0 FCE from FOR300H1, FOR302H1, FOR303H1, FOR306H1, FOR307H1, FOR310H1; EEB321H1
2. At least 1.0 FCE from JGE321H1, JGE331H1; ENV320H1, ENV323H1, ENV347H1; GGR321H1

Fourth Year:

1. FOR400Y1, FOR401H1
2. 1.0 FCE from ANT450H1; FOR403H1, FOR416H1, FOR417H1, FOR418H1; ENV421H1, ENV422H1, ENV440H1; JFG470H1, JFG475H1; GGR416H1

An additional 1.0 FCE can be taken from any 3rd or 4th year elective listed above.

Note: If the FOR301H1 is not on offer, a student may use a substitute field or research course from another department. Contact the Forestry Undergraduate Administrator for details and confirmation.

Forest Biomaterials Science Major (Science Program) - ASMAJ1098

Completion Requirements:

The Forest Biomaterials major or minor may be strengthened by an accompanying major or minor(s) in Biology (major, minor), Biochemistry (major), Forest Conservation (major, minor), Chemistry (major, minor), Environmental Chemistry (minor), Materials Chemistry (minor) or Environment & Science (major, minor).

Consult the Program Coordinator, Professor Sally Krigstin, Room 3029, Earth Sciences Centre (416-946-8507)

(8 full courses or their equivalent, including at least 2.0 FCE 300-series courses and 2.0 FCE 400-series courses; other equivalent and approved courses offered by other Faculties may be eligible for inclusion.)

1. BIO120H1; 1.0 FCE from MSE101H1; ECO101H1, ECO102H1, ECO105Y1; CHM135H1, CHM136H1; MAT135H1
2. FOR200H1, STA220H1; 1.0 FCE from CHM220H1; ENV221H1, ENV234H1; MSE219H1; BCH210H1, BCH242Y1; STA221H1; EEB225H1; MGT201H1, RSM100Y1; BIO220H1, BIO251H1
3. FOR300H1, FOR310H1; 1.0 FCE from FOR302H1, FOR305H1; ENV350H1; MSE316H1; BCH370H1; GGR348H1
4. FOR401H1, FOR410H1; 1.0 FCE from FOR403H1, FOR405H1, FOR420H1, FOR423H1; CHE475H1

An additional 0.5 FCE can be taken from any 3rd or 4th year elective listed above.

Forest Conservation Major (Arts Program) - ASMAJ1100

Completion Requirements:

(8 full courses or their equivalent, including at least 1.5 300-series courses and 1.0 400-series course; other equivalent and approved courses offered by other Faculties, University of Toronto Mississauga or University of Toronto Scarborough may be eligible for inclusion.)

First Year:

BIO120H1; plus 1.5 first year Social Science FCEs

Second Year:

1. ENV234H1; FOR200H1, FOR201H1
 2. 1.0 FCE from ANT204H1; ECO220Y1, ECO227Y1; GGR270H1; INS201Y1; STA221H1; ENV221H1, ENV222H1; PHL273H1; STA220H1, STA255H1

Third Year:

FOR305H1; 1.0 FCE from FOR300H1, FOR301H1, FOR302H1, FOR303H1, FOR306H1, FOR307H1, FOR310H1; EEB321H1

Fourth Year:

FOR400Y1

An additional 1.0 FCE can be taken from any 3rd or 4th year elective listed above or under the Forest Conservation Specialist (Arts Program).

Forest Conservation Science Major (Science Program) - ASMAJ1102

Completion Requirements:

(8 full courses or their equivalent, including at least 2.0 300-series courses and 1.0 400-series course; other equivalent and approved courses offered by other Faculties, University of Toronto Mississauga or University of Toronto Scarborough may be eligible for inclusion.)

First Year:

BIO120H1; plus 2.5 first year Science FCEs (GGR100H1, GGR101H1; CHM135H1, CHM136H1 recommended)

Second Year:

FOR200H1, FOR201H1; 1.0 FCE from ENV234H1, ENV237H1, ENV238H1; GGR201H1, GGR203H1, GGR205H1, GGR206H1, GGR223H1, GGR272H1, GGR273H1; BIO220H1

Third Year:

FOR305H1; 1.5 FCE from FOR300H1, FOR301H1, FOR302H1, FOR303H1, FOR306H1, FOR307H1, FOR310H1; EEB321H1

Fourth Year:

FOR400Y1

Forest Biomaterials Science Minor (Science Program) - ASMIN1098

Completion Requirements:

The Forest Biomaterials major or minor may be strengthened by an accompanying major or minor(s) in Biology (major, minor), Biochemistry (major), Forest Conservation (major, minor), Chemistry (major, minor), Environmental Chemistry (minor), Materials Chemistry (minor) or Environment & Science (major, minor).

Consult the Program Coordinator, Professor Sally Krigstin, Room 3029; Earth Sciences Centre (416-946-8507)

(4 full courses or their equivalent, including at least 1.5 FCE 300-series course and 1.0 FCE 400-series courses)

1. 1.5 FCE from BIO120H1; MSE101H1; ECO105Y1; CHM135H1, CHM136H1, CHM220H1; FOR200H1; ENV234H1; MGT201H1
2. FOR300H1, FOR310H1; 0.5 FCE from ENV350H1; MSE219H1, MSE316H1; FOR305H1, BCH370H1; GGR348H1
3. 1.0 FCE from FOR401H1, FOR405H1, FOR410H1, FOR420H1, FOR423H1

Forest Conservation Minor (Arts Program) - ASMIN1100

Completion Requirements:

(4 full courses or their equivalent)

First Year: 1.0 FCE from ANT100Y1; ECO101H1, ECO102H1; ENV200H1; GGR101H1, JEG100H1

Higher Years: 3.0 FCEs from FOR200H1, FOR201H1, FOR300H1, FOR301H1, FOR302H1, FOR303H1, FOR305H1, FOR306H1, FOR307H1, FOR310H1, FOR400Y1, FOR401H1

Forest Conservation Science Minor (Science Program) - ASMIN1102

Completion Requirements:

(4 full courses or their equivalent, including at least 1.0 300-series course and 1.0 400-series course)

First Year: 1.0 FCE from BIO120H1; GGR101H1; CHM135H1, CHM136H1

Second Year: FOR200H1, FOR201H1

Third Year: 1.0 FCE from FOR300H1, FOR301H1, FOR302H1, FOR303H1, FOR305H1, FOR306H1, FOR307H1, FOR310H1

Fourth Year: FOR400Y1

Forest Conservation and Forest Biomaterials Science Courses

FOR200H1 - Conservation of Canada's Forests

Hours: 24L

Forest conservation issues in Canada; development of forest management philosophy in Canadian and temperate forest regions; and concepts of sustainability. Techniques for more sustainable forest management: structural retention; forest certification; old growth; value-added and non-traditional forest products. Field trip fee: \$20.

Recommended Preparation: BIO120H1, GGR100H1, GGR101H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

FOR201H1 - Conservation of Tropical and Subtropical Forests

Hours: 24L

The world's major tropical and subtropical forest biomes; prospects for conservation and sustainable management; consequences of different forest development strategies; tropical deforestation and selective logging; agroforestry; biodiversity and non-timber forest products; the fuelwood crisis; large carnivore conservation; ecological, economic and social perspectives.

Recommended Preparation: BIO120H1, GGR100H1, GGR101H1

Distribution Requirements: Science; Social Science

Breadth Requirements: Living Things and Their Environment (4)

FOR300H1 - Forest Products in Sustainable Forestry

Hours: 24L/24P

Traditional and non-traditional forest products; wood structure; properties and material attributes; functional characteristics and logistics of wood product industry. Contribution of innovative product development to conservation; adding value; residue use; biorefinery; under-utilized species; wood protection. Forest product certification; eco-labelling; life cycle analysis.

Recommended Preparation: FOR200H1, FOR201H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

FOR301H1 - Field Methods in Forest Conservation

Hours: TBA

A practical introduction to the field methods used by forest conservationists in Ontario. This field course will last 10-days from August 30 September 8 approximately. Field exercises will provide students with practical training in tree identification, forest ecosystem classification, forest inventory, stand management prescriptions, tree marking, and silvicultural systems. Each student is required to pay an ancillary fee of \$600 to cover the costs of their transportation and accommodation. Students must contact the Faculty to register; we strongly recommend that you do so by the end of May, but later registrations will be considered if class size permits. Not eligible for CR/NCR option.

Recommended Preparation: ENV234H1, FOR200H1, FOR201H1, GGR205H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

FOR302H1 - Societal Values and Forest Management

Hours: 24L

The course will provide diverse perspectives about societal values and forests, such as Indigenous perspective, ecosystem services and human well-being, climate change and carbon sequestration, and forest management systems, such as community-based forest management and adaptive management systems; and will develop an understanding of the need of integrative approach to address the social, cultural, economic, and scientific issues associated with forest management.

Recommended Preparation: FOR200H1, FOR201H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

FOR303H1 - Human Dimensions of Global Forests

Hours: 24L

Global forest resources; relationships between societies and forests, consumption, trade and valuation of timber and non-timber products; ecosystem services, climate change and forestry, tropical deforestation and softwood lumber dispute.

Recommended Preparation: FOR200H1, FOR201H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

FOR305H1 - Biology of Trees and Forests**Hours:** 24L/40P

An overview of the biology of trees and the ecological principles that govern the structure and function of forests. Topics in tree biology will include tree identification, wood anatomy, tree architecture, resource acquisition and allocation, tree growth and mortality. Topics in forest ecology will include resource competition, stand development, species succession, and the cycling of nutrients and energy. This course will include a substantial field and lab component.

Recommended Preparation: FOR200H1, FOR201H1, BIO120H1, BIO220H1, ENV234H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

FOR310H1 - Bioenergy from Sustainable Forest Management**Hours:** 24L/12T

Socio-economic, technical, political and environmental issues associated with the utilization of forest biomass (e.g., harvesting residues, thinnings, salvage, short rotation woody crops) for a source of renewable energy.

Exclusion: GGR310H1

Recommended Preparation: Completion of at least 6 Science FCEs

Distribution Requirements: Science

Breadth Requirements: Society and its Institutions (3)

FOR400Y1 - Advanced Seminar in Forest Conservation**Hours:** 48S

Examination of current and emerging critical issues affecting sustainable management and conservation of global forests. Seminars led by students, faculty and visiting speakers.

Prerequisite: At least 2 of FOR300H1/ FOR301H1/ FOR302H1/ FOR303H1/ FOR305H1/ FOR306H1/ FOR307H1/ FOR310H1

Distribution Requirements: Science; Social Science

Breadth Requirements: Living Things and Their Environment (4); Society and its Institutions (3)

FOR401H1 - Research Paper/Thesis in Forest Conservation**Hours:** TBA

Individual in-depth student research projects on significant forest conservation and forest biomaterial issues, based on field and/or laboratory research, or literature survey. Not eligible for CR/NCR option.

Prerequisite: Completion of at least 15 FCEs, including 2 courses from FOR300H1/ FOR301H1/ FOR302H1/ FOR303H1/ FOR305H1/ FOR306H1/ FOR307H1/ FOR310H1

Distribution Requirements: Science; Social Science

FOR307H1 - Forest Insect Ecology & Management**Hours:** 24L/24P

Insect identification and ecology, biodiversity and conservation, invasive species, insect-tree interaction, biological control, pesticide use, and integrated pest management.

Recommended Preparation: FOR301H1 or FOR305H1, EEB380H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

FOR403H1 - Directed Readings**Hours:** 24S

Provides opportunities for students to carry out individual in-depth study of current forest conservation and forest biomaterials issues, under the direction of a faculty member. Not eligible for CR/NCR option.

Prerequisite: Completion of at least 15 FCEs, including 2 courses from FOR300H1/ FOR301H1/ FOR302H1/ FOR303H1/ FOR305H1/ FOR306H1/ FOR307H1/ FOR310H1

Distribution Requirements: Science; Social Science

FOR413H1 - Wildlife Ecology & Conservation**Hours:** 24L

Temperate and tropical wildlife ecology and conservation; roles of wildlife in forest conservation; impacts of forestry practices and landscape modification on wildlife; ecology and viability of wildlife populations; human uses and abuses of game and non-game species.

Prerequisite: FOR200H1, FOR201H1, EEB319H1, EEB321H1, EEB323H1, EEB324H1, ENV234H1 + Completion of at least 15 FCEs

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

FOR405H1 - Forest Products, Processing and Water Relations**Hours:** 24L/12P

Processing of wood into commercial products focusing on products produced in conjunction with water. Also includes composite manufacturing; specifications and testing; bending; wood drying; spalling and decay protection; life cycle analysis of wood-based products.

Prerequisite: None

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

FOR416H1 - Green Urban Infrastructure**Hours:** 24L

Trees in and around the city are key to providing multiple engineered and ecological services that only recently have been brought into the responsible fiscal planning of every municipality around the globe. Reviews the role of trees and woodlands in providing environmental, social and economic benefits to urban and peri-urban residents and to the broader environment. Examines approaches to the characterization of urban forest ecosystems, and their planning and management.

Prerequisite: FOR200H1, FOR201H1

Exclusion: FOR421H1 (APSC)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

FOR410H1 - Bioenergy and Biorefinery Technology**Hours:** 24L/24T

Technological advances and approaches in deriving biofuels and chemical feedstocks from forest and other biomass. Fundamental chemical attributes of biomass, as they affect the fuel value and potential for deriving liquid, solid and gaseous fuels and valuable chemicals for other applications will be discussed.

Exclusion: FOR425H1 (APSC)

Recommended Preparation: Completion of at least 10 Science FCEs

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

FOR417H1 - Ecological Principles of Agroforestry**Hours:** 24L

The roles of trees and forests in agricultural land-use systems primarily in the third world. An examination of the biological and management aspects of agroforestry, within the socio-economic constraints of the developing world. The sustainability of particular agroforestry systems is a theme throughout.

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

FOR418H1 - Urban Forest Conservation Field Camp

Hours: 45L/15P

A ten day field course examining urban forestry issues in the GTA, southern and eastern Ontario and Quebec. Topics include: urban forest inventories, nursery production, arboricultural techniques, urban woodland management, urban forest health, urban forest administration, urban dendrology, and urban forestry research. Additional fees of \$850 for field course (e.g. accommodation, food, other within course travel expenses) will apply. See Faculty website for details. Not eligible for CR/NCR option.

Prerequisite: FOR200H1, FOR201H1, or permission of the instructor.

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

FOR423H1 - Sustainable Materials Design and Manufacturing

Hours: 24L/24T

This course focuses on the manufacturing processes, properties and uses of wood and agricultural fibre based products including wood based composites, ligno-cellulosic/thermoplastic composites and structural or engineered composites, and the practical use of these products in design.

Exclusion: FOR424H1 (APSC)

Recommended Preparation: Completion of at least 10 Science FCEs

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

FOR419H1 - Forest Fire Behaviour and Management

Hours: 24L/24P

Understanding forest fire activity is important for predicting fire's impact on forests and the wildland-urban interface, as well as understanding the impacts of climate change. Basic principles of forest fuel moisture exchange, fire occurrence and fire behaviour are explored. Emphasis is placed on application of these models to real fire management problems.

Prerequisite: One course in quantitative methods, linear algebra or calculus

Recommended Preparation: ECO220Y1, ECO227Y1, GGR270H1, MAT133Y1, MAT137Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

FOR420H1 - Green Process Chemistry

Hours: 24L/12T

This course provides an overview of the chemistry of wood and wood materials involving cellulose, hemicellulose, lignin, extractives. It also covers some reaction chemistry associated with these chemical components.

Recommended Preparation: Completion of at least 10 Science FCEs

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

French

Faculty List

University Professor Emeritus

B.T. Fitch, BA, D 3e C (T)

Professor Emeriti

C. Bertrand-Jennings, LsL, Ph D (University of Toronto Scarborough)
 P.A.R. Bouissac, LsL, DES, D Phil (V)
 N. Boursier, DES, CAPES, D 3e C (U)
 D. Clandfield, MA, D 3e C (N)
 P. Collet, AM, Ph D (SM)
 D. de Kerckhove, MA, Ph D (SM)
 L.E. Doucette, BA, Ph D (University of Toronto Scarborough)
 A.G. Falconer, MA, D 3e C (U)
 P. Fitting, MA, Ph D (N)
 C.M. Grisé, MA, Ph D(SM)
 E.A. Heinemann, MA, Ph D (N)
 E.M. Kushner, MA, Ph D (V)
 E. Lehouck, AGR ESS, D Phil (U)
 M.M. Léon, LsL, DES, D 3e C (V)
 M. Lord, MA, Ph D (University of Toronto Mississauga)
 P. Martin, IRAL BR, D 3e C, D Sc A (SM)
 N. Maury, LenD, D 3e C (T)
 J.A. McClelland, MA, Ph D (V)
 P.W. Nesselroth, MA, Ph D (U)
 W.A. Oliver, MA, D 3e C (T)
 M. O'Neill-Karch, MA, D U Honoris Causa (WW)
 J. Paterson, MA, Ph D (I)
 P.J.G.O. Perron, BA, D 3e C (U)
 H.G. Schogt, MA, Ph D (U)
 D.W. Smith, BA, Ph D (V)
 R.A. Taylor, MA, Ph D (V)
 C.D.E. Tolton, AM, Ph D (I, V)
 T.R. Wooldridge, BA, D 3e C (T)

Professor and Chair of the Department

A. Tcheuyap, MA, Ph D (SM)

Associate Chair, Graduate Studies

M. Pirvulescu, MA, Ph D (University of Toronto Mississauga)

Associate Chair, Undergraduate Studies

M.-A. Visoi, MA, Ph D (SM)

Professors

C. Elkabas, MA, Ph D (University of Toronto Mississauga)
 J. LeBlanc, MA, Ph D (V)
 R.J. Le Huenen, LsL, DES, D Phil (V)
 P. Michelucci, MA, Ph D (University of Toronto Mississauga)
 Y. Roberge, MA, Ph D (SM)
 A. Tcheuyap, MA, Ph D (SM)

Associate Professors

A.-M. Brousseau, MA, Ph D (SM)
 J. Cahill, MA, Ph D (I)
 B. Havercroft, MA, Ph D (V)
 G. Holtz, MA, D 3e C (V)
 D. Kullmann, MA, Ph D (SM)
 S. Mittler, MA, Ph D (University of Toronto Scarborough)
 A. Motsch, MA, Ph D (V)
 J. Ndayiragije, MA, Ph D (University of Toronto Scarborough)
 E. Nikiema, MA, Ph D (University of Toronto Mississauga)
 M. Pirvulescu, MA, Ph D (University of Toronto Mississauga)
 P. Riendeau, MA, Ph D (University of Toronto Scarborough)
 J. Steele, MA, Ph D (SM)

Associate Professors, Teaching Stream

C. Beauquis, MA, Ph D (University of Toronto Scarborough)
 J. English, MA, Ph D (University of Toronto Scarborough)
 C. Evans, MA, Ph D (University of Toronto Mississauga)
 K. McCrindle, MA, Ph D (University of Toronto Scarborough)
 F. Mugnier-Manfredi, MA, Ph D (University of Toronto Scarborough)
 Emerita
 G. Paray, MA, Ph D (SM)
 S. Sacré, MA, Ph D (SM)
 M. Tsimenis, MA, Ph D (University of Toronto Scarborough)
 M.-A. Visoi, MA, Ph D (SM)

Assistant Professors

S. Drouin, MA, Ph D (University of Toronto Scarborough)
 F. Hamlaoui, MA, Ph D (SM)
 L. Kastronic, MA, Ph D (OH)
 M.-P. Lory, L ès L., M ès L., Ph D (University of Toronto Mississauga)
 P. Thériault, MA, Ph D (SM)

Assistant Professors, Teaching Stream

M. Friesner, MA, Ph D (SM)
 R. Hong, MA, Ph D (University of Toronto Mississauga)

Lecturers

P. Bessler, MA, Ph D (OH)

Introduction

French is not only one of the official languages of Canada: it is also one of the world's major international languages. Courses in French studies provide a varied, flexible, and in-depth examination of the French language and the multitude of cultures that it serves. The skills and knowledge acquired will lay the groundwork for careers in teaching, journalism, translation, publishing, and government service as well as research in a variety of fields. In the Canadian job market, command of the French language is a definite asset. The Department offers students an integrated curriculum, which brings together courses in language, linguistics, literature, and French culture. Unless specified otherwise, the language of instruction of all courses is French.

Overview of French Programs

The Department offers two specialists (French Language and French Linguistics, French Language and Literature), three majors (French Language Learning, French Language and French Linguistics, French Language and Literature) and three minors (French Language, French Studies, Practical French).

Majors

French Language Learning (FRE): The 200-level mandatory course FRE 226H1 introduces students to strategies and tools for autonomous learning of French. Courses at the 300 and 400 levels build on knowledge and skills first introduced in FRE 226H and provide students with more analytical approaches to French language learning, in its both synchronic structure and historical evolution. They encourage students to learn about the richness of culture across the French-speaking world and improve writing skills for subsequent advanced study.

What can I do with a program in French Language Learning? Career paths include:

- provincial and federal government civil service
- language teaching

- media, public relations, journalism, publishing, editing, copywriting, technical writing
- bilingual customer service

Linguistics (FRE): 200-level mandatory courses initiate students into the analysis of contemporary French and its historical development. 300-level courses break the discipline of linguistic analysis into its chief component parts. 400-level courses initiate students to research in a variety of areas including formal linguistics, bilingualism, second language acquisition, and language contact.

What can I do with a program in French Linguistics? Possible career paths include:

- provincial and federal government civil service
- health professions such as speech pathology, speech therapy, audiology
- language teaching
- computer applications in speech & text recognition, programming
- media, public relations, journalism, publishing, editing, copywriting, technical writing
- bilingual customer service

Literature (FRE): 200-level mandatory courses introduce students to concepts, methodologies, and critical tools elaborated vis-à-vis further literature and theory and that serve as the framework for other literature courses dedicated to the history of French literature and its cultural and social contexts. 300-level courses encourage students to explore sophisticated primary and secondary sources from disciplinary and interdisciplinary perspectives. 400-level courses initiate students to research. The actual content of most 400-level courses varies considerably according to the instructor. Students should consult the French Studies Undergraduate brochure (www.french.utoronto.ca/undergraduate) for content specific to a given year.

What can I do with a program in French Literature? Possible career paths include:

- provincial and federal government civil service
- language teaching
- media, public relations, journalism, publishing, editing, copywriting
- library and information sciences
- foreign services/affairs, international development
- bilingual customer service

Minors

French Language and Practical French: The French language program is designed to accommodate the widest range of previous learning experiences and particular interests of students. Emphasis is placed on both written and spoken language; at higher levels, half-courses allow for specialized study of one or the other.

What can I do with a program in French language? Career paths include:

- provincial and federal government civil service including as a bilingual immigration or customs officer
- private sector positions as a bilingual customer service agent or flight attendant

Students enrolled in two or more French programs are allowed to double-count only 1.0FCE towards their French programs.

Important policies re French as a Second Language (FSL) courses

The following policies must be respected when registering for French courses. Failure to do so may result in students being automatically withdrawn by the Department from the course in which they are registered:

1) Determining the appropriate level of your first French course:

The Department places students in the language course appropriate to their level of linguistic competence based on the results of its Placement Test. Given that 100, 200, 300 and 400-level FSL courses correspond to levels of competence in French and not to years of study, a student may be recommended to enroll in a course at a higher level than his/her year of study. The Placement Test, available at www.lang.utoronto.ca/placement/french, is mandatory for all students who wish to register in an FRE or FSL course for the first time (except true beginners with no knowledge of French who may enroll directly in FSL100H1). The Test can be taken only **ONCE** and the results of the first test will prevail in the event of multiple attempts. Ideally, the Placement Test should be taken in the term preceding the one in which students wish to register in (e.g., for a course starting in September, students should take the Placement Test in the summer term, prior to their registration date on ACORN and before the beginning of classes). Please allow three to five working days to obtain your test results. Self-placement is not allowed in the Department of French. The administration reserves the right to conduct an additional test if in doubt about a student's undeclared proficiency in French.

2) Sequencing: Students are reminded that they must take FSL courses in the appropriate sequencing (100>200>300>400). In particular,

- If placed at a higher level than FSL221Y1 by the Placement Test, students registered in a major programme must take FSL271H1 before any FSL300 or 400-level course.

3) Auditing: No auditing is allowed in FSL courses.

Study Elsewhere Programs

For more information, please go to <https://www.french.utoronto.ca/undergraduate-program/study-elsewhere> or email: french.elsewhere@utoronto.ca

Quebec, France and Belgium

Students who have completed at least one year of full-time studies and wish to study abroad for one or two semesters should contact the University of Toronto Centre for International Experience Office, or consult their website. Students may request credit for a course offered by the Department of French, subject to the general rules for eligibility.

Third Year Study Elsewhere: In order to be permitted to participate in this program, a student must satisfy the following requirements: have 1) an overall average of at least 70% in courses completed in second year; and 2) an average of 70% in at least two French (FRE) courses required in a Major or Specialist program.

Transfer Credits

• For FSL Courses:

Students may apply for transfer credits for language courses taken

at any accredited or degree-granting university in Canada or abroad; this is done through the Office of the Faculty Registrar. In order to be recommended for transfer credits, students should arrange, before returning to Toronto, for the university in which the course(s) were taken to send an official transcript of their results directly to the Office of the Faculty Registrar.

As soon as possible upon their return from the program, students who wish to obtain a transfer credit are required to book an appointment to take the placement test at the Department of French. They should call 416 926 2302 or email french.secretary@utoronto.ca. They must qualify for entry in the next language course above the level of the one for which they desire the credit. Students must enroll in the course recommended by the placement test results. No self-placement is allowed.

• For FRE Courses:

Transfer credits for studies in areas other than language may be requested directly upon return through the Office of the Faculty Registrar and will be processed in the normal way. It is recommended that a Letter of Permission and pre-approval of proposed courses be requested through the Office of the Faculty Registrar well in advance of departure from Toronto. Students are reminded that only courses taken at accredited universities or degree-granting institutions will be considered for credit.

Exclusions and prerequisites: Students must abide by all requirements stated in the exclusions and prerequisites to register in a course. Students who do not have the prerequisites for a given course must obtain the permission of the Department prior to registration. The Department will assess the students' admissibility to the course in consultation with the instructor. For FSL courses, exclusions ensure that students follow the best progression in language learning.

Further Information: The French Studies Undergraduate Brochure, available online at www.french.utoronto.ca/undergraduate, contains more detailed information concerning the courses and programs listed below.

Associate Chair, Undergraduate: Room 227, Odette Hall, 50 St. Joseph St., 416-926-2312; french.undergradchair@utoronto.ca

Undergraduate Counsellor: Room 226, Odette Hall, 50 St. Joseph st., 416-926-2333, french.undergraduate@utoronto.ca

General Enquiries: Room 210, Odette Hall, 50 St. Joseph St., 416-926-2302, french.secretary@utoronto.ca

French Programs

French Language and French Linguistics Specialist (Arts Program) - ASSPE0525

Enrolment Requirements:

This program has no specific admission requirements. All students who have completed at least 4.0 full-course equivalents are eligible to enrol.

Completion Requirements:

(10 full courses or their equivalent):

1) FSL221Y1 (63%). Students not placed in FSL221Y1 or higher by the Placement test must first complete FSL121Y1 before starting this program. Students exempted from FSL221Y1 must replace it with FSL271H1 and any FSL or FRE half-course. FSL271H1 must be completed before enrolling in any higher-level FSL course.

2) FSL321Y1 (Students exempted from this course may replace it with any FRE course); FRE272H1, FRE273H1, FRE274H1; FRE210H1, FRE245H1.

3) FRE376H1, FRE378H1, FRE386H1, and FRE387H1; FRE383H1, FRE379H1, and JFG388H1.

4) 2.0 full-course equivalents from among 400-level French linguistics courses (FRE486H1, FRE487H1, FRE488H1, FRE489H1, FRE490Y1, FRE491H1, FRE492H1).

French Language and Literature Specialist (Arts Program) - ASSPE1295

Enrolment Requirements:

This program has no specific admission requirements. All students who have completed at least 4.0 full-course equivalents are eligible to enrol.

Completion Requirements:

(10 full courses or their equivalent):

1) FSL221Y1 (63%). Students not placed in FSL221Y1 or higher by the Placement test must first complete FSL121Y1 before starting this program. Students exempted from FSL221Y1 may replace it with any FRE200+ or FRE300+ level course.

2) FSL321Y1. Students exempted from FSL321Y1 may replace it with two FRE half-courses at the 300+ level; FRE210H1, FRE245H1, FRE246H1, FRE272H1, FRE273H1.

3) 1.0 full-course equivalent from Group 1 – *Literary History* (FRE318H1, FRE319H1, FRE320H1, FRE324H1, FRE326H1, FRE344H1); 1.0 full-course equivalent from Group 2 – *Genres and Gender* (FRE304H1, FRE310H1, FRE345H1); 1.0 full-course equivalent from Group 3 – *Quebec and Francophone Literatures* (FRE314H1, FRE332H1, FRE334H1, FRE336H1, SLA263H1)

4) FSL442H1, FSL443H1; 1.5 full-course equivalent in from among 400-level FRE literature courses (FRE410H1, FRE438H1, FRE441H1, FRE443H1, FRE446H1)

French Language and French Linguistics Major (Arts Program) - ASMAJ0525

Enrolment Requirements:

This program has no specific admission requirements. All students who have completed at least 4.0 full-course equivalents are eligible to enrol.

Completion Requirements:

(7 full courses or their equivalent):

- 1) FSL221Y1 (63%). Students not placed in FSL221Y1 or higher by the Placement test must first complete FSL121Y1 before starting this program. Students exempted from this course must replace it with FSL271H1 and any FSL or FRE half-course. FSL271H1 must be completed before enrolling in any higher-level FSL course.
- 2) FRE272H1, FRE273H1, FRE274H1; 0.5 full-course equivalent among FRE210H1/ FRE245H1; FSL321Y1 (Students exempted from this course may replace it with any FRE course).
- 3) FRE376H1, FRE378H1, FRE383H1 and FRE379H1/ JFG388H1.
- 4) 1.0 full course equivalent from among 400-level French linguistics courses (FRE486H1, FRE487H1, FRE488H1, FRE489H1, FRE490Y1, FRE491H1, FRE492H1).

French Language and Literature Major (Arts Program) - ASMAJ1295

Enrolment Requirements:

This program has no specific admission requirements. All students who have completed at least 4.0 full-course equivalents are eligible to enrol.

Completion Requirements:

(7 full courses or their equivalent)

- 1) FSL221Y1 (63%). Students not placed in FSL221Y1 or higher by the Placement test must first complete FSL121Y1 before starting this program. Students exempted from FSL221Y1 may replace it with any FRE 200+ or 300+ level course.
- 2) FRE210H1, FRE245H1, FRE246H1, FRE272H1, FSL321Y1. Students exempted from FSL321Y1 may replace it with two FRE half-courses at the 300+ level.
- 3) One half-course from each of the following three groups as well as 0.5 FCE of the student's choice from any group (2.0 FCE in total): Group 1 – *Literary History* (FRE318H1, FRE319H1, FRE320H1, FRE324H1, FRE326H1, FRE344H1); Group 2 – *Genres and Gender* (FRE304H1, FRE310H1, FRE345H1); Group 3 – *Quebec and Francophone Literatures* (FRE314H1, FRE332H1, FRE334H1, FRE336H1, SLA263H1).

4) 1.0 full-course equivalent in FRE literature courses at the 400 level (FRE410H1, FRE438H1, FRE441H1, FRE443H1, FRE446H1)

French Language Learning Major (Arts Program) - ASMAJ0120

Enrolment Requirements:

This program has no specific admission requirements. All students who have completed at least 4.0 full-course equivalents are eligible to enrol.

Completion Requirements:

(7 full courses or their equivalent including at least 1.5 F.C.E.s FRE courses at the 300+ level)

- 1) FSL221Y1 (63%). (Students not placed in FSL221Y1 or higher by the Placement test must first complete FSL121Y1 before starting this program. Students exempted from FSL221Y1 must replace it with FSL271H1 and any FSL or FRE half-course. FSL271H1 must be completed before enrolling in any higher-level FSL course).
- 2) FRE226H1, FRE272H1, FRE273H1, FSL321Y1 (Students exempted from FSL321Y1 must replace it with 1.0 FCE from the following FRE courses: FRE210H1, FRE245H1, FRE246H1, FRE274H1).
- 3) FRE383H1, FRE379H1, JFG388H1, FSL421Y1.
- 4) FSL442H1, FSL443H1.

French Studies Minor (Arts Program) - ASMIN1135

Enrolment Requirements:

This program has no specific admission requirements. All students who have completed at least 4.0 full-course equivalents are eligible to enrol.

Completion Requirements:

(4 full courses or their equivalent)

- 1) FSL221Y1 (Students not placed in FSL221Y1 or higher by the Placement test must first complete FSL121Y1 before starting this program. Students exempted from FSL221Y1 must replace it with FSL271H1 and any FRE half-course)
- 2) Three FRE courses at the 200+ level including one full course equivalent at the 300/400-level

Minor in French Language (Arts Program) - ASMIN0120

Enrolment Requirements:

This program has no specific admission requirements. All students who have completed at least 4.0 full-course equivalents are eligible to enrol.

Completion Requirements:

(4 full-courses or their equivalent)

1) FSL121Y1

2) FSL221Y1 (63%)

3) FSL321Y1

4) FSL421Y1/1.0 FCE in 200-level FRE courses (FRE210H1, FRE226H1, FRE245H1, FRE246H1, FRE272H1, FRE273H1, FRE274H1)

Minor in Practical French (Arts Program) - ASMIN0556

Enrolment Requirements:

This program has no specific admission requirements. All students who have completed at least 4.0 full-course equivalents are eligible to enrol.

Completion Requirements:

(4 full courses or their equivalent)

1) FSL221Y1 (63%). Students exempted from this course must replace it with FRE245H1/ FRE272H1 and any half-course listed immediately below.

2) 1.0 full course equivalent among the following: FSL312H1, FSL313H1, FSL314H1, FSL315H1.

3) FSL375Y1.

4) FSL472H1 + FSL473H1

Please note that FSL312H1, FSL313H1, FSL314H1 and FSL315H1 can be taken concurrently but must be completed before enrolling in FSL375Y1.

Students enrolled in two or more French programs are allowed to double-count only 1.0FCE towards their French programs.

Faculty of Arts & Science Language Citation

The Department of French participates in the Faculty of Arts and Science's Language Citation initiative for French.

In order to receive a language citation in French Studies, students should have completed two FCE (Full Course Equivalents) FSL courses at the 300+ level or two FCE FRE courses at the 200+ level with a minimum grade of B- in each course. Please note that a combination of both FRE and FSL courses cannot qualify for the citation.

Students should note that, as explained in this Calendar, the Language Citation is not equivalent to an academic program and

that enrolment in a program is not necessary in order to earn the recognition bestowed by the Citation.

French Courses

FSL100H1 - French for Beginners

Hours: 24L/12T

An intensive basic course in spoken and written French for students who have no knowledge of French: comprehension, speaking, reading, and writing.

Exclusion: FSL102H1 and higher.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FSL102H1 - Introductory French

Hours: 24L/12T

An intensive basic course in spoken and written French for students who have studied some French, but who have not yet attained the entry level for FSL121Y1.

Prerequisite: FSL100H1 or, upon first FRE/FSL enrolment, equivalent as determined by the French Placement Test.

Exclusion: FSL121Y1 and higher.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FSL121Y1 - French Language I

Hours: 48L/48T

Intended for students having some knowledge of French but wishing to increase their proficiency to that of normal University entrance. Offers training in written and spoken French; reinforcement of reading comprehension and aural abilities; and an introduction to French-Canadian and Québécois cultures.

Prerequisite: FSL102H1, or, upon first FRE/FSL enrolment, equivalent as determined by the French Placement Test.

Exclusion: FSL221Y1 and higher.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FCS195H1 - French Culture from Napoleon to Asterix

Hours: 24L

A multi-media course, analyzing the contributions the French have made to world culture in such domains as architecture, art, literature, and music, as well as some of the implications of the appropriation of French cultural icons by big business and the media.

Prerequisite: None

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FCS198H1 - Dreaming of Future Worlds: The Making of Modernity in 19th-Century France

Hours: 24L

This interdisciplinary course will analyze the different forms of the imagination of future and the debates between different conceptions of modernity in 19th-century France. From different perspectives, the students will be invited to reflect on the role of utopian imagination, on the emergence of social sciences, and on the force of the philosophies of progress. The course will be held in English. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

FCS196H1 - Exploring Linguistic Variation in Spoken French

Hours: 24S

"R texting n tweeting like" ruining the language? Do young people speak differently than older people? Are teenagers causing language change? How do we adapt the way we speak in certain situations? Are some varieties of French better than others? In this practical introduction to variationist sociolinguistics, we will investigate these and similar questions through the analysis of linguistic variation and change in multiple varieties of French. No knowledge of French is necessary. The course will be held in English. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

FCS199H1 - Francophone Indigenous Voices from Quebec

Hours: 24S

This course will explore Indigenous arts and literature from Quebec, from 1975 until present day. We will examine the ways in which these contemporary francophone artists re-write colonial histories, assert Indigenous cultural sovereignty, make place for Indigenous languages, and represent positive interpersonal relationships. The course will draw from a variety of literary genres (poetry, short story, essay, autobiography, historical fiction) as well as visual art and cinema. In addition, the works considered will be by artists from diverse nations (Wendat, Cri, Innu, Algonquin, Métis). In these ways, students will come to understand the many diverse forms of the contemporary Indigenous "renaissance." The course will be held in English. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

FCS197H1 - Pleasure, Pain and Nostalgia in Belle Époque

Hours: 24L

This course will explore ideas and cultural representations of 19th century France through examples from art, philosophy, and literature with an emphasis on the critical discussion of two literary narratives that challenged tradition and authority: Flaubert's "Madame Bovary" and Maupassant's "Bel-Ami". The course will be held in English. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FRE210H1 - Introduction to Quebec Literature and Culture

Hours: 36L

An introduction to various aspects of Québec literature and culture through the study of literary texts, cinema, and artistic productions, and their role in the evolution of a distinct Québec society. The course also familiarizes students with important socio-cultural and political events, which participated in the evolution of Québec society and provide a better understanding of Québec literature.

Prerequisite: FSL221Y1 or, upon first FRE/FSL enrolment, equivalent as determined by the French Placement Test

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FSL221Y1 - French Language II

Hours: 48L/48T

Intended for those who have some knowledge of French, this course is the first in a proficiency-sequenced series that provides students with the opportunity to become proficient, focused, autonomous French language learners. Adopting a principally actional approach to second language learning targeting Level A2 objectives of the Common European Framework of Reference for Languages (CEFR), the course's main objective is to provide a communicative learning environment through activities based in real-world, everyday contexts.

Prerequisite: FSL121Y1 or, upon first FRE/FSL enrolment, equivalent as determined by the French Placement Test.

Exclusion: Any FSL 300-level course and higher

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FRE245H1 - Introduction to French Cultural and Literary Studies

Previous Course Number: FRE240H1

Hours: 36L/12T

This course is a practical introduction to concepts, methods and problems of literary analysis as well as an overview of French artistic culture. Using elements of comparison from fine arts, contemporary and popular culture (including novels and movies) and a variety of emblematic works of French and Francophone literatures (among others: essays by Voltaire, Montesquieu and Simone de Beauvoir; poems by Ronsard, Hugo, Baudelaire and Césaire; excerpts from novels by George Sand, Albert Camus and Patrick Chamoiseau), its objective is to provide students with a practical introduction to the tools of literary analysis, but also to help them better read, understand and appreciate literary texts.

Prerequisite: FSL221Y1 or, upon first FRE/FSL enrolment, equivalent as determined by the French Placement Test.

Exclusion: FRE240H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FRE226H1 - Tools and Strategies for Learners of French

Hours: 36L/12T

This course provides learners with an understanding of how one best acquires French as a second or third language including tools and strategies that allow for effective, autonomous learning. Students will first learn about the types of knowledge and sub-skills that must be acquired to master French including vocabulary and grammar as well as the four main competences (reading, writing, listening, and speaking). They will then receive practical training in the use of online resources including French language corpora and automatic assessment tools.

Prerequisite: FSL221Y1 or, upon first FRE/FSL enrolment, equivalent as determined by the French Placement Test.

Exclusion: FRE225Y1, any FSL 300+ courses and higher.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

FRE246H1 - Introduction to French Literary Analysis

Previous Course Number: FRE241H1

Hours: 36L

This course provides a general introduction to French and francophone literature of different genres and periods. Special emphasis will be placed on concepts, methods, and problems of literary analysis with the goal of helping students to improve their ability to write literary essays. Among the questions to be explored are: *What are the rules and conventions of scholarly writing? How does one develop and structure arguments to ensure that a paper is well organized? How are rhetorical devices analyzed? When and how should bibliographical references be inserted?*

Prerequisite: FRE240H1/ FRE245H1

Exclusion: FRE241H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FSL271H1 - French Grammar, within Reason**Hours:** 36L

An introduction to basic concepts of the French grammar from an analytic and descriptive point of view. Exploration of traditional grammar concepts such as subject, predicate, complement. This course provides understanding of the logic that is often hidden by the apparent complexity of grammatical rules.

Prerequisite: FSL121Y1 or, upon first FRE/FSL enrolment, equivalent as determined by the French Placement Test

Exclusion: Any FSL 300-level course and higher.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FRE274H1 - Introduction to the Linguistic Analysis of French**Hours:** 24L/12T

An analytical study of contemporary French phonetics and phonology, morphology, syntax and semantics. This course is designed to prepare students for more advanced study of French linguistics at the 300 and 400 levels.

Prerequisite: FRE272H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

FRE272H1 - The French Language: A Linguistic Introduction**Hours:** 24L/12T

A general introduction to the structure of French language, from a linguistic perspective. Students will become acquainted with the various components of the language (sound, meaning, word formation, sentence structure) through detailed description and basic analysis of Canadian and European varieties of French. Students will also be introduced to the study of French in the context of bilingualism (second language acquisition, sociolinguistics). **This course is mandatory in all specialist and major programs.**

Prerequisite: FSL221Y1 or, upon first FRE/FSL enrolment, equivalent as determined by the French Placement Test

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

FCS290H1 - Special Topics in French Cultural Studies I**Hours:** 24L

The relation of French popular culture to society. For more information, see

http://www.french.utoronto.ca/undergraduate/courses/french_cultural_studies.

Prerequisite: None

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FCS291H1 - Special Topics in French Cultural Studies I**Hours:** 24L

The relation of French popular culture to society. Please go to the French Department website

http://www.french.utoronto.ca/undergraduate/courses/french_cultural_studies for the course description.

Prerequisite: None

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

FRE273H1 - Introduction to the History of the French Language**Hours:** 36L

A discovery of a long and fascinating history, stretching from the spoken Latin of the Gauls to the many varieties of French found today all over the world via the investigation of the social, political, and cultural causes of language change. Our focus includes topics such as medieval bilingualism, the regulation of language through the Académie française, the political use of the French language, the emergence of the Francophonie and modern Canadian French.

Prerequisite: FSL221Y1 or, upon first FRE/FSL enrolment, equivalent as determined by the French Placement Test.

Recommended Preparation: FRE272H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

FCS292H1 - Special Topics in French Cultural Studies I

Hours: 24L

The relation of French popular culture to society. For more information, see http://www.french.utoronto.ca/undergraduate/courses/french_cultural_studies

Prerequisite: None

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FRE310H1 - Relations between Text and Other Media

Hours: 24L

Literary texts and other forms of media (photographs, cinematographic images, paintings) have been associated in a fascinating relation in hundreds of works of French literature. An exploration of this inextricable weaving together of verbal and visual experiences as it pertains to literature through the study of interdisciplinary theoretical texts focused on photography, painting, and cinema.

Prerequisite: FRE240H1/ FRE245H1

Recommended Preparation: FRE241H1/ FRE246H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FRE299Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option. Course does not count towards any program in French.

Distribution Requirements: Humanities

FSL312H1 - Writing French: the Language of the Media

Previous Course Number: FSL362H1

Hours: 36L

Using current online French media, broaden your understanding of the French language; deepen your grammatical knowledge; expand your vocabulary (including idioms); review key aspects of French syntax; and fine-tune your reading skills in French. Weekly reading and writing workshops are an integral part of this course.

Prerequisite: FSL221Y1 (63%) or, upon first FRE/FSL enrolment equivalent as determined by the French Placement Test.

Exclusion: FSL321Y1 and higher

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FSL313H1 - French for the Workplace

Previous Course Number: FSL363H1

Hours: 36L

This course is designed to enhance students' existing knowledge of French by giving them a theoretical as well as a practical foundation in the use of French language in the workplace. Special emphasis will be placed on the appropriate vocabulary used within the context of communication in the Francophone workplace. Students will learn how to communicate in a variety of professional contexts as well as how to distinguish between the formal and informal styles of French suitable for diverse situations in the workplace. This course also aims to help students acquire intercultural skills needed in the Francophone workplace.

Prerequisite: FSL221Y1 (63%) or, upon first FRE/FSL, enrolment equivalent as determined by the French Placement Test

Exclusion: Any FSL 300-level course and higher

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FCS310Y1 - French Cinema

Hours: 48L/48P

Cinema in France with emphasis on theory and practical criticism, on auteurs and movements such as the avant-garde of the twenties and the New Wave of the late fifties. Films shown are subtitled.

Prerequisite: At least 5 course credits in any subject

Recommended Preparation: INI115Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FRE314H1 - Quebec and French-Canadian Literature

Hours: 24L

Literature of the 20th and 21st centuries speaks of contesting social and literary figures of authority, of challenging traditional literary structures, and of accentuating creativity and subjectivity. An exploration of the thematic and formal structures that challenge traditional forms of thinking and writing in contemporary literature from Québec and other French-speaking parts of Canada.

Prerequisite: FRE240H1/ FRE245H1

Recommended Preparation: FRE241H1/ FRE246H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

FSL314H1 - French for the Arts

Previous Course Number: FSL364H1

Hours: 36L

Introduction to the study of central themes in French artistic expression, designed to familiarize students with key concepts and vocabularies relevant to the subject. Study of modes of artistic representation, (visual, performing arts) and their contribution to the rich heritage and identity of French culture. Observation, description and analysis of various artistic mediums.

Prerequisite: FSL221Y1 (63%) or, upon first FRE/FSL enrolment equivalent as determined by the French Placement Test

Exclusion: FSL321Y1 and higher

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FSL315H1 - French Oral Communication for Professional and Academic Contexts

Hours: 36L

This course is designed for students who wish to develop their oral communication skills in French in preparation for bilingual employment, community service, and academic activities in Canada and abroad. Emphasis is placed on the development of skills for accurate oral language use in professional and academic contexts: researched oral presentations, debates, interviews, and student-led discussions. Students will learn how to adapt their speaking style and register to different audiences and situations, use appropriate vocabulary, and self-correct.

Prerequisite: FSL221Y1 (63%) or, upon first FRE/FSL, enrolment equivalent as determined by the French Placement Test

Exclusion: FSL321Y1 and higher. Not open to fluent and native speakers of French.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FRE318H1 - Medieval French Literature

Hours: 24L

Religious fervour, chivalry, romance and ribald humour, heroic deeds, marvellous adventures, and exotic travels as found in selected texts from the French Middle Ages. Readings in modern French translations with appropriate reference to the original language.

Prerequisite: FRE240H1/ FRE245H1

Recommended Preparation: FRE241H1/ FRE246H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FRE319H1 - Laughter and Thought in French Renaissance Literature

Hours: 24L

An overview of the fascinating literary diversity, prose, theatre and poetry essential to the changing humanistic discourse of the French Renaissance and Baroque periods. The underscoring of important historical events - Reformation, Great Discoveries, Printing - to explain the philosophical and literary values produced by such violent times.

Prerequisite: FRE240H1/ FRE245H1

Recommended Preparation: FRE241H1/ FRE246H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FRE320H1 - French Literature of Classicism and Enlightenment

Hours: 24L

An introduction to French literature between Classicism and the French Revolution with particular emphasis on its relationship to philosophical, cultural, and political movements of the Enlightenment, providing historical depth to philosophical and socio-political foundations of today's life. A privileged access to, and critique of, modernity in the postmodern age.

Prerequisite: FRE240H1/ FRE245H1

Recommended Preparation: FRE241H1/ FRE246H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FSL321Y1 - French Language III

Hours: 48L/24T

The course is intended for students who have already mastered the basic competences in French language proficiency. The textbook used in this course will follow the B1 level of the Common European Framework of Reference for Languages (CEFR) in its active approach which puts emphasis on the student being at the centre of the learning process. Students will learn the following intermediate-level language skills: writing, speaking as well as understanding written and spoken French.

Prerequisite: FSL221Y1 (63%) or, upon first FRE/FSL enrolment, equivalent as determined by the French Placement Test

Exclusion: FSL375Y1 and higher. May not be taken concurrently with any FSL31*H1 series courses.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FRE332H1 - Francophone Literatures

Hours: 24L

A comprehensive introduction to Francophone literatures and cultures, examining the linguistic, aesthetic, and discursive specificities as represented by authors of the Francophone world. Focus on the concepts of colonialism, representation, alienation, emigration, and nationalism.

Prerequisite: FRE240H1/ FRE245H1

Recommended Preparation: FRE241H1/ FRE246H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FRE334H1 - Francophone Cinema

Hours: 24L

Through films from across the spectrum of the Francophone world, a study of the diversity of the French colonial empire as well as the different aesthetic, historical, and cultural effects of colonialism and post-independence experience on various cinematic representations.

Prerequisite: FRE240H1/ FRE245H1

Recommended Preparation: FRE241H1/ FRE246H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FRE336H1 - Postcolonialism: Francophone Literatures

Hours: 24L

The fundamentals of postcolonial theories, with emphasis on how they relate to the Francophone world. The dialogue between fiction and theory, as well as the modalities of a coherent Francophone postcolonial identity in a global world.

Prerequisite: FRE240H1/ FRE245H1

Recommended Preparation: FRE241H1/ FRE246H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

FRE326H1 - Contemporary French Literature

Hours: 24L

Characterized by experimentation and the crisis of representation, French literature of the 20th and 21st centuries has undergone numerous transformations in form, content, and generic boundaries. A study of these literary movements, trends, and transgressions in poetry, prose, and theatre.

Prerequisite: FRE240H1/ FRE245H1

Recommended Preparation: FRE241H1/ FRE246H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FRE344H1 - Literary Theory**Hours:** 24L

An introduction to literary theory through the study of particular theories underlying specific approaches to the literary text. Concepts and problems central to literary theory, and the writings of major critics and theoreticians.

Prerequisite: FRE240H1/ FRE245H1**Recommended Preparation:** FRE241H1/ FRE246H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FRE345H1 - Literary Genres****Hours:** 24L

Survey of the main literary genres and analysis of their features, with in-depth study of two of the genres: narrative (epic poem, novel, short narrative), lyric poetry, drama (tragedy, comedy, farce, mystery play), essay. Readings of selected texts, chosen for their representative potential and their historical relevance.

Prerequisite: FRE240H1/ FRE245H1**Recommended Preparation:** FRE241H1/ FRE246H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FCS369Y0 - The Culture of Touraine****Hours:** 48L

This course will offer a unique opportunity to study the culture of the Touraine region while living an experience of complete immersion in Tours, a city located in the Loire Valley, a UNESCO World Heritage Site and the seat of power of the French monarchy until the 17th Century. Not eligible for CR/NCR option. (Not offered in Summer 2019)

Prerequisite: At least 5 course credits in any subject**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FSL375Y1 - Practical Translation: French - English****Hours:** 72L

This full-year course, which works as an introduction to translation, is designed to improve students' mastery of French through English to French and French to English translations. Emphasis is on the practice of translation of a variety of texts and documents, and on the introduction to the practice of oral interpretation from one language to the other.

Prerequisite: 1.0 FCE in FSL at the 300-level, or any 1.0 FCE in FRE at the 200-level.**Exclusion:** Any FSL 400-level course.**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**FRE376H1 - French Phonology and Phonetics****Hours:** 24L/12T

A study of the phonological and phonetic systems of modern French based on actual samples of speech taken from different regional varieties and socio-economic groups.

Prerequisite: FRE272H1, FRE274H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**FRE378H1 - French Syntax****Hours:** 24L/12T

A study of the distribution and relationships of the syntagmatic components of contemporary French; of sentential structure, including the principles of coordination, subordination and expansion; and of major theoretical approaches.

Prerequisite: FRE272H1 + FRE274H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)

FRE379H1 - Sociolinguistics of French**Hours:** 24L/12T

The relationship between language use and social factors such as socio-economic status, social context and gender of speaker. Theoretical notions are derived through the analysis of specific data, focusing on Canadian French and other varieties spoken in the Americas.

Prerequisite: FRE272H1 + FRE383H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**FRE386H1 - French Semantics****Hours:** 24L/12T

Various approaches to the notion of meaning; its functioning at all levels of representation.

Prerequisite: FRE272H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**FRE387H1 - French Morphology****Hours:** 24L/12T

A study of the morphological system of modern French, its relationship to syntax and phonology; theoretical notions derived from the analysis of specific data.

Prerequisite: FRE272H1 + FRE274H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**JFG388H1 - Bilingualism, Multilingualism, and Second Language Acquisition****Previous Course Number:** FRE388H1**Hours:** 24L/12T

Knowing and speaking more than one language is the everyday norm of people living in much of the world including in multicultural cities like Toronto. Via an in-depth introduction to the cognitive and social underpinnings of bi- and multilingualism including second language acquisition, this course provides answers to questions such as *How do bilinguals/multilinguals differ from monolinguals in the ways that they process and use language? How does acquiring a language as an adult differ from when we are children? How do an individual's language repertoires interact with those of their peers and local community?*

Prerequisite: 4.0 FCE, including 1.0 FCE in language or linguistics courses (e.g. LIN200H1, FRE272H1, ITA360H1, SLA323H1/SLA380H1, SPA322H1).**Exclusion:** FRE388H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**FRE383H1 - Quantitative Methods for the Study of French****Hours:** 24L/12T

An introduction to the foundations of quantitative research on French. Topics include differences between quantitative and qualitative analyses; hypothesis formulation; experimental design; and data collection and analysis including basic statistical methods. Phenomena investigated come from Canadian and European varieties as well as studies of second language learners.

Prerequisite: FRE272H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**FRE384H1 - Teaching French as a Second Language****Hours:** 24L

This course provides an introduction to recent methods and pedagogical materials published in France and Canada. Emphasis is put on the various approaches in teaching French as a Second Language, with reference to theoretical issues and historical background.

Prerequisite: FRE226H1/ FRE225Y1, FRE272H1, FSL321Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

FCS390H1 - Special Topics in French Cultural Studies II

Hours: 24L

Studies on an individual writer or specific area of literature. For more information, see
http://www.french.utoronto.ca/undergraduate/courses/french_cultural_studies

Prerequisite: At least 5 courses in any subject

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FRE398Y0 - Research Excursions

Hours: TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

FRE399Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

FRE410H1 - Advanced Topics in Quebec Literature:

Hours: 24S

An advanced interdisciplinary research seminar devoted to specific issues of Québécois literature and culture. Focus on a literary genre, a particular subject matter, a literary movement, or based on a multidisciplinary approach to cinema, arts, and music. For more information, see
http://www.french.utoronto.ca/undergraduate/courses/french_literature

Prerequisite: FRE240H1/ FRE245H1, FRE241H1/ FRE246H1, FRE344H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FSL415H1 - Professional Communication in French (Oral)

Hours: 36S

This course is designed to strengthen oral communication skills in French and develop intercultural competence for a variety of career paths including public relations, international development, federal and provincial government. Students will acquire expertise in spoken French through in-class activities supported by multimedia: interviews, professional presentations, and debates. The course is not open to fluent or native speakers of French.

Prerequisite: FSL321Y1, FSL315H1

Exclusion: Any FSL 400-level course. Not open to fluent or native speakers of French.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

FCS392H1 - Special Topics in French Cultural Studies II

Hours: 24L

Studies on an individual writer or specific area of literature. The relation of French popular culture to society. For more information, see
http://www.french.utoronto.ca/undergraduate/courses/french_cultural_studies

Prerequisite: At least 5 courses in any subject

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FRE398H0 - Research Excursions

Hours: TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

FSL421Y1 - French Language IV**Hours:** 72L

An advanced course in French including the reading and discussion of texts focussing on the francophone presence and influence in the international context. Emphasis is placed on mastery of complex linguistic skills via use of a variety of reference tools and self-correction.

Prerequisite: FSL321Y1 or, upon first FRE/FSL enrolment, equivalent as determined by the French Placement Test.

Exclusion: FSL442H1, FSL443H1.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FSL442H1 - French Language V: Written French**Hours:** 36L

Designed for students who wish to consolidate and perfect their writing abilities. Skills developed include the mastery of register-based differences; use of rhetorical and stylistic techniques; systematic self-correction; and the advanced use of reference tools including on-line dictionaries.

Prerequisite: FSL421Y1 or, upon first FRE/FSL enrolment, equivalent as determined by the French Placement Test

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FRE438H1 - Advanced Topics in Francophone Literatures**Hours:** 24S

An advanced seminar dedicated to specific issues of the Francophone literature and culture. Focusing on an author, a literary genre, or based on a multidisciplinary approach involving cinema, arts and music, each seminar reflects the professor's current research. For more information, see
http://www.french.utoronto.ca/undergraduate/courses/french_literature

Prerequisite: FRE240H1/ FRE245H1, FRE241H1/ FRE246H1, FRE344H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FRE443H1 - Advanced Topics**Hours:** 24S

An advanced, research-oriented seminar devoted to questions concerning the authors practice, originality, and oeuvre. Production, performance and prominence, characteristic genres, religious and philosophical thought, theoretical reflection on literature, language, and belonging as aspects of the analysis of one single authors body of writing. For more information, see
http://www.french.utoronto.ca/undergraduate/courses/french_literature

Prerequisite: FRE240H1/ FRE245H1, FRE241H1/ FRE246H1, FRE344H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FRE441H1 - Advanced Topics in French Literature**Hours:** 24S

An advanced, research-oriented seminar devoted to specific issues of French literature and culture. Focus on a literary genre, a particular subject or literary movement, or based on a multidisciplinary approach involving cinema, arts, and music. For more information, see

http://www.french.utoronto.ca/undergraduate/courses/french_literature

Prerequisite: FRE240H1/ FRE245H1, FRE241H1/ FRE246H1, FRE344H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FSL443H1 - French Language V: Oral French**Hours:** 36L

Designed for students who wish to consolidate and perfect their speaking abilities. This is accomplished through the preparation of longer oral productions involving a rich vocabulary and contextually-appropriate speech registers. Focus on overall pronunciation including fine phonetic detail and fluency.

Prerequisite: FSL421Y1 or, upon first FRE/FSL enrolment, equivalent as determined by the French Placement Test.

Exclusion: Not open to fluent or native speakers of French.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FRE446H1 - Advanced Studies in Literary Theory

Hours: 24S

An advanced, research-oriented course devoted to specific issues in French literary theory. Focus on particular theoretical concepts, paradigms, schools, trends, movements or major thinkers. For more information, see http://www.french.utoronto.ca/undergraduate/courses/french_literature

Prerequisite: FRE240H1/ FRE245H1, FRE241H1/ FRE246H1, FRE344H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FSL473H1 - Oral French in Context

Hours: 36L

Putting students in diverse speaking and listening situations and contexts, this course is designed for those who wish to consolidate and perfect their speaking and listening abilities and take them to the next level. Focusing on a contextual approach of both oral and aural French and various francophone cultures, this course will focus on various aspects and difficulties that come with speaking and understanding French in real-life situations.

Prerequisite: FSL375Y1

Exclusion: Not open to fluent or native speakers of French.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FRE471H1 - Medieval French Language

Hours: 24S

This course aims to ensure an understanding of Old French, to read most of the medieval texts. From a selection of texts, it explores the form of the language in various centuries and regions and provide a basis for understanding the history of the French language. This course is also listed in the offerings of the Graduate department of French.

Prerequisite: FRE272H1/ FRE273H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FRE483H1 - Teaching French in Context: Language, Culture, and Society

Hours: 24L

The course investigates the relation between language, society, and culture and studies various aspects of French and Francophone civilization, with particular focus on the development and integration of materials for use in the classroom including contemporary texts and audio-visual documents.

Prerequisite: FRE384H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FSL472H1 - Reading and Writing Fiction and Non-Fiction in French

Hours: 36L

An online course designed for students who wish to further develop their reading and writing skills in French. Students will acquire analytic tools to comprehend, analyze and write fiction and non-fiction texts. Multimedia approach to understanding the cultural experiences of francophone world.

Prerequisite: FSL375Y1

Exclusion: FSL 421Y and higher

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FRE485H1 - Teaching Young People's Literature

Hours: 24L

Analysis of bibliographical tools available for the selection of literary materials for the FSL classroom. Study of representative works of interest to young people such as novels, detective stories, cartoons, with special emphasis on socio-cultural aspects. Critical analysis of various pedagogical approaches useful for the Experiential Learning component: students participate in a school internship.

Prerequisite: FRE384H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

FRE486H1 - Special Topics in French Linguistics

Previous Course Number: JFL477H1, JFL478H1

Hours: 24L

An advanced course on a particular topic in the use, acquisition, history or synchronic analysis of French. Please see the French Department website http://www.french.utoronto.ca/undergraduate/courses/french_linguistics for the description of the particular course in a given year

Prerequisite: Will vary depending upon year. Consult department website.

Exclusion: JFL478H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

FRE489H1 - Special Topics in Advanced Linguistics II

Hours: 24S

An advanced seminar on a specific aspect of French linguistics. For more information, see http://www.french.utoronto.ca/undergraduate/courses/french_linguistics.

Prerequisite: Varies according to particular course offering; consult the French Studies Undergraduate brochure (www.french.utoronto.ca/undergraduate) for exact prerequisites

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

FRE490Y1 - Senior Essay

Hours: TBA

A research project on a linguistic, literary, or second language learning topic to be proposed by the student and supervised by a Faculty member, culminating in a major research paper. Not eligible for CR/NCR option.

Prerequisite: Any 300+ FRE Linguistics/Literature/Second Language Learning course. Permission of Department.

Distribution Requirements: Humanities

FRE491H1 - Independent Study

Hours: TBA

A research project on a linguistic, literary, or second language learning topic to be proposed by the student and supervised by a Faculty member on a topic of common interest, including readings, discussions, papers. Not eligible for CR/NCR option.

Prerequisite: Any 300+ FRE Linguistics/Literature/Second Language Learning course. Permission of Department.

Distribution Requirements: Humanities

FRE492H1 - Independent Study

Hours: TBA

A research project on a linguistic, literary, or second language learning topic to be proposed by the student and supervised by a Faculty member on a topic of common interest, including readings, discussions, papers. Not eligible for CR/NCR option.

Prerequisite: Any 300+ FRE Linguistics/Literature/Second Language Learning course. Permission of Department.

Distribution Requirements: Humanities

FRE487H1 - Advanced Topics in Bilingualism and L2 acquisition

Hours: 24S

This course examines how adult learners acquire segmental and prosodic aspects of French phonetics and phonology in both perception and production. It also provides in-depth, practical training in methodological design and quantitative analysis culminating in students' undertaking of individual experimental studies.

Prerequisite: FRE376H1 + FRE378H1 + FRE383H1 + FRE388H1/JFG388H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

FRE488H1 - Special Topics in Advanced Linguistics I

Hours: 24S

An advanced seminar on a specific aspect of French linguistics. For more information, see http://www.french.utoronto.ca/undergraduate/courses/french_linguistics.

Prerequisite: Varies according to particular course offering; consult the French Studies Undergraduate brochure (www.french.utoronto.ca/undergraduate) for exact prerequisites.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

Geography and Planning

Faculty List

Professors Emeriti

L.S. Bourne, MA, Ph D, FRSC, DES Hons
 J.N.H. Britton, MA, Ph D
 R.B. Bryan, BA, Ph D
 I. Burton, Ph D, FRSC
 A.J. Dakin, Ph D, ARIBA, FRTPI
 J.H. Galloway, MA, Ph D (V)
 E.C. Relph, M Phil, Ph D
 S.T. Rowleis, M Sc (Pl), Ph D (I)
 J.W. Simmons, MA, Ph D
 A. Waterhouse, M Sc (Pl), Ph D

Associate Professor Emeritus

A. M. Davis, Ph D

Associate Professor and Chair of the Department

R.J. DiFrancesco, MA, Ph D

Professor and Graduate Chair

R. Buliung, MA, Ph D

Associate Professor and Undergraduate Chair

M. Farish, BA, Ph D

Professors

J.M. Chen, B Sc, Ph D, FRSC
 A.G. Daniere, MPP, Ph D
 J.R. Desloges, M Sc, Ph D
 M.S. Gertler, MCP, Ph D, FRSC
 J. Hackworth, MA, MEP, Ph D
 L.D.D. Harvey, M Sc, Ph D
 D. Leslie, MA, Ph D
 R. Lewis, MA, Ph D
 W.S. Prudham, MA, Ph D
 K.N. Rankin, MRP, Ph D
 S. Ruddick, MA, Ph D
 R. Silvey, MA, Ph D
 T. Smith, M Sc, Ph D

Associate Professors

C. Abizaid, MA, Ph D
 A. Boland, MAIS, Ph D
 D. Cowen, MScPl, Ph D
 E. Gilbert, MA, Ph D
 K. Goonewardena, M Pl, Ph D
 P. Hess, MEP, Ph D
 V. Maclarens, MPI, MS, Ph D
 M. Siemiatycki, M Sc, Ph D
 N. Singh, MFM, Ph D
 S. Wakefield, MA, Ph D
 J. Zhang, MS, Ph D

Professor, Teaching Stream

D. Boyes, M Sc, Ph D

Assistant Professors

N. Adiv, MS, Ph D (CLTA)
 A. Kramer, MA, Ph D (CLTA)
 J. Liu, Ph D
 J. Spicer, MCP, Ph D
 M. Widener, MSc, Ph D

Introduction

Geography is the study of the environments created on the earth's surface by nature and people. The physical and biological elements of these environments, as well as their economic and social structure, historical development, spatial organization, interrelationships, management and planning form the subject matter of Geography. Geography, therefore, relates closely to other fields in natural science, social science and the humanities, and geographers take courses in these related fields along with their geography courses. Students specializing in other subjects often select one or more geography courses to deepen their understanding of the resource base, culture and economy of those parts of the world in which they are interested.

Employment opportunities for geographers exist in many branches of international organizations, government, industry, and education. Geographers work at all levels of government service, especially in agencies responsible for environmental management; land and resource analysis; development of historic districts and sites; urban transportation planning; urban and regional development planning; trade promotion; community social services; geographic systems design and data analysis; transport network design and the processing of archival, survey, and cartographic information. In business, geographers work in marketing, locational analysis, resource development, and in consulting firms engaged in project evaluation, land use planning and natural heritage conservation. They often also find work in the non-profit sector as policy analysts, cartographers and geographic information science specialists, community organizers, and educators.

Students studying Geography may take either an H.B.A. or H.B.Sc., depending upon the subjects they wish to emphasize. The Department offers Specialist, Major and Minor Programs in Geography, and contributes courses to various departmental and college programs including American Studies; Anthropology; Archaeology; Canadian Studies and Peace and Conflict Studies; Equity Studies; School of the Environment; Environmental Geosciences; Urban Studies; Ethics, Society and Law and International Relations; and European Studies. Counselling and advice may be obtained from the Associate Chair, Undergraduate or the Undergraduate Counsellor.

Associate Chair, Undergraduate:

Professor M. Farish, Sidney Smith Hall, Room 5003 (416-978-6671)

Undergraduate Counsellor:

S. Calanza, Sidney Smith Hall, Room 5044 (416-978-6455)

General Enquiries: 416-978-3375

Regarding Geography and Planning Programs

For 2019-20

Admission to major and specialist programs will be determined by a student's mark in 0.5-1.0 GGR FCEs at the 100 and/or 200 level. See program descriptions for details on the entry requirements. These are limited enrolment programs that can only accommodate a limited number of students. Achieving the marks required does not necessarily guarantee admission to the program in any given year.

Double majors in Geography may only overlap 1.0 FCE. Students combining any of our Minor programs with a Specialist/Major program would normally be allowed to overlap only 1.5 FCEs towards both programs. Students that choose to specialize or major in one of the three Geography programs cannot minor in the same program but may do so in another Geography program. Double minors can overlap 1.0 FCE.

Generally, students may only take 1.0 Independent Research Project FCE toward their program requirements.

Geography and Planning Programs

Human Geography Specialist (Arts Program) - ASSPE1667

Description:

The Human Geography programs provide the opportunity to learn about the relations between landscapes, places, people and nature, and the spatial organization of human activities. While students are encouraged to explore the breadth of the discipline, we also identify courses by theme for students who wish to develop expertise in one or two subfields (e.g., urban geography, cultural and historical geography). The Human Geography programs appeal to students who wish to develop an integrative understanding of the cultural, economic, political and social forces that shape how people use and experience the environments they live in. These programs offer training in quantitative and qualitative research methods, including GIS and Remote Sensing.

Enrolment Requirements:

Admission will be determined by one of the following:

0.5 GGR FCE's at the 100 or 200 level with a final mark of 75% or 1.0 GGR FCE's at the 100 and/or 200 level with a final mark of 70% in each course.

Jointly-offered GGR courses will also be considered (e.g. JEG, JGI, JGE). This is a limited enrolment program that can only accommodate a limited number of students. Achieving these marks does not necessarily guarantee admission to the program in any given year.

Completion Requirements:

First Year Geography Courses: Any 2 courses (1.0 FCE) from GGR100H/JEG100H1, GGR101H1, GGR107H1, GGR112H1, GGR124H1. 200/300-level GGR courses may also be used to meet this requirement. Contact the Undergraduate Administrator to update your program.

Physical and Environmental Geography Course: Any course (0.5 FCE) not used to satisfy first year course requirement from GGR100H1/JEG100H1, GGR101H1, GGR201H1, GGR203H1, GGR205H1, GGR206H1, GGR223H1

Methods Courses: All (1.5 FCE) of GGR270H1, GGR271H1, GGR272H1

Regional Geography Course: Any course (0.5 FCE) from GGR240H1, GGR246H1, GGR254H1, GGR341H1, GGR342H1, GGR343H1

Fourth Year Courses: Any 2 (1.0 FCE) 400 series GGR courses, at least one of which must be from Group E. Up to 0.5 FCE can be used from GGR493Y1 based on internship.

Applications: Any 11 courses (5.5 FCEs) from Group E; Up to 1.5 FCE can be from Group F.

Note: At least 4.0 FCEs must be 300/400 series courses. Of these, at least 1.0 FCE must be 400 series (includes Fourth Year Course requirement).

Total FCEs: 10.0

Focus in Planning (Specialist) - ASFOC1667B

Description:

The Planning Focus provides students with the opportunity to learn about how planning is a key component of the dynamic relations that exist between places, policy, power, and people. It focuses in on the conscious choices and decision made by various groups to shape the spatial organization of human activities. The Planning Focus will appeal to students who wish to develop an integrative understanding of the cultural, economic, political and social forces that shape the development and redevelopment of metropolitan and rural regions. Students are encouraged to explore the breadth of our courses that engage planning questions in relation to transportation, social segregation, health and housing, economic policy, environment change, and globalization.

Enrolment Requirements:

Enrolment in the Human Geography Specialist (ASSPE1667) program is required.

Completion Requirements:

Core (required) Courses: 1.0 FCE from GGR217H1 and JGI346H1

Planning Electives: Any 3 courses (1.5 FCE) from GGR241H1, GGR338H1, GGR339H1, GGR343H1, GGR349H1, GGR354H1, GGR359H1, GGR424H1, GGR433H1, GGR434H1, GGR460H1, GGR493Y1 (0.5 FCE can be used based on internship)

Note: At least 1.0 FCE must be 300/400 series courses.

Focus in Urban Geography (Specialist) - ASFOC1667S

Description:

The Focus in Urban Geography provides students with the opportunity to emphasize urban geography as part of their Human Geography specialist or major. Urban geography focuses on the political, social, cultural and economic processes that shape city life, development and policy. This focus will appeal to students registered in the Human Geography specialist or major program who wish to develop an integrative understanding of the dynamics that

shape the urban realm. Students are encouraged to explore the breadth of our course offerings in housing, historical, political and transportation.

Enrolment Requirements:

Enrolment in the Human Geography Specialist (ASSPE1667) program is required.

Completion Requirements:

Required Urban Geography Courses: 1.0 FCE from GGR124H1, GGR241H1, JGI216H1

Urban Geography Electives: 1.5 FCE's from GGR254H1, GGR336H1, GGR339H1, GGR349H1, GGR357H1, GGR359H1, GGR374H1, GGR382H1, GGR424H1, GGR458H1, GGR460H1

Note: At least 1.0 FCE must be 300/400 series courses.

Human Geography Major (Arts Program) - ASMAJ1667

Description:

The Human Geography programs provide the opportunity to learn about the relations between landscapes, places, people and nature, and the spatial organization of human activities. While students are encouraged to explore the breadth of the discipline, we also identify courses by theme for students who wish to develop expertise in one or two subfields (e.g., urban geography, cultural and historical geography). The Human Geography programs appeal to students who wish to develop an integrative understanding of the cultural, economic, political and social forces that shape how people use and experience the environments they live in. These programs offer training in quantitative and qualitative research methods, including GIS and Remote Sensing.

Enrolment Requirements:

Admission is based on one of the following:

0.5 GGR FCE's at the 100 or 200 level with a final mark of 67% or 1.0 GGR FCE's at the 100 and/or 200 level with a final mark of 63% in each course.

Jointly-offered GGR courses will also be considered (e.g. JEG, JGI, JGE). This is a limited enrolment program that can only accommodate a limited number of students. Achieving these marks does not necessarily guarantee admission to the program in any given year.

Completion Requirements:

First Year Geography Courses: Any two courses (1.0 FCE) from GGR100H/ JEG100H1, GGR101H1, GGR107H1, GGR112H1, GGR124H1. 200/300-level GGR courses may also be used to meet this requirement. Contact the Undergraduate Administrator to update your program.

Physical and Environmental Geography Course: Any course (0.5 FCE) not used to satisfy first year course requirement from GGR100H/ JEG100H1, GGR101H1, GGR201H1, GGR203H1, GGR205H1, GGR206H1, GGR223H1

Methods Courses: All (1.0 FCE) of GGR270H1, GGR271H1

Regional Geography Course: Any course (0.5 FCE) from GGR240H1, GGR246H1, GGR254H1, GGR341H1, GGR342H1, GGR343H1

Fourth Year Course: Any course (0.5 FCE) from 400 series courses from Group E.

Applications: Any 7 courses (3.5 FCEs) from Group E; Up to 1.0 FCE can be from Group F.

Note: At least 2.0 FCEs must be 300/400 series courses. Of these, at least 0.5 must be 400 series (includes Fourth Year Course requirement).

Total FCEs: 7.0

Focus in Planning (Major) - ASFOC1667A

Description:

The Planning Focus provides students with the opportunity to learn about how planning is a key component of the dynamic relations that exist between places, policy, power, and people. It focuses on the conscious choices and decision made by various groups to shape the spatial organization of human activities. The Planning Focus will appeal to students who wish to develop an integrative understanding of the cultural, economic, political and social forces that shape the development and redevelopment of metropolitan and rural regions. Students are encouraged to explore the breadth of our courses that engage planning questions in relation to transportation, social segregation, health and housing, economic policy, environment change, and globalization.

Enrolment Requirements:

Enrolment in the Human Geography Major (ASMAJ1667) program is required.

Completion Requirements:

Core (required) Courses: 1.0 FCE from GGR217H1 and JGI346H1

Planning Electives: Any 3 courses (1.5 FCE) from GGR241H1, GGR338H1, GGR339H1, GGR343H1, GGR349H1, GGR354H1, GGR359H1, GGR424H1, GGR433H1, GGR434H1, GGR460H1, GGR493Y1 (0.5 FCE can be used based on internship)

Note: At least 1.0 FCE must be 300/400 series courses.

Focus in Urban Geography (Major) - ASFOC1667M

Description:

The Focus in Urban Geography provides students with the opportunity to emphasize urban geography as part of their Human Geography specialist or major. Urban geography focuses on the political, social, cultural and economic processes that shape city life, development and policy. This focus will appeal to students

registered in the Human Geography specialist or major program who wish to develop an integrative understanding of the dynamics that shape the urban realm. Students are encouraged to explore the breadth of our course offerings in housing, historical, political and transportation.

Enrolment Requirements:

Enrolment in the Human Geography Major (ASMAJ1667) program is required.

Completion Requirements:

Required Urban Geography Courses: 1.0 FCE from GGR124H1, GGR241H1, JGI216H1

Urban Geography Electives: 1.5 FCE's from GGR254H1, GGR336H1, GGR339H1, GGR349H1, GGR357H1, GGR359H1, GGR374H1, GGR382H1, GGR424H1, GGR458H1, GGR460H1

Note: At least 1.0 FCE must be 300/400 series courses.

Human Geography Minor (Arts Program) - ASMIN1667

Description:

The Human Geography programs provide the opportunity to learn about the relations between landscapes, places, people and nature, and the spatial organization of human activities. While students are encouraged to explore the breadth of the discipline, we also identify courses by theme for students who wish to develop expertise in one or two subfields (e.g., urban geography, cultural and historical geography). The Human Geography programs appeal to students who wish to develop an integrative understanding of the cultural, economic, political and social forces that shape how people use and experience the environments they live in. These programs offer training in quantitative and qualitative research methods, including GIS and Remote Sensing.

Enrolment Requirements:

There are no entry requirements for this program.

Completion Requirements:

First Year Geography Courses: Any 2 courses (1.0 FCE) from GGR100H1/ JEG100H1, GGR101H1, GGR107H1, GGR112H1, GGR124H1. 200/300 level GGR courses may also be used to meet this requirement. Contact the Undergraduate Administrator to update your program.

Applications: Any 6 courses (3.0 FCEs) from higher level GGR/JFG/JGE/JGI/JUG social science or humanities courses, including at least 1.0 FCE at the 300/400 level. One course (0.5 FCE) can be from Group F.

Total FCEs: 4.0

Environmental Geography Specialist (Arts Program) - ASSPE1252

Description:

A focus on the human-environment nexus is most explicit in these programs. Students learn about the social, spatial, and biophysical processes that shape society's relationship to nature, management of resources, and contemporary environmental change. These programs appeal to non-science students who seek an environmental program that allows them to learn more about the natural processes that interact with social factors in shaping environments. These programs offer training in quantitative and qualitative research methods, including GIS and Remote Sensing.

Enrolment Requirements:

Admission will be determined by one of the following:

0.5 GGR FCE's at the 100 or 200 level with a final mark of 75% or 1.0 GGR FCE's at the 100 and/or 200 level with a final mark of 70% in each course.

Jointly-offered GGR courses will also be considered (e.g. JEG, JGI, JGE). This is a limited enrolment program that can only accommodate a limited number of students. Achieving these marks does not necessarily guarantee admission to the program in any given year.

Completion Requirements:

First Year Geography Courses: Any 2 courses (1.0 FCE) from GGR107H1 (recommended), GGR100H/ JEG100H1, GGR101H1, GGR112H1, GGR124H1. 200/300-level GGR courses may also be used to meet this requirement. Contact the Undergraduate Administrator to update your program.

Physical and Environmental Geography Courses: Any 2 courses (1.0 FCE) from GGR201H1, GGR203H1, GGR205H1, GGR206H1, GGR305H1, GGR308H1, GGR314H1, GGR347H1, GGR348H1, ENV200H1, ENV234H1

Methods & Core Courses: All (2.5 FCEs) of GGR223H1, GGR270H1, GGR271H1, GGR272H1, JGE331H1

Regional Geography Courses: Any course (0.5 FCE) from GGR240H1, GGR246H1, GGR254H1, GGR341H1, GGR342H1, GGR343H1

Fourth Year Courses: Either GGR491Y1 or one of GGR416H1, GGR492H1, GGR497H1 and one additional 0.5 FCE 400 level course from Group A or Group B (1.0 FCE)

Application: Any 8 courses (4.0 FCEs) from Group A; up to 1.5 FCE can be from Group B; up to 1.0 FCE can be from Group C.

Note: At least 4.0 FCEs must be 300/400 series courses. Of these, at least 1.0 FCE must be 400 series (includes Fourth Year Course requirement).

Total FCEs: 10.0

Environmental Geography Major (Arts Program) - ASMAJ1252

Description:

A focus on the human-environment nexus is most explicit in these programs. Students learn about the social, spatial, and biophysical processes that shape society's relationship to nature, management of resources, and contemporary environmental change. These programs appeal to non-science students who seek an environmental program that allows them to learn more about the natural processes that interact with social factors in shaping environments. These programs offer training in quantitative and qualitative research methods, including GIS and Remote Sensing.

Enrolment Requirements:

Admission is based on one of the following:

0.5 GGR FCE's at the 100 or 200 level with a final mark of 67% or 1.0 GGR FCE's at the 100 and/or 200 level with a final mark of 63% in each course.

Jointly-offered GGR courses will also be considered (e.g. JEG, JGI, JGE). This is a limited enrolment program that can only accommodate a limited number of students. Achieving these marks does not necessarily guarantee admission to the program in any given year.

Completion Requirements:

First Year Geography Courses: Any 2 courses (1.0 FCE) from GGR107H1 (recommended), GGR100H1/ JEG100H1, GGR101H1, GGR112H1, GGR124H1. 200/300-level GGR courses may also be used to meet this requirement. Contact the Undergraduate Administrator to update your program.

Physical and Environmental Geography Courses: Any 2 courses (1.0 FCE) from GGR201H1, GGR203H1, GGR205H1, GGR206H1, GGR305H1, GGR308H1, GGR314H1, GGR347H1, GGR348H1, ENV200H1, ENV234H1

Methods & Core Courses: All (1.5 FCE) of GGR223H1, GGR270H1, GGR271H1

Regional Geography Courses: Any course (0.5 FCE) from GGR240H1, GGR246H1, GGR254H1, GGR341H1, GGR342H1, GGR343H1

Fourth Year Course: Any course (0.5 FCE) at the 400 level from Group A.

Applications: Any 5 courses (2.5 FCEs) from Group A; up to 1.0 FCE can be from Group B; up to 0.5 FCE can be from Group C.

Note: At least 2.0 FCEs must be 300/400 series courses. Of these, at least 0.5 FCE must be 400 series (includes Fourth Year Course requirement).

Total FCEs: 7.0

Environmental Geography Minor (Arts Program) - ASMIN1252

Description:

A focus on the human-environment nexus is most explicit in these programs. Students learn about the social, spatial, and biophysical processes that shape society's relationship to nature, management of resources, and contemporary environmental change. These programs appeal to non-science students who seek an environmental program that allows them to learn more about the natural processes that interact with social factors in shaping environments. These programs offer training in quantitative and qualitative research methods, including GIS and Remote Sensing.

Enrolment Requirements:

There are no entry requirements for this program.

Completion Requirements:

First Year Geography Courses: Any course (0.5 FCE) from GGR107H1 (recommended), GGR100H1/ JEG100H1, GGR101H1, GGR112H1, GGR124H1. 200/300-level GGR courses may also be used to meet this requirement. Contact the Undergraduate Administrator to update your program.

Core Course: All (0.5 FCE) of GGR223H1

Physical and Environmental Geography Course: Any course (0.5 FCE) from GGR201H1, GGR203H1, GGR205H1, GGR206H1, GGR305H1, GGR308H1, GGR314H1, GGR347H1, GGR348H1, ENV200H1, ENV234H1

Applications: Any 5 courses (2.5 FCEs) from Group A; up to 1.0 FCE can be from Group B.

Note: At least 1.0 FCE must be 300/400 series courses.

Total FCEs: 4.0

Physical and Environmental Geography Specialist (Science Program) - ASSPE2030

Description:

Physical and Environmental Geography offers science-based programs for students interested in an integrative approach to understanding the earth's biotic and abiotic systems, including their spatial dynamics and the ways they are altered by human action. The programs provide a foundation in the subfields of climatology, biogeography, hydrology, and geomorphology. Students gain practical experience in lab and field settings. Technical skills taught also include data analysis, geospatial analytical tools, including GIS and Remote Sensing.

Enrolment Requirements:

Admission will be determined by one of the following:

0.5 FCE's at the 100 or 200 level with a final mark of 75% or 1.0 FCE's at the 100 and/or 200 level with a final mark of 70% in each course.

Jointly-offered GGR courses will also be considered (e.g. JEG, JGI, JGE). This is a limited enrolment program that can only accommodate a limited number of students. Achieving these marks does not necessarily guarantee admission to the program in any given year.

Completion Requirements:

Introductory courses: Any 6 half courses or the equivalent (3.0 FCEs) from GGR100H/ JEG100H1, MAT133Y1/ MAT135H1/ MAT136H1/ MAT137Y1/ MAT157Y1, MAT223H1/ MAT240H1, MAT224H1/ MAT247H1, PHY131H1/ PHY151H1, PHY132H1/ PHY152H1, CHM138H/ CHM136H1, CHM139H/ CHM135H1, CHM151Y1, BIO120H1, BIO130H1, at least two of which must be Math or Phys half courses.

Core Courses: Any 4 courses (2.0 FCEs) from GGR201H1, GGR203H1, GGR205H1, GGR206H1, up to one half course from Group H.

Regional Geography Courses: Any course (0.5 FCE) from GGR101H1, GGR240H1, GGR246H1, GGR254H1, GGR341H1, GGR342H1, GGR343H1

Methods Courses: All (2.0 FCEs) of GGR270H1, GGR272H1, GGR337H1, GGR390H1

Applications: Any 7 courses (3.5 FCEs) from GGR273H1, GGR301H1, GGR305H1, GGR307H1, GGR308H1, GGR310H1/ FOR310H1, GGR314H1, GGR373H1, GGR347H1, GGR348H1, GGR416H1, (but no more than one of GGR273H1, GGR373H1), GGR493Y1 (based on internship), any GGR course from the list for Core Courses and Fourth Year Courses not already used; up to three half courses from Group I. No more than one of GGR273H1, GGR373H1.

Fourth Year Courses: Any 2 courses (1.0 FCE) from GGR401H1, GGR405H1, GGR413H1, GGR414H1, GGR491Y1, GGR493Y1 (0.5 FCE can be used based on internship), GGR498H1, 400-series in Group I, but the total number of half courses from Group I (including 300-series courses) must not exceed 3.

Total FCEs: 12.0

Physical and Environmental Geography Major (Science Program) - ASMAJ2030

Description:

Physical and Environmental Geography offers science-based programs for students interested in an integrative approach to understanding the earth's biotic and abiotic systems, including their spatial dynamics and the ways they are altered by human action. The programs provide a foundation in the subfields of climatology, biogeography, hydrology, and geomorphology. Students gain practical experience in lab and field settings. Technical skills taught also include data analysis, geospatial analytical tools, including GIS and Remote Sensing.

Enrolment Requirements:

Admission is based on one of the following:

0.5 GGR FCE's at the 100 or 200 level with a final mark of 67% or 1.0 GGR FCE's at the 100 and/or 200 level with a final mark of 63% in each course.

Jointly-offered GGR courses will also be considered (e.g. JEG, JGI, JGE). This is a limited enrolment program that can only accommodate a limited number of students. Achieving these marks does not necessarily guarantee admission to the program in any given year.

Completion Requirements:

Introductory Courses: Any 4 half courses or the equivalent (2.0 FCEs) from GGR100H/ JEG100H1, MAT133Y1/ MAT135H1/ MAT136H1/ MAT137Y1/ MAT157Y1, MAT223H1/ MAT240H1, MAT224H1/ MAT247H1, PHY131H1/ PHY151H1, PHY132H1/ PHY152H1, CHM138H/ CHM136H1, CHM139H/ CHM135H1, CHM151Y1, BIO120H1, BIO130H1, at least two of which must be Math or Phys half courses.

Core Courses: Any 3 courses (1.5 FCE) from GGR201H1, GGR203H1, GGR205H1, GGR206H1

Regional Geography Course: Any course (0.5 FCE) from GGR101H1, GGR240H1, GGR246H1, GGR254H1, GGR341H1, GGR342H1, GGR343H1

Methods Courses: All (1.5 FCE) of GGR270H1, GGR272H1, GGR390H1

Applications: Any 4 courses (2.0 FCEs) from GGR273H1, GGR301H1, GGR305H1, GGR307H1, GGR308H1, GGR310H1/ FOR310H1, GGR314H1, GGR337H1, GGR373H1, GGR347H1, GGR348H1, GGR416H1, GGR493Y1 (based on internship), any GGR course from the list for Core Courses and Fourth Year Courses not already used; any one half course from Group I. No more than one from GGR273H1, GGR373H1.

Fourth Year Course: Any course (0.5 FCE) from GGR401H1, GGR405H1, GGR413H1, GGR414H1, GGR491Y1, GGR493Y1 (0.5 FCE can be used based on internship), GGR498H1

Total FCEs: 8.0

Physical and Environmental Geography Minor (Science Program) - ASMIN2030

Description:

Physical and Environmental Geography offers science-based programs for students interested in an integrative approach to understanding the earth's biotic and abiotic systems, including their spatial dynamics and the ways they are altered by human action. The programs provide a foundation in the subfields of climatology, biogeography, hydrology, and geomorphology. Students gain practical experience in lab and field settings. Technical skills taught also include data analysis, geospatial analytical tools, including GIS and Remote Sensing.

Enrolment Requirements:

There are no entry requirements for this program.

Completion Requirements:

First Year Geography Courses: Any 2 courses (1.0 FCE) from GGR100H1/ JEG100H1 (recommended), GGR101H1, GGR107H1, GGR112H1, GGR124H1

Core Courses: Any 2 courses (1.0 FCE) from GGR201H1, GGR203H1, GGR205H1, GGR206H1

Methods Courses: One (0.5 FCE) of GGR301H1/ GGR305H1 and one (0.5 FCE) of GGR272H1/ GGR337H1

Applications: Any 2 courses (1.0 FCE) from GGR201H1, GGR203H1, GGR205H1, GGR206H1, GGR301H1, GGR305H1, GGR307H1, GGR308H1, GGR310H1/ FOR310H1, GGR314H1, GGR347H1, GGR348H1, GGR390H1, GGR401H1, GGR405H1, GGR413H1; GGR414H1

Total FCEs: 4.0

Geographic Information Systems Minor (Arts Program) - ASMIN0305

Description:

The GIS program covers the on theoretical, technical and applied foundations for geographic information systems. Students learn methods for spatial data production, analysis and presentation using computer cartography, spatial analysis, remote sensing, and geovisualization. Problem solving and project design are emphasized in upper level courses, as students apply techniques to answer specific geographic questions. The GIS program is structured to provide a stand-alone minor for students in Geography and other disciplines seeking complementary skills in spatial analysis (e.g., field biology, archaeology).

Note: Students combining this program with a Specialist/Major sponsored by the Department of Geography will normally be allowed to count only 1.5 (of the 4.0) FCEs towards both programs.

Enrolment Requirements:

There are no entry requirements for this program.

Completion Requirements:

First Year Geography Courses: Any 2 courses (1.0 FCE) from GGR100H1/ JEG100H1, GGR101H1, GGR107H1, GGR112H1, GGR124H1. 200/300 level GGR courses may also be used to meet this requirement. Contact the Undergraduate Administrator to update your program.

Methods & Core Courses: All (2.0 FCEs) of GGR270H1, GGR272H1, GGR273H1, GGR373H1

Applications: Any 2 courses (1.0 FCE) from GGR225H1, GGR337H1, GGR372H1, GGR386H1, GGR413H1, GGR414H1, GGR462H1, GGR472H1, GGR473H1, GGR491Y1, GGR492H1

GGR493Y1 (0.5 FCE can be used based on internship), GGR497H1, GGR498H1, GGR499H1, JFG470H1, JFG475H1

Note: At least 1.0 FCE must be 300/400 series courses

Total FCEs: 4.0

Asian Geographies (offered jointly with the National University of Singapore) Minor (Arts Program) - ASMIN2727

Description:

Asian Geographies offers a structure exchange opportunity between the University of Toronto and National University of Singapore (NUS). This program allows students to study geographic themes through the lens of development and change in Asia. They complete half of this minor program while at National University of Singapore (NUS), selecting from courses there that locate geographic questions in a local or regional context.

This Type 3 minor program represents a unique opportunity to study geography in a different cultural environment. For more information, contact the Undergraduate Office and the Centre for International Experience (CIE, www.cie.utoronto.ca). Students are advised to contact the U of T Geography Department in advance of going abroad to discuss course selection at NUS.

Completion Requirements:

First Year Geography Course: Any course (0.5 FCE) from GGR100H1/ JEG100H1, GGR101H1, GGR107H1, GGR112H1, GGR124H1

Applications (UofT): Any 3 (1.5 FCE) higher level GGR/JGE/JGI/JFG/JUG courses

Applications (NUS): Any 4 courses (2.0 FCEs) from NUS250H0, NUS251H0, NUS252H0, NUS253H0, NUS254H0, NUS255H0, NUS256H0, NUS350H0, NUS351Y0, NUS352H0, NUS353H0, NUS354H0 (or other NUS course with permission of the department)

Note: At least 1.0 FCEs must be at the 300/400 level (from U of T or NUS)

Total FCEs: 4.0

Environment and Energy Minor (Science Program) - ASMIN1552

Description:

Environment and Energy (Science Program) Joint Program with the School of the Environment

Jointly sponsored by the School of the Environment and the Department of Geography, this interdisciplinary program addresses the scientific, technological, environmental and policy aspects of energy use and supply, with a focus on the reduction of environmental impacts.

Note that the four full course equivalents that constitute the Minor Program are those listed below under Higher Years. Consult David Powell, Undergraduate Student Advisor, School of the Environment, Room 1049A, Earth Sciences Centre, 416-946-8100 or david.powell@utoronto.ca

Completion Requirements:

First Year Courses: One FCE from (MAT135H1, MAT136H1)/
MAT137Y1, and at least one FCE from CHM138H1/CHM136H1,
CHM139H1/CHM135H1, CHM151Y1, PHY131H1, PHY132H1,
PHY151H1, PHY152H1

All of: ENV221H1, ENV222H1/ GGR223H1 (1.0 FCE)

All of: ENV346H1, ENV350H1, ENV450H1 (1.5 FCE)

Any two of: GGR310H1/FOR310H1, GGR314H1, GGR347H1,
GGR348H1 (1.0 FCE)

Any one of: CHM210H1, CHM310H1, CHM415H1, ENV237H1,
ENV238H1, FOR310H1*/GGR310H1*, FOR410H1, GGR203H1,
GGR314H1*, GGR347H1*, GGR348H1*, HPS313H1, PHY231H1,
PHY250H1 (* if not taken for the requirement immediately above)
(0.5 FCE)

Total FCEs: 4.0

Course Groups

Group A (Environmental Geography Courses)

- GGR201H1 Geomorphology
- GGR203H1 Introduction to Climatology
- GGR205H1 Introduction to Soil Science
- GGR206H1 Introduction to Hydrology
- GGR223H1 Environment, Society and Resources
- GGR272H1 Geographic Information and Mapping I
- GGR273H1 Geographic Information and Mapping II
- GGR301H1 Fluvial Geomorphology
- GGR305H1 Biogeography
- GGR308H1 Canadian Arctic and Subarctic Environments
- GGR310H1 Bioenergy from Sustainable Forest Management
- GGR314H1 Global Warming
- GGR321H1 Indigenous Worlds, Worldviews and the Environment
- GGR329H1 The Global Food System
- GGR334H1 Water Resource Management
- GGR337H1 Environmental Remote Sensing
- GGR338H1 Environmental Issues in the Global South
- GGR340H1 Health Geography
- GGR341H1 Changing Geography of Latin America
- GGR347H1 Efficient Use of Energy
- GGR348H1 Carbon-Free Energy
- GGR349H1 Managing Urban Natures
- GGR373H1 Advanced Geographic Information Systems
- GGR386H1 Special Topics in Geographic Information Systems
- GGR387H1 Special Topics in Environmental Geography

- GGR388H1 Special Topics in Physical & Environmental Geography
- GGR401H1 Special Topics in Geography II
- GGR405H1 Sustainable Systems for Natural Resources Management
- GGR413H1 Watershed Hydroecology
- GGR414H1 Advanced Remote Sensing
- GGR416H1 Environmental Impact Assessment
- GGR418H1 Political Economy of Natural Resources
- GGR419H1 Environmental Justice
- GGR434H1 Building Community Resilience
- GGR438H1 Environment and Development
- GGR481H1 Field Course in Environmental Geography
- GGR491Y1 Research Project
- GGR492H1 Senior Practicum
- GGR493Y1 Geography Professional Experience
- GGR497H1 Independent Research
- GGR498H1 Independent Research
- JGE321H1 Multicultural Perspectives on Environmental Management
- JGE331H1 Resource and Environmental Theory
- JUG320H1 The Canadian Wilderness

Group B (School of the Environment Courses)

- ENV200H1 Assessing Global Change: Science and the Environment
- ENV234H1 Environmental Biology: Structure and Function of Ecosystems
- ENV307H1 Urban Sustainability
- ENV323H1 Ontario Environmental Policy
- ENV333H1 Ecological Worldviews
- ENV335H1 Environmental Design
- ENV350H1 Energy Policy and Environment
- ENV395Y0 Special Topics Field Course
- ENV396Y0 Special Topics Field Course
- ENV422H1 Environmental Law

Group C

- Any other Geography courses at the 200/300/400 level not listed in Group A.

Group E (Human Geography Courses)

- GGR216H1 Global Cities
- GGR217H1 Urban Landscapes and Planning
- GGR220H1
- GGR221H1 New Economic Spaces
- GGR223H1 Environment, Society and Resources
- GGR225H1 Power of Maps and Geographic Information
- GGR240H1 Geographies of Colonialism in North America
- GGR241H1 Geographies of Urban Social Exclusion
- GGR246H1 Geography of Canada
- GGR251H1 Geography of Innovation
- GGR252H1 Marketing Geography
- GGR254H1 Geography USA
- GGR272H1 Geographic Information and Mapping I
- GGR273H1 Geographic Information and Mapping II

- [GGR299Y1 Research Opportunity Program](#)
- [GGR300H1](#)
- [GGR314H1 Global Warming](#)
- [GGR320H1 Geographies of Transnationalism, Migration, and Gender](#)
- [GGR321H1 Indigenous Worlds, Worldviews and the Environment](#)
- [GGR323H1 Issues in Population Geography](#)
- [GGR326H1 Remaking the Global Economy](#)
- [GGR327H1 Geography and Gender](#)
- [GGR328H1 Labour Geographies](#)
- [GGR329H1 The Global Food System](#)
- [GGR334H1 Water Resource Management](#)
- [GGR336H1 Urban Historical Geography of North America](#)
- [GGR338H1 Environmental Issues in the Global South](#)
- [GGR339H1 Urban Geography, Planning and Political Processes](#)
- [GGR340H1 Health Geography](#)
- [GGR341H1 Changing Geography of Latin America](#)
- [GGR342H1 The Changing Geography of Southeast Asia](#)
- [GGR343H1 The Changing Geography of China](#)
- [GGR349H1 Managing Urban Natures](#)
- [GGR352H1 Understanding Spatiality](#)
- [GGR356H1 Recreation and Tourism](#)
- [GGR357H1 Housing and Community Development](#)
- [GGR359H1 Comparative Urban Policy](#)
- [GGR360H1 Culture, History, and Landscape](#)
- [GGR363H1 Critical Geographies: An Introduction to Radical Ideas on Space, Society and Culture](#)
- [GGR372H1 GIS for Public Health](#)
- [GGR373H1 Advanced Geographic Information Systems](#)
- [GGR374H1 Urban Dynamics](#)
- [GGR382H1 Field Course in Human Geography](#)
- [GGR386H1 Special Topics in Geographic Information Systems](#)
- [GGR387H1 Special Topics in Environmental Geography](#)
- [GGR389H1 Special Topics in Human Geography](#)
- [GGR400H1 Special Topics in Geography I](#)
- [GGR416H1 Environmental Impact Assessment](#)
- [GGR418H1 Political Economy of Natural Resources](#)
- [GGR419H1 Environmental Justice](#)
- [GGR420H1 Critical Development Geography](#)
- [GGR421H1 Histories of Geographical Thought](#)
- [GGR424H1 Transportation Geography and Planning](#)
- [GGR430H1 Geographies of Markets](#)
- [GGR431H1 Regional Dynamics](#)
- [GGR433H1 Built Environment and Health](#)
- [GGR434H1 Building Community Resilience](#)
- [GGR438H1 Environment and Development](#)
- [GGR439H1 Global Political Geography](#)
- [GGR452H1 Space, Power, Geography: Understanding Spatiality](#)
- [GGR457H1 The Post-War Suburbs](#)
- [GGR458H1 Selected Topics in Urban Geography](#)
- [GGR460H1 Global Cities, Urban Planning, Critical Theory](#)
- [GGR462H1 GIS Research Project](#)
- [GGR472H1 Developing Web Maps](#)
- [GGR473H1 Cartographic Design](#)
- [GGR481H1 Field Course in Environmental Geography](#)
- [GGR482H1 Toronto Field Course](#)
- [GGR491Y1 Research Project](#)

- [GGR492H1 Senior Practicum](#)
- [GGR493Y1 Geography Professional Experience](#)
- [GGR496H1 Independent Research](#)
- [GGR497H1 Independent Research](#)
- [GGR499H1 Independent Research](#)
- [JGE321H1 Multicultural Perspectives on Environmental Management](#)
- [JGE331H1 Resource and Environmental Theory](#)
- [JUG320H1 The Canadian Wilderness](#)
- [JUG325H1 Landscapes of Violence in Canada](#)
- [JGI216H1 Globalization and Urban Change](#)
- [JGI346H1 The Urban Planning Process](#)
- [JGI454H1 The Role of the Planner: Making a Difference](#)
- [JFG470H1](#)
- [JFG475H1](#)

Group H

- [CHM217H1 Introduction to Analytical Chemistry](#)
- [CHM310H1 Environmental Chemistry](#)
- [ESS221H1 Minerals and Rocks](#)
- [ESS261H1 Earth System Evolution](#)

Group I

- [EEB319H1 Population Ecology](#)
- [EEB321H1 Community Ecology](#)
- [EEB324H1 Evolutionary Ecology](#)
- [EEB328H1 Physiological Ecology](#)
- [EEB330H1 Systematic Botany](#)
- [EEB428H1 Global Change Ecology](#)
- [ENV346H1 Terrestrial Energy Systems](#)
- [ESS262H1 Earth System Processes](#)
- [ESS311H1 Earth System Chemistry 2: Aqueous Geochemistry](#)
- [ESS361H1 Atmosphere-Biosphere Interact](#)
- [ESS461H1 Palaeoenvironmental Studies](#)
- [ESS463H1 Earth System Chemistry 3: Contaminants](#)
- [ESS464H1 Biological Perspectives on Earth System Evolution](#)
- [FOR301H1 Field Methods in Forest Conservation](#)
- [FOR305H1 Biology of Trees and Forests](#)
- [FOR306H1 Tropical Forest Ecology and Conservation Field Course](#)
- [FOR417H1 Ecological Principles of Agroforestry](#)
- [JEE337H1](#)
- [PHY392H1 Physics of Climate](#)
- [PHY408H1 Time Series Analysis](#)

Group F (Optional Science Courses for Human Geography)

- [GGR201H1 Geomorphology](#)
- [GGR203H1 Introduction to Climatology](#)
- [GGR205H1 Introduction to Soil Science](#)
- [GGR206H1 Introduction to Hydrology](#)
- [GGR301H1 Fluvial Geomorphology](#)
- [GGR305H1 Biogeography](#)
- [GGR308H1 Canadian Arctic and Subarctic Environments](#)

- [GGR310H1 Bioenergy from Sustainable Forest Management](#)
- [FOR310H1 Bioenergy from Sustainable Forest Management](#)
- [GGR337H1 Environmental Remote Sensing](#)
- [GGR347H1 Efficient Use of Energy](#)
- [GGR348H1 Carbon-Free Energy](#)
- [GGR405H1 Sustainable Systems for Natural Resources Management](#)
- [GGR413H1 Watershed Hydroecology](#)
- [GGR498H1 Independent Research](#)

GGR101H1 - Ancient Civilizations and their Environments

Hours: 24L

The course will focus on the processes that drive environmental change and how past societies have responded to the constraints that these impose. The emphasis is on the current interglacial, the Holocene, and how increasing population and technology has affected human-environment interactions.

Exclusion: JGE236H1(taken in 2007-2008, 2008-2009)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

Regarding Geography and Planning Courses

Prerequisites

NOTE

Recommended Preparation: The course will be taught in a manner that assumes students have achieved the level of study (e.g., third year standing) and completed courses listed (or equivalent background).

Prerequisites: These are strictly monitored requirements. In some cases Prerequisites may be waived if equivalent background exists. Please consult the Associate Chair, Undergraduate or the course instructor.

GGR107H1 - Environment, Food and People

Hours: 24L/12T

Examines the relations between food, nature, and society. Food is fundamental to human existence, and central to most cultures; it also has significant and widespread effects on the physical and social environments. Food is used as a lens to explore human-environment interactions locally and globally. Serves as an introduction to environmental and human geography.

Exclusion: GGR107Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

Geography and Planning Courses

JEG100H1 - Introduction to Physical Geography and Earth Science

Hours: 24L/12P

This introduction to Physical Geography and Earth Sciences examines the atmosphere, lithosphere, hydrosphere, cryosphere and biosphere, emphasizing processes, flows of energy and materials, and the interconnectedness of these Earth systems. Specific topics include weather and climate, earth materials, geological and geomorphic processes involved in the genesis of landforms, river systems, glaciers, soils, and biomes. Six laboratory meetings during the term.

Exclusion: GGR100H1, ESS102H1, ESS262H1, EESA06H3

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

GGR112H1 - Geographies of Globalization, Development and Inequality

Hours: 24L/8T

Economic development and underdevelopment are taking shape in an increasingly interconnected global context. This course examines geographic approaches to "Third World" development, economic globalization, poverty, and inequality. It pays particular attention to the roles of rural-urban and international migration in shaping specific landscapes of development.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR124H1 - Cities and Urban Life

Hours: 24L/6T

Offers an introduction to North American cities and urbanization in a global context. It explores social, cultural, political and economic forces, processes, and events that shape contemporary urbanism. The course adopts the lens of 'fixity' and 'flow' to examine how the movement of people, ideas, goods, and capital, as well as their containment in the infrastructure and space of the city, give rise to particular urban forms.

Exclusion: GGR124Y1; GGR207H5

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR196H1 - Tracking Insect Life: The Political Ecology of "Bugs"

Hours: 24S

Have you wondered why we find a ladybug 'picturesque' but a cockroach 'disgusting'? Have you thought of butterflies as feminine and sublime, and bees as an army? Have you ever received advice in your workplace or school to avoid behaving like a 'mosquito,' meaning to resist engaging in micro-aggressive conducts? Have you been curious about why the film industry created an enlarged half human/half ant 'alien' creature to feed our worst fears? This course engages with these and other contradictory and complex renderings of insects in Western culture and around the world to investigate how we define the limits of social belonging in relation to space and place. The course explores how the anxieties and wonders around insects' behaviour are related to aspects of the human/nature relationship. By tracking the political ecology of insects, the course provides a first approximation to arguments about the connection between nature and culture and "lived-in" environments; also exploring themes of class, gender, race and settler colonialism. Because this is a first-year seminar, reading and engaging actively with the course material is important for this course.

The course also serves as an introduction to other subjects that are relevant to navigating post-secondary life, such as: critical reading; conducting university-level research; presenting and communicating ideas in the classroom; teamwork; and how to benefit from it; and developing social networks.

Restricted to newly admitted first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR197H1 - Nature, Conservation and Justice

Hours: 24S

Every day we read about climate change, species extinction, environmental degradation and the need for nature conservation. It is increasingly becoming apparent that the environmental problems that we face today arise from a deeper crisis relating to human ways of viewing and connecting to nature. This course asks how we can rework human ways of relating to nature, while querying the idea of "nature" and questioning the dominant approaches to nature conservation. It asks how can concerns for nature and for other species be balanced with that for human livelihoods and well-being? How can inequalities with regards to the distribution of environmental goods and bads be reduced? How are citizens and communities in the different parts of the world struggling against environmental injustice and to protect their local environments? How do these place-based movements demand justice and what visions do they articulate for a more just and sustainable world? How do indigenous worldviews offer conceptual resources for rethinking nature and our ways of relating to nature? The course will explore these questions using lectures, class discussion, videos and student presentations. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR198H1 - Political Spaces

Hours: 24S

Is space political? In what ways? What are the implications of thinking about politics geographically? How do political conflicts both invoke and transform space and place? What kinds of alternative political relationships to space and alternative mappings can we imagine? This course will attempt to answer those questions while exploring a wide range of possible contexts in which political spaces are evident. These may include: conflicts over the intimate spaces of the body, identity, and the home; the racialization and gendering of space; the politics of cities and urbanization; the boundaries of public and private space; struggles over land, property, resources and 'nature'; the political geographies of labour, citizenship and migration; globalization of economic markets and alternative economic political and social cartographies; borders, geopolitics, and the territorial politics of empire; and the geographic projects of colonialism, post-coloniality, modernity, and modernization. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR199H1 - Race, Conflict, and the Urban Landscape

Hours: 24S

This course will focus on how racial conflict affects the size, shape, composition, and landscape of cities. It will emphasize Canadian and American cities, but other international examples will be discussed for comparison. Ethno-racial conflict has been, and continues to be, an important force on cities throughout the world. Course topics will include housing and employment discrimination, ethno-racial uprisings, and inequality. The course will be a discussion-oriented blend of academic readings, popular journalism, and film. It will serve as an introduction to concepts that are dealt with in greater depth in second, third, and fourth year geography courses. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR201H1 - Geomorphology

Hours: 24L/8P

Introduction to the principles of geomorphology; earth materials; major features of crustal morphology; landforming processes of water, wind, waves and ice; human impact on earth surface processes. One hour laboratory session approximately every other week; a local field trip.

Exclusion: GGR201H5

Recommended Preparation: JEG100H1/ GGR100H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

GGR203H1 - Introduction to Climatology

Hours: 36L

Introduction to the large scale processes responsible for determining global and regional climate and atmospheric circulation patterns, as well as the small scale processes responsible for determining the microclimates of specific environments.

Prerequisite: Physics SPH3U

Recommended Preparation: JEG100H1/ GGR100H1; MAT133Y1, MAT135H1, MAT136H1, MAT137Y1; PHY131H1, PHY132H1, PHY151H1, PHY152H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

GGR205H1 - Introduction to Soil Science

Hours: 24L/4P

Introduction to soil science dealing with the chemical, physical, and biological properties of soils; soil formation and development; the classification of soils, and the application of soil science to environmental, agricultural and forestry issues. Field trip cost: \$20.

Recommended Preparation: CHM138H1/ CHM136H1,

CHM139H1/ CHM135H1; JEG100H1/ GGR100H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

GGR206H1 - Introduction to Hydrology

Hours: 30L/4P

Introduction to the hydrologic cycle with emphasis on the physical processes, including precipitation, interception, evaporation, runoff, ground water and soil water. Basic hydrological models will be practiced. Field trip cost: \$20.

Recommended Preparation: JEG100H1/ GGR100H1; MAT135H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

JGI216H1 - Globalization and Urban Change

Hours: 24L

Focusing on the impacts that global flows of ideas, culture, people, goods, and capital have on cities throughout the globe, this course explores some of the factors that differentiate the experiences of globalization and urban change in cities at different moments in history and in various geographic locations.

Recommended Preparation: GGR124H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR217H1 - Urban Landscapes and Planning

Hours: 24L/4T

Considers the role of planning in shaping the urban landscape through historical and contemporary examples that illustrate the interplay of modernist and post-modernist approaches to city building. Traces the origins, competing rationalities and lingering effects of planning in the production of urban space. Broaches possibilities for engaging planning critically to address challenges of social and environmental justice in cities today.

Exclusion: GGR361H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR225H1 - Power of Maps and Geographic Information

Hours: 24L/4P

This course examines the changing role of geographic information and maps in society. It considers how spatial information is produced, organized, and used in different historical, cultural, and political contexts. Topics examined include: the effects of the shift from print to digital mapping; implications of mobile spatial technologies and the geoweb; open source and open access; production and control of spatial data and information; and alternative cartographies. Introduces concepts of Geospatial Literacy, Critical Mapping and Critical GIS.

Exclusion: GGR375H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR221H1 - New Economic Spaces

Hours: 24L/4T

Provides an introduction to economic geography and economic geography theory from the 1970s on, illustrating the different ways that geographers have conceptualized the restructuring of resource industries, manufacturing and services. The crisis of Fordism and the rise of new production models will be given particular attention, along with the reorganization of finance, the rise of cultural industries and the globalization of commodity chains. New regimes of governance of the economy will also be considered.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR240H1 - Geographies of Colonialism in North America

Hours: 24L/5T

This course considers the creation and consolidation of settler colonies in the region known to many as North America. With an eye to the colonial present, the course focuses on the period from the 15th century to the early 20th century. Cultural texts and place-specific cases are used to ground themes and processes that also bear on the wider field of historical geography, including narratives of discovery and possession; ecological imperialism and environmental transformation; the (re)settlement of land and colonial government; enslavement and industrialization; frontiers, borders, and resource extraction; and some of the Indigenous geographies that preceded, were transformed by and transformed, and exceeded the reach of colonial power.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

GGR223H1 - Environment, Society and Resources

Previous Course Number: GGR222H1

Hours: 24L/6T

Focuses on society-environment relations and different approaches to resource governance and management. This includes exploration of the spatial, social, and political economic origins and implications of humans' changing relations to nature. Drawing on debates from environmental governance and political ecology literatures, the course also investigates the ways that different actors and institutions have framed and sought solutions to environmental and resource challenges.

Exclusion: GGR222H1/ GGR222Y1/ GGR233Y1/ JGE221Y1/ ENV222Y1/ ENV222H1 (if ENV222H1 was taken before 2012-13)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR241H1 - Geographies of Urban Social Exclusion

Hours: 24L

Introduction to the geographies of urban social exclusion and segregation after 1750. Using a selection of cities from around the world, the course examines the impacts and implications of urban social inequalities.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

GGR246H1 - Geography of Canada

Hours: 24L

Social and economic differences have been, and continue to be, a prominent feature of Canada's geography. In this course these differences are examined at a regional and local scale. The course adopts a thematic approach and considers issues such as historical development, urbanization, industrialization, immigration and population change, Canada's cultural mosaic and native issues. Emphasis will be placed on the evolution of social and economic policies and Canada's incorporation into a global economy.

Exclusion: GGR202H5

Recommended Preparation: GGR107H1, GGR124H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR254H1 - Geography USA

Hours: 24L

After a short historical overview of the making of America, this course focuses on contemporary issues in American society, economy, politics, race, regional distinctions and disparities, urban development.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

GGR251H1 - Geography of Innovation

Hours: 24L

Explores how new technologies and industries are generated and sustained, or failed to be. Focuses on the dynamics of leading technological sectors such as electronics, automobiles and biotechnology in their geographical and historical contexts. We critically scrutinise the iconic Silicon Valley along with other major innovative regions/nations, and investigate the key role of universities and finance in driving innovation and entrepreneurship.

Exclusion: GGR300H1 (2014-15)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR252H1 - Marketing Geography

Hours: 24L/4T

Geography matters in the success of both public and private sector organisations. Using mostly retail examples contemporary location problems are addressed. The geographies of demand and supply are analysed and trade area and site selection techniques are applied. The relevance of the planning context and utility of geovisualisation techniques such as GIS are also briefly considered.

Exclusion: GGR252H5

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR270H1 - Introductory Analytical Methods

Hours: 24L/12T

Theory and practical application of elementary quantitative techniques in geography emphasizing descriptive, inferential and spatial statistical analysis, probability, and sampling.

Exclusion: ECO220Y1/ ECO227Y1/ EEB225H1/ GGR270Y1/ LIN305H1/ POL222H1/ POL242Y1/ PSY201H1/ SOC202H1/ STA220H1/ STA248H1/ STA250H1/ STA261H1

Recommended Preparation: 0.5 FCE in Geography

Distribution Requirements: Social Science; Science

Breadth Requirements: The Physical and Mathematical Universes (5)

GGR271H1 - Social Research Methods

Hours: 24L

Practical course on field methods designed to enable students to carry out their own research projects. Behavioural observation, interviewing, questionnaire design, sampling theory, content analysis of written and graphic material, data coding and focus groups.

Exclusion: SOC200H1/ SOC204H1/ CRI350H1/ ENV223H1(from 2010-11)

Distribution Requirements: Social Science

GGR272H1 - Geographic Information and Mapping I

Hours: 24L/24P

Introduction to digital mapping and spatial analysis using geographic information systems (GIS). Students learn how to use GIS software to find, edit, analyze and map geographic data to create their own maps, analyze geographic problems and use techniques that can be applied to a variety of subject areas.

Exclusion: GGRB30H3, GGR272H5

Distribution Requirements: Social Science

Breadth Requirements: The Physical and Mathematical Universes (5)

GGR301H1 - Fluvial Geomorphology

Hours: 24L/4P

Elements of drainage basin morphology and hydrology, classification of rivers, stream patterns and hydraulic geometry. Elements of open channel flow, sediment transport and the paleohydrology of river systems. River channel adjustments to environmental change, human impact and the management/design of river habitats. Exercises include experimentation in a laboratory flume. **Usually offered every other year.** Field trip cost: \$20.

Prerequisite: GGR270H1 (or equivalent), and GGR201H1 or permission of instructor

Recommended Preparation: 10.0 FCE's including JEG100H1/GGR100H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

GGR273H1 - Geographic Information and Mapping II

Hours: 24L/24P

Builds on GGR272H1 by providing students with practical spatial analysis methods and the underlying theory needed to understand how to approach various geographic problems using geographic information system (GIS) software and a variety of data types and sources.

Prerequisite: GGR272H1

Exclusion: GGRB32H3

Distribution Requirements: Social Science

Breadth Requirements: The Physical and Mathematical Universes (5)

GGR305H1 - Biogeography

Hours: 24L

Identifies patterns in and explains processes behind plant and animal distributions through space and time. Topics covered include ecological and evolutionary dynamics, disturbance, dispersal, migration, continental drift, speciation, extinction, paleoenvironments and island biogeography. We also examine terrestrial and marine biomes, the meaning of biodiversity, conservation challenges, and recent biogeographic changes associated with human impact.

Exclusion: GGR305H5

Recommended Preparation: 8.0 FCE's including JEG100H1/GGR100H1 or (BIO120H1, BIO130H1)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

GGR299Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

GGR308H1 - Canadian Arctic and Subarctic Environments

Hours: 24L

We will explore the climate geomorphology, soils, hydrology, biogeochemical cycling, limnology and food web structures of the Arctic and Subarctic. Current stresses of climate change and pollution are discussed along with scientific and political solutions.

Prerequisite: Equivalent of one full-year science course at the 200-level or permission from the instructor.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

GGR310H1 - Bioenergy from Sustainable Forest Management

Hours: 24L/12P

Socio-economic, technical, political and environmental issues associated with the utilization of forest biomass (e.g., harvesting residues, thinnings, salvage, short rotation woody crops) for a source of renewable energy. Field trip cost: \$20.

Exclusion: FOR310H1

Recommended Preparation: Completion of at least 6 Science FCE's

Distribution Requirements: Science

Breadth Requirements: Society and its Institutions (3)

GGR320H1 - Geographies of Transnationalism, Migration, and Gender

Hours: 24L

This course examines recent changes in global migration processes. Specifically, the course addresses the transnationalization and feminization of migrant populations and various segments of the global labor force. The coursework focuses on analyzing classical paradigms in migration studies, as well as emerging theoretical approaches to gender and migration. In addition, it traces the shifting empirical trends in gendered employment and mobility patterns. It uses in-depth case study material to query the frameworks employed in migration studies and to understand the grounded implications of gendered migration. It pays particular attention to the interventions made by feminist geographers in debates about work, migration, place, and space.

Recommended Preparation: 8.0 FCE's

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR314H1 - Global Warming

Hours: 30L/6T

A comprehensive examination of the greenhouse warming problem, beginning with economic, carbon cycle, and climate model projections; impacts on and adaptive responses of agriculture, forests, fisheries, and water resources; options and policies to reduce greenhouse gas emissions.

Exclusion: GGR377H5

Recommended Preparation: 8.0 FCE's

Distribution Requirements: Science; Social Science

Breadth Requirements: The Physical and Mathematical Universes (5)

GGR321H1 - Indigenous Worlds, Worldviews and the Environment

Hours: 24L

Explores the diverse ways of understanding and responding to the world that emerge from indigenous cultures around the world. Examines how indigenous ways of being and relating to their natural environment can help us understand and address the current environmental crisis. Using examples of indigenous activism from Canada and around the world, examines how colonial histories shape dispossession and marginalization and inform visions for the future. Topics include traditional ecological knowledge, place-based social movements, environmental concerns of indigenous peoples, bio-cultural restoration and decolonization of nature-human relations.

Exclusion: JAG321H1

Recommended Preparation: 8.0 FCE's including 1.0 FCE in Geography and/or Aboriginal Studies (SOC SCI/BR=3)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

JUG320H1 - The Canadian Wilderness

Hours: 24L

The idea of wilderness permeates narratives of Canadian national identity, while policy-makers seek to manage and contain natural areas. This course compares and contrasts historical and contemporary wilderness narratives in literature, painting and film with policies in areas such as conservation, urban planning, land claims and tourism.

Recommended Preparation: 8.0 FCE's

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

JGE321H1 - Multicultural Perspectives on Environmental Management

Hours: 24L

Diverse approaches to environmental issues in a variety of multicultural settings are introduced, compared and analyzed, using case studies. Perspectives on environmental management will be discussed as they emerge from contexts such as Latin America, Asia, or Africa.

Prerequisite: ENV221H1/ ENV222H1/ GGR222H1/ GGR223H1

Exclusion: ENV321Y1

Recommended Preparation: 8.0 FCE's

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR326H1 - Remaking the Global Economy

Hours: 24L

Examines links between global economic integration and geographically uneven economic development. Focuses on debates and empirical studies on global production networks (GPNs), and associated issues such as offshoring, outsourcing, and upgrading. Blends analysis of both theory and practice of business firms and regional development. Seeks to develop an in-depth understanding of the key actors driving contemporary global economic transformation, within the 'transnational space' constituted and structured by transnational firms, state institutions, and ideologies.

Prerequisite: 7.5 FCE's

Exclusion: GGR300H1 (2013-14)

Recommended Preparation: GGR112H1/ GGR220H1/ GGR221H1 GGR251H1, 1.0 FCE in Geography (SOC SCI/BR=3) at the 200+ level

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR323H1 - Issues in Population Geography

Hours: 24L

Explores issues in the geographies of population at a variety of scales from global to local. Topics include an investigation of the mechanics of population growth, theories of population, population growth through time, migration, the impact of population growth on the environment and the social and economic consequences of population change.

Exclusion: GGR208H5

Recommended Preparation: 8.0 FCE's including GGR107H1, GGR124H1, GGR246H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR327H1 - Geography and Gender

Hours: 24L

Introduction to the work of feminist geographers. The course will explore the relationship between gender and space, emphasizing spatial cognition, architecture, and layout of the city.

Exclusion: GGR313H5

Recommended Preparation: 8.0 FCE's including 1.0 FCE in Geography (SOC SCI/BR=3)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

JUG325H1 - Landscapes of Violence in Canada

Hours: 24L

This course examines how violence is enacted in Canada, at various scales, and across domestic, urban, national, and international landscapes. We will interrogate what is meant by violence; examine its colonial, racial and patriarchal dimensions; explore the impact on people and communities; and attend to forms of resistance and repair.

Recommended Preparation: CDN267H1, CDN268H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR328H1 - Labour Geographies

Hours: 24L

Explores changes in the nature of work and the structure and geography of labour markets. Topics will include globalization, lean production, flexibility and risk, industrial relations, workfare, the body at work, and gender and work.

Prerequisite: 7.5 FCE's including 1.0 FCE in Geography (SOC SCI/BR=3)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR329H1 - The Global Food System**Hours:** 24L

Explores the changing global geographies of food by tracing international movements of food through both mainstream and 'alternative' supply chains. The implications for sustainability, food security, community autonomy and health are investigated.

Exclusion: GGR287H5**Recommended Preparation:** 8.0 FCE's including 1.0 FCE in Geography (SOC SCI/BR=3). GGR107H1 recommended.**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**GGR336H1 - Urban Historical Geography of North America****Hours:** 24L

This course explores the emergence and reproduction of class and racial social spaces, the development of new economic spaces, and the growing importance of the reform and planning movements. Emphasis is on metropolitan development between 1850 and 1950.

Recommended Preparation: 8.0 FCE's including one of GGR124H1, GGR241H1, GGR254H1**Distribution Requirements:** Humanities; Social Science**Breadth Requirements:** Society and its Institutions (3)**JGE331H1 - Resource and Environmental Theory****Hours:** 24L

Introduction to and critical evaluation of major ideas and conceptual traditions underpinning environmental and natural resource politics and regulation. Topics include: parks and protected areas, market-based environmental regulation, property rights and conservation, Malthusianism, and biodiversity conservation. Emphasis is placed on critical reading of primary texts.

Prerequisite: GGR100H1/ JEG100H1/ GGR107H1/ ENV221H1/ ENV222H1/ GGR222H1/ GGR223H1**Recommended Preparation:** 8.0 FCE's**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**GGR337H1 - Environmental Remote Sensing****Hours:** 24L/24P

Principles of optical, active and passive microwave remote sensing; satellite orbit and sensor characteristics; image processing and analysis techniques and software; and environmental remote sensing applications.

Exclusion: GGR337H5**Recommended Preparation:** JEG100H1/ GGR100H1, GGR272H1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**GGR338H1 - Environmental Issues in the Global South****Hours:** 24L

Describes and analyses a range of key environmental issues in the context of the Global South. Topics covered include: air quality and water supply, solid waste management, impacts of and responses to environmental change. Considers factors that influence distribution of environmental costs and benefits in geographic and historical terms. Also examines technologies and policy paradigms that have framed and sought to address environmental issues in the Global South.

Recommended Preparation: 8.0 FCE's including one of GGR107H1, GGR223H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**GGR334H1 - Water Resource Management****Hours:** 24L

Managing demand and supply; linkages between water quality and human health. Case studies from the industrial world and from developing countries, rural and urban. Implications of population growth and climate change for water resource management.

Exclusion: GGR288H5**Recommended Preparation:** 8.0 FCE's including one of JEG100H1/ GGR100H1, GGR107H1, GGR223H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)

GGR339H1 - Urban Geography, Planning and Political Processes

Hours: 24L

Investigates North American urban political geography, exploring conflicts over immigration, environment, gentrification, homelessness, labour market restructuring, 'race' and racism, urban sprawl, nature and environment, gender, sexuality, security, and segregation. Explores competing visions of city life and claims on urban space. The course investigates how these struggles connect to economic, social and environmental politics at larger spatial scales, and considers different theoretical frameworks that geographers have developed to make sense of both the persistence of old problems and the emergence of new ones. Field trip cost: \$20.

Exclusion: GGR349H5

Recommended Preparation: 8.0 FCE's including GGR124H1, GGR246H1/ GGR254H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR342H1 - The Changing Geography of Southeast Asia

Hours: 24L

Examines changes in the social, political and economic geography of Southeast Asian countries. Examples drawn from Thailand, Singapore, Indonesia, Vietnam and the Philippines as these emerging newly industrialized countries enter the 21st century. Emphasis on political-economy, urbanization and environment since 1950.

Recommended Preparation: 8.0 FCE's including 1.0 FCE in Geography (SOC SCI/BR=3)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR343H1 - The Changing Geography of China

Hours: 36L

The evolving social, political and economic landscape of China. Focus on development strategies and their effects on agriculture, industry, urbanization, city planning and the environment since 1949. Special attention paid to the interconnected development trajectories shaping urban and rural areas, together with the complex interactions between the built and social environments.

Prerequisite: 8.0 FCEs

Recommended Preparation: 1.0 FCE in Geography (SOC SCI/BR=3)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

JGI346H1 - The Urban Planning Process

Hours: 24L

Overview of how planning tools and practice shape the built form of cities. This course introduces twentieth century physical planning within its historical, social, legal, and political contexts. Community and urban design issues are addressed at local and regional scales and in both central cities and suburbs. The focus is on Toronto and the Canadian experience, with comparative examples from other countries, primarily the United States. Transportation costs: \$20.

Exclusion: GGR361H5

Recommended Preparation: 8.0 FCE's including GGR124H1, INI235H1, INI236H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR341H1 - Changing Geography of Latin America

Hours: 24L

Seeks to develop a general understanding of present-day Latin America by focusing on human-environment interactions, past and present. Case studies are used to understand the diversity of Latin American landscapes (physical and cultural), and how they are changing within the context of globalization.

Exclusion: GGR249H

Recommended Preparation: 8.0 FCE's including 1.0 in Geography (SOC SCI/BR=3)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR347H1 - Efficient Use of Energy

Previous Course Number: JGE347H1

Hours: 24L/6T

Examines the options available for dramatically reducing our use of primary energy with no reduction in meaningful energy services, through more efficient use of energy at the scale of energy-using devices and of entire energy systems. Topics covered include energy use in buildings, transportation, industry, and agriculture. **Offered alternate years from GGR348H1.**

Prerequisite: Physics SPH3U

Exclusion: GGR333H1, JGE347H1

Recommended Preparation: 8.0 FCE's including first year Math and/or Physics

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

GGR349H1 - Managing Urban Natures

Hours: 24L

Recent calls to action by the Intergovernmental Panel on Climate Change and the World Wildlife Fund indicate we are at a crossroads in responding to accelerating global warming and biodiversity loss. Cities are often at the forefront of these transformations, both in feeling their effects but also initiating responses. How might we reimagine our cities in a way that promotes thriving and equitable ecosystems? What tools exist in the policy landscape to initiate needed changes? What innovative responses are emerging to confront the challenges of increased flooding, rising temperatures, habitat fragmentation, and food insecurity? How might we reimagine an urban commons? With a primary focus on Canadian cities, in this course we explore the ways divergent conceptualizations of urban-nature have informed policies and practices drawing largely from critical, political ecology, and Indigenous perspectives; the policy landscape that informs current urban planning; and new and innovative approaches that help us to reshape and reimagine our relationships to urban nature, including initiatives led by municipalities, non-government organizations and citizens groups.

Prerequisite: 8.0 FCEs

Exclusion: GGR300H1 (Topics: Managing Urban Natures), offered in Fall 2017

Recommended Preparation: GGR223H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR348H1 - Carbon-Free Energy

Previous Course Number: JGE348H1

Hours: 24L/6T

Examines the options available for providing energy from carbon-free energy sources: solar, wind, biomass, nuclear, and fossil fuels with capture and sequestration of CO₂. The hydrogen economy is also discussed. **Offered alternate years from GGR347H1.**

Prerequisite: Physics SPH3U

Exclusion: GGR333H1, JGE348H1

Recommended Preparation: 8.0 FCE's including first year Math and/or Physics

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

GGR352H1 - Understanding Spatiality

Hours: 24L

Investigates the changing nature of space and our thinking about it, introducing students to a wide range of contemporary geographers and spatial theorists such as Lefebvre, Soja, Gregory, Harvey, Massey and others as well as challenges to this thinking - voices from the margins or peripheries. It will explore changing conceptions of spatiality that inform geographic thought and that help us understand the ways in which political, economic and social power is constituted and contested at a range of spatial scales.

Recommended Preparation: 8.0 FCE's including 1.0 FCE in Geography (SOC SCI/BR=3)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR354H1 - Infrastructure

Previous Course Number: GGR300H1 (20175)

Hours: 24L

Infrastructure is the term that describes the transportation systems, sewers, pipes, and power lines that provide urban dwellers with necessary public services. In recent years, billions of dollars of public money have been spent upgrading existing infrastructure, and planning and delivering new facilities. Infrastructure has many impacts on the way that people in cities live. The way that infrastructure systems are planned, financed, and distributed impact on environmental sustainability, job creation, social equity, economic development, and urban livability. Moreover, infrastructure has the potential to both serve existing populations, and shape the way that future communities are built. Through lectures, discussions, workshops, readings of scholarly articles and case studies, the course will aim to engage students in the key topics and debates related to the provision of urban infrastructure. Topics to be covered will include: project planning, causes and cures for cost overruns, funding models, financing mechanisms such as public-private partnerships, and the politics of facility planning and management.

Prerequisite: 8.0 FCEs

Exclusion: GGR300H1 (Topics: Infrastructure), offered in Summer 2017

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR359H1 - Comparative Urban Policy

Hours: 24L

This course considers urban public policy. Urban policy is not natural or inevitable response to urban problems. It is actively produced (and contested) by an array of voices, institutions, and social forces. Actualized urban policies are thus best understood and evaluated as products of these influences. The first half of the course will cover broad theoretical matters pertaining to the production of urban policy. The second half of the course will focus more intensively on one problem—urban decline—and explore the actualized approaches that have been brought to bear to manage it.

Prerequisite: 7.5 FCE's including 1.0 FCE in Geography (SOC SCI/BR=3)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR360H1 - Culture, History, and Landscape

Hours: 24L

The history of approaches to the idea of landscape. A consideration of the origins and uses of the term in geographical inquiry will be followed by a series of case studies, global in scope, from the Early Modern period to the present. Emphasis will be placed on the representational and lived aspects of landscapes, as well as struggles over their definition, interpretation, and use.

Recommended Preparation: 8.0 FCE's including 1.0 FCE in Geography (HUM/BR=1 or SOC SCI/BR=3)

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GGR363H1 - Critical Geographies: An Introduction to Radical Ideas on Space, Society and Culture

Hours: 36L

Introduces a diversity of critical perspectives for geographers and others, including anarchism, Marxism, feminism, sexual politics, postcolonialism, anti-imperialism and anti-racism. In so doing it illustrates how such radical ideas about space, society and culture have contributed to our political thought and action.

Recommended Preparation: 8.0 FCE's including 1.0 FCE in Geography (SOC SCI/BR=3)

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

GGR372H1 - GIS for Public Health

Hours: 24L/12P

The goal of this course is to leave students with appreciation of the power of Geographic Information Systems (GIS) to explore and analyze spatial health and medical data. The course will focus on organizing health data in a GIS, clustering detection methods, and basic spatial statistics. Other topics like agent-based models and visualization techniques will be touched upon. Lab work will provide hands on experience with example data, leaving students with a firm grasp of contemporary health and medical problems and a skill set of spatial analytical methods that can be used to solve them.

Prerequisite: 8.0 FCEs

Exclusion: GGR300H1(2015-2016), GGR335H5

Recommended Preparation: GGR270H1, GGR272H1

Distribution Requirements: Science; Social Science

Breadth Requirements: Society and its Institutions (3)

GGR382H1 - Field Course in Human Geography

Introduction to field studies in human geography. The course includes exercises and a project during a one-week field study in late August or early September, some preparation during the preceding summer and complementary practical work and/or seminars during the Fall Term. Each student is required to pay the costs of their transportation and accommodation (field trip costs: \$500). Students must register with the department in the spring. Course is limited by size. Preference given to Geography SPE/MAJ/MIN. Applications open to all students. Not eligible for CR/NCR option.

Prerequisite: Permission of instructor

Exclusion: GGR389H5

Recommended Preparation: 8.0 FCE's

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR373H1 - Advanced Geographic Information Systems

Hours: 24L/24P

Advanced theory, techniques, and applications in geographic information systems (GIS), including interpolation, geostatistics, modeling, and raster and vector analysis. GIS project design and implementation.

Prerequisite: GGR273H1

Distribution Requirements: Science; Social Science

Breadth Requirements: The Physical and Mathematical Universes (5)

GGR374H1 - Urban Dynamics

Hours: 24L

This course will focus on the social and economic repercussions associated with the formation and evolution of polycentric urban regions in response to global economic restructuring. Foci will include the importance of knowledge and innovation in the process of economic development, social and economic polarization at multiple spatial scales, planning interventions to address these polarities, and strategies and tactics in the promotion of more sustainable urban-centred regional economies.

Recommended Preparation: 8.0 FCE's including 2.0 FCE's in Geography (SOC SCI/BR=3). A statistics course (GGR270H1 or other) would be an asset.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR385H1 - Special Topics in Geography

Previous Course Number: GGR300H1

Hours: 24L

Content in any given year varies by instructor. Students must meet the prerequisites set by the department (see the Geography website for details in May). The program in which this course can be used depends on its content.

GGR386H1 - Special Topics in Geographic Information Systems

Previous Course Number: GGR300H1

Hours: 24L

Content in any given year varies by instructor. Students must meet the prerequisites set by the department (see the Geography website for details in May). Can be used towards GIS, Human Geography, and Environmental Geography programs.

Prerequisite: GGR272H1

GGR387H1 - Special Topics in Environmental Geography

Previous Course Number: GGR300H1

Hours: 24L

Content in any given year varies by instructor. Students must meet the prerequisites set by the department (see the Geography website for details in May). Can be used towards Environmental Geography and Human Geography programs.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR390H1 - Field Methods

Introduction to field methods in geomorphology, vegetation mapping/analysis, soils, hydrology, and climatology. The course includes exercises and a group project during a one-week field camp, a little preparation during the preceding summer, and complementary practical work and/or seminars during the Fall Term. Each student is required to pay the costs of their transportation and accommodation (field trip costs: \$300). This course meets the field requirement for Physical & Environmental Geography programs. The field camp normally runs for one week at the end of August. Students must register with the Department by April. Consult with the department in case of conflict or concerns. Course may be limited by size. Not eligible for CR/NCR option.

Prerequisite: 1.0 from JEG100H1/ GGR100H1, GGR201H1, GGR203H1, GGR205H1, GGR206H1, GGR305H1, ESS102H1, ENV234H1, or permission of the instructor

Recommended Preparation: 8.0 FCE's including GGR270H1

Distribution Requirements: Science

GGR388H1 - Special Topics in Physical & Environmental Geography

Previous Course Number: GGR300H1

Hours: 24L

Content in any given year varies by instructor. Students must meet the prerequisites set by the department (see the Geography website for details in May). Can be used towards Physical & Environmental Geography and Environmental Geography programs.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

GGR398H0 - Research Excursions

Hours: TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

GGR389H1 - Special Topics in Human Geography

Previous Course Number: GGR300H1

Hours: 24L

Content in any given year varies by instructor. Students must meet the prerequisites set by the department (see the Geography website for details in May). Can be used towards Human Geography programs.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR398Y0 - Research Excursions

Hours: TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

GGR399Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

GGR400H1 - Special Topics in Geography I**Hours:** 24S

Content in any given year depends on instructor. The program in which this course can be used depends on its context. Consult Departmental Office in April.

Prerequisite: 10.0 FCE's**Recommended Preparation:** 2.0 FCE's in GGR (HUM/BR=1 or SOC SCI/BR=3)**Distribution Requirements:** Social Science**GGR413H1 - Watershed Hydroecology****Hours:** 24L

Modern developments in hydrology and ecology, including form and process models, interactions of hydrology, ecology and geomorphology; the course emphasizes the use of computer simulation models of drainage basin processes.

Prerequisite: 10.0 FCE's**Recommended Preparation:** GGR201H1, GGR206H1, GGR270H1, GGR272H1 or GGR337H1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**GGR401H1 - Special Topics in Geography II****Hours:** TBA

Content in any given year depends on instructor. The program in which this course can be used depends on its context. Consult Departmental Office in April.

Prerequisite: 10.0 FCE's**Recommended Preparation:** 2.0 FCE's (science) in any of GGR/ESS/BIO/CHM/EEB/FOR**Distribution Requirements:** Science**GGR414H1 - Advanced Remote Sensing****Hours:** 18L/8T/4P/2S

Building on GGR337H1 Environmental Remote Sensing with advanced theories and techniques for land cover mapping, vegetation biophysical and biochemical parameter retrievals, optical and thermal remote sensing of urban environment, and application of satellite remote sensing to terrestrial water and carbon cycle estimation. Basic radiative transfer theories as applied to vegetation will be given in some detail as the basis for various remote sensing applications. Optical instruments for measuring vegetation structural parameters will be demonstrated in the field.

Prerequisite: 10 FCEs including GGR337H1**Recommended Preparation:** GGR272H1, GGR273H1, GGR373H1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**GGR405H1 - Sustainable Systems for Natural Resources Management****Hours:** 24S

This seminar examines the scientific foundations of sustainable natural resource management. Will consider frameworks to assess management and production systems for renewable natural resource and energy development in relation to specific landscapes. Constraints and opportunities to achieving sustainability objectives in different systems will be examined through theoretical and case study evaluations drawn from research literatures. Seminar and self-directed inquiry through individual and team projects. Field trip transportation cost: \$100.

Prerequisite: 10.0 FCE's**Exclusion:** GGR401H1 (2012-13)**Recommended Preparation:** 2.0 FCE's (science) in any of GGR/BIO/CHM/EEB/ESS/FOR**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**GGR416H1 - Environmental Impact Assessment****Hours:** 24L/4T

Environmental impact assessment (EIA) as a mechanism for avoiding or mediating the potential costs of development. The course focuses on the theory and practice of EIA in Canada in general and Ontario in particular. Using a broad definition of environment, various components of EIA are addressed, with an emphasis on principles, legal and institutional frameworks, stages in the process, and specific analytical techniques.

Prerequisite: 10.0 FCE's, 2.0 FCE's in Geography including GGR270H1, GGR271H1**Recommended Preparation:** One of GGR222H1/ GGR223H1 or ENV236H1/ JGE236H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)

GGR418H1 - Political Economy of Natural Resources

Hours: 24S

Examines political aspects of the appropriation of natural resources, including policy and regulation, environmental impacts, and social justice. Emphasis is placed on reading contemporary literature on the politics of resource access and control from geography and other social science disciplines.

Prerequisite: 10.0 FCE's including GGR223H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR421H1 - Histories of Geographical Thought

Hours: 24S

The history of geography as an intellectual subject, focusing primarily on the modern period, and on the genealogies of central concepts. Disciplinary developments will be situated next to broader contexts, including imperialism and militarism, the relationship between culture and nature, and the shifting social role of the academy.

Prerequisite: 10.0 FCE's

Recommended Preparation: 2.0 FCE's in Geography (HUM/BR=1 or SOC SCI/BR=3)

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

GGR419H1 - Environmental Justice

Hours: 24S

Examines how environmental problems affect people, communities and societies differentially and how marginalized communities and people often bear the brunt of environmental costs, while contributing little to their creation. It uses readings and case studies from across the globe to address the production of environmental injustice and the struggle for environmental justice.

Prerequisite: 10.0 FCE's

Recommended Preparation: 1.0 FCE in Geography (SOC SCI/BR=3)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR424H1 - Transportation Geography and Planning

Previous Course Number: GGR324H1

Hours: 24L

Introductory overview of major issues in interurban and intraurban transportation at the local, national and international scale. Topics include urban transportation, land use patterns and the environment, causes of and cures for congestion, public transit, infrastructure finance, and transport planning and policy setting.

Prerequisite: 10.0 FCE's including one of GGR124H1/ GGR220H1/ GGR221H1

Exclusion: GGR324H1, CITC18H3

Recommended Preparation: GGR270H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR420H1 - Critical Development Geography

Hours: 24L

Examines the politics and processes shaping economic globalization and international development. The course will review a range of critical approaches to development, the historical geography of uneven development, and some emerging approaches to critical development studies. The course focuses on recent scholarly discussions about how to define international development and pays particular attention to the relationships between migration and development in theory and practice. It takes seriously the politics of difference (race, ethnicity, class, gender, nationality and sexuality) and inequality in the critical study of international development research and practice.

Prerequisite: 10.0 FCEs

Recommended Preparation: GGR112H1 or GGR124H1; GGR320H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR430H1 - Geographies of Markets

Hours: 36S

Focuses on actually-existing markets and their geographically-mediated formation and assemblage. Explores how markets are produced, stabilized, reshaped and fall apart at multiple geographic scales. We examine issues such as the debates on states versus markets, embeddedness of markets, neoliberalism and moral justification of markets, varieties of capitalism, regionally variegated capitalism, post-socialist market transitions, and the dynamic evolution of market institutions and economic landscapes.

Prerequisite: 10.0 FCE's including at least 1.0 FCE in 300+ Geography (SOC SCI/BR=3)

Exclusion: GGR400H1(2013-14)

Recommended Preparation: GGR220H1/ GGR221H1, GGR326H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR431H1 - Regional Dynamics

Hours: 24L

Economic activity, and related indices of socioeconomic well-being and human capital, have always tended to concentrate in space, leaving specific regions to be classified as “creative”, “developed”, or “core” regions and others as “have-not”, “less-developed”, “peripheral”, or “marginal” regions. As a result, regional economic change has been very difficult to fully explain (and certainly predict) using conventional (orthodox) theories and methods. This course examines the theoretical linkage between related trends in terms of globalization, vertical disintegration, specialization, innovation, and the locational behaviour of firms. We will focus on the seemingly counter-intuitive finding that regional economic change in a time of increasing global interdependence is increasingly dependent on the local context. Topics will include evolutionary economic geography, path dependence, economic clusters, learning regions, the role of institutions, knowledge spill-overs, and the geography of innovation, among others. We will see why the economic activity is becoming ever more concentrated in space even as it globalizes. The course makes extensive use of empirical case studies from around the globe.

Prerequisite: 10.0 FCE's including GGR221H1 or GGR251H1

Recommended Preparation: GGR326H1, GGR270H1. A statistics course (GGR270H1 or other) would be an asset.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR434H1 - Building Community Resilience

Hours: 36S

Examines concepts of resilience as a way of building the capacity of communities to (a) respond to predicted disruptions/shocks associated with climate change, global pandemics, anticipated disruptions in global food supply, energy insecurity, and environmental degradation; and (b) nurture the development of alternative spaces that support the emergence of more life-sustaining structures and practices. Includes explicit attention to equity and public health, and explores issues such as: participatory governance of social-ecological systems, the nature of social change, complexity science, the role of social movements, indigenous and political ecology perspectives.

Prerequisite: 10 FCEs

Exclusion: GGR400H1 (2011-12)

Recommended Preparation: 1.0 FCEs in Geography

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR438H1 - Environment and Development

Hours: 36S

Examines the implications of development – as an economic and social project – for how the environment is used, by whom, and to what ends. Draws on literatures in political ecology and critical development geography. Topics include: interpretations of scarcity and degradation, questions of consumption, and the greening of development. Examines expansion of and struggles over new forms of green infrastructure in urban and rural settings.

Prerequisite: 10 FCE's

Recommended Preparation: 1.0 FCE in Geography (SOC SCI/BR=3)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR439H1 - Global Political Geography

Hours: 36S

Introduction to geopolitical theories. Emphasis on the development of the nation state, theories of land claims and the territorial manifestations of nationalism. Will examine recent theoretical as well as empirical challenges to many of the conventional geopolitical assumptions about scale, space, and power in global politics. Please note that this course is open to students who have taken GGR239H1 (formerly Global Political Geography).

Prerequisite: 10.0 FCE's

Recommended Preparation: 1.0 FCE in Geography (SOC SCI/BR=3)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR452H1 - Space, Power, Geography: Understanding Spatiality

Hours: 24S

Our understanding of space and power has shifted radically in the past half century. Space no longer implies only regions, nations or territory; power is not simply a question of domination, control, or forms of political representation. Space and power are intricately related. This course explores a shift in our ways of thinking about space and power, focusing specifically on the works of Michel Foucault and Gilles Deleuze. Through the works of Deleuze and Foucault, students are introduced to a variety of ways that space and power are organized and contested. The course begins with the maps in our heads: what kinds of spatial systems organize dominant world-views, how have these changed over time? What spatial metaphors do we use to think about power – as hidden and operating at a depth, or as a surface effect? How does the social organization of space figure in the development of different technologies and techniques of power? How do technologies of power become organized, serialized, dispersed, transformed and contested?

Prerequisite: 10.0 FCE's including at least one (or an equivalent) of GGR327H1, GGR328H1, GGR339H1, GGR352H1, GGR360H1, GGR363H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR456H1 - Entanglements of Power: Race, Sexuality and the City

Hours: 24S

This course investigates the city as a space sculpted by particular configurations and relations of power, and productive of those forms. It considers shifting urban geographies of identity, economy and desire with a focus on race and racism, settler colonialism, empire, the laboring body, sexuality, and sexual identity. Course participants will engage a series of case studies of particular urban spaces and struggles, drawing on conceptual support from scholarship in urban geography, anti-colonial thought, political economy, black studies, feminist and queer theory, Indigenous and settler colonial studies, as well as literature and other artistic work.

Prerequisite: 10.0 FCEs

Exclusion: GGR400H1 (Special Topics in Geography I: Entanglements of Power: Race, Sexuality and the City), offered in Fall 2018

Recommended Preparation: 2.0 FCEs in GGR

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR457H1 - The Post-War Suburbs

Hours: 24L

Investigates post-war suburbs, beginning with an examination of their competing contemporary meanings. It considers images of prosperous private enclaves, of declining and difficult to access places, of racialized and segregated areas, of banality and homogeneity, of precarity and polarization, and of creative social struggles. It assesses these different visions through an analysis of urban growth and change since WWII. The course will focus on themes of public and private space; class, race and segregation; gender and suburban space; immigration; urban sprawl, and the changing social and economic geography of the suburbs. It examines North American areas, with examples from Australia and Europe.

Prerequisite: 10 FCEs

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

JGI454H1 - The Role of the Planner: Making a Difference

Hours: 24L

Focuses on the role of a planning practitioner in contemporary society using a wealth of examples drawn from recent issues and debates in Canadian cities and regions. The course will walk students through the demands made of planners in terms of both technical expertise as well as political necessity and ask them to think actively about how to prepare for the extraordinary growth of cities during the next century. Examples of issues that will be discussed in some detail include the myths surrounding the city vs. the suburbs, the creativity and passion involved in planning work and the need to see Toronto's future from a regional perspective.

Prerequisite: 14.5 FCEs, 5.0 of which must be GGR/INI Urban Studies

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR458H1 - Selected Topics in Urban Geography

Hours: 24L

This course focuses on a special topic in urban geography and covers it with more depth than would otherwise be the case in a survey-oriented class. The aim is to utilize this single topic as a vehicle to understanding how urban geographical ideas are produced more widely. Check the department website for the theme (updated each year).

Prerequisite: 10.0 FCE's

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR472H1 - Developing Web Maps

Hours: 24L

Explores the power of web mapping and CyberGIS, with a focus on hands-on learning and open source software. Students will learn about relevant software (exploring various APIs), data structures, methods, and cartographic and visualization techniques. Finally, students will work in groups to develop and deliver their own online web maps from scratch, on a topic of their choosing.

Prerequisite: 10.0 FCEs including GGR272H1 and GGR273H1

Exclusion: GGR400H1 (2015-2016)

Distribution Requirements: Social Science

Breadth Requirements: The Physical and Mathematical Universes (5)

GGR460H1 - Global Cities, Urban Planning, Critical Theory

Previous Course Number: GGR400H1 (20181)

Hours: 36S

This seminar addresses the relationship between urbanization and global economic, political, cultural, social, demographic, technological and ecological dynamics. It does so with an emphasis on the contested legacies of city planning, urban design, architecture and urban political activism, by drawing on historical studies of global cities as well as critical-theoretical perspectives on the 'production of space'. While broaching the question what's 'production of space' got to do with social justice, we explore—with reference to pioneering thinkers in the fields of planning, architecture and critical theory—such concepts as radical planning, the urban revolution and the right to the city.

Prerequisite: 10.0 FCEs

Exclusion: GGR400H1 (Topics: Planning and Global Cities), offered in Winter 2018

Recommended Preparation: 1.0 FCE in Geography (SOC SCI/BR=3)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR473H1 - Cartographic Design

Hours: 12L/24P

Design and production of maps using GIS cartographic and graphics software packages. Map perception and map use, principles and elements of cartographic design, data acquisition and manipulation, production and reproduction of maps and atlases. Practical exercises culminate in a major project in thematic map design.

Prerequisite: 10.0 FCE's including GGR272H1, GGR273H1, GGR373H1

Exclusion: GGR380H5

Distribution Requirements: Social Science

GGR462H1 - GIS Research Project

Hours: 24L

Students work in groups to develop their own research project and then acquire, organize and analyze geographic data to complete it. Emphasis is placed on research design, project management and the application of GIS concepts and skills learned in previous courses to a practical problem.

Prerequisite: GGR373H1

Distribution Requirements: Science; Social Science

Breadth Requirements: The Physical and Mathematical Universes (5)

GGR481H1 - Field Course in Environmental Geography

Hours: TBA

Introduction to field studies in environmental geography. The course may include individual assignments and group work. Field trips are concentrated during a one-week period in late August or early September. Some preparation during the preceding summer may be required. Periodic course meetings and shorter field trips continue, along with course work, during the Fall Term. Each student is required to pay the costs of their transportation and accommodation (field trip costs: \$100). Students must register with the Department by April. Course may be limited by size. Not eligible for CR/NCR option.

Prerequisite: Permission of instructor

Exclusion: GGR381H1

Recommended Preparation: 10.0 FCE's including 3.0 FCE's in Geography (SOC SCI/BR=3)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

GGR482H1 - Toronto Field Course**Hours:** TBA

Examines the production of urban landscapes, built environments and social spaces in Toronto and surrounding areas through indepth case studies. Coverage will vary some depending on instructor. The course consists of local field trips and in-class seminars and lectures. Students must apply with the Department. Contact the Department in January for deadlines. Course is limited by size. Preference given to Geography SPE/MAJ/MIN. Applications open to all students. Not eligible for CR/NCR option. Field trip costs: \$150.

Prerequisite: 10.0 FCE's**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**GGR491Y1 - Research Project****Hours:** TBA

Specially designed for students wishing to gain experience in conducting research in their area of specialization. Of particular value for geographers interested in graduate study, or positions in government, planning and consulting firms where research skills may be an asset. Students select a research problem and complete a project under the supervision of a faculty member. Enrolment requires written permission from a faculty supervisor and Associate Chair, Undergraduate; early discussion with a likely supervisor is encouraged. Enrolment may be completed at any time up to September; open to students in a Specialist or Major Program sponsored by the Department of Geography. Not eligible for CR/NCR option.

Prerequisite: 10 FCEs**Distribution Requirements:** Social Science**GGR492Y1 - Senior Practicum****Hours:** TBA

Students design and implement an independent applied geography/planning/GIS project in consultation with an employer (paid or volunteer), who will act as their "client". Enrolment required written permission from a staff supervisor and Associate Chair, Undergraduate. Only open to students who have completed 10 FCEs and who are enrolled in a Specialist, Major or GIS minor program sponsored by the Department of Geography. Not eligible for CR/NCR option.

Distribution Requirements: Social Science**GGR492H1 - Senior Practicum****Hours:** TBA

Students design and implement an independent applied geography/planning project in consultation with an employer (paid or volunteer), who will act as their "client." Enrolment requires written permission from a staff supervisor and Associate Chair, Undergraduate. Only open to students who are enrolled in a Specialist or Major program sponsored by the Department of Geography. Not eligible for CR/NCR option.

Distribution Requirements: Social Science**GGR493Y1 - Geography Professional Experience****Hours:** TBA

Undertake professional placement matching academic interests and career goals. Students meet regularly during the year in class to cover topics such as: reflective writing, project management, career planning, and the application of academic skills in professional contexts. Research project required that connects a topic related to placement with academic literatures. Normally, one day per week spent at placement site. For students in their final year of a Geography major or specialist program of study, or the GIS Minor. Satisfies program requirements based on internship. Space limited. Applications are reviewed in early spring. Not eligible for CR/NCR option.

Prerequisite: 14.5 FCEs; must be enrolled in a GGR Major or Specialist, or GIS Minor; permission of instructor.**GGR496H1 - Independent Research****Hours:** TBA

Independent research extension to one of the courses already completed in Geographic Information Systems. Enrolment requires written permission from a faculty supervisor and Associate Chair, Undergraduate. Only open to students who have completed 10 FCEs and who are enrolled in the GIS program sponsored by the Department of Geography. Not eligible for CR/NCR option.

Prerequisite: 10.0 FCEs

GGR497H1 - Independent Research**Hours:** TBA

Independent research extension to one of the courses already completed in Environmental Geography. Enrolment requires written permission from a faculty supervisor and Associate Chair, Undergraduate. Only open to students who have completed 10 FCE's and who are enrolled in a Specialist or Major program sponsored by the Department of Geography. Not eligible for CR/NCR option.

Prerequisite: 10.0 FCE's**Distribution Requirements:** Social Science**GGR498H1 - Independent Research****Hours:** TBA

Independent research extension to one of the courses already completed in Physical Geography. Enrolment requires written permission from a faculty supervisor and Associate Chair, Undergraduate. Only open to students who have completed 10 FCEs and who are enrolled in a Specialist or Major program sponsored by the Department of Geography. Not eligible for CR/NCR option.

Prerequisite: 10.0 FCE's**Distribution Requirements:** Science**GGR499H1 - Independent Research****Hours:** TBA

Independent research extension to one of the courses already completed in a social science or humanities branch of Geography. Enrolment requires written permission from a faculty supervisor and Associate Chair, Undergraduate. Only open to students who have completed 10 FCEs and who are enrolled in a Specialist or Major program sponsored by the Department of Geography. Not eligible for CR/NCR option.

Prerequisite: 10.0 FCE's**Distribution Requirements:** Humanities; Social Science**National University of Singapore Courses****NUS250H0 - Cities in Transition****Hours:** TBA

This module is concerned with the changing roles of cities in an age of globalization. The first part examines cities as part of urban networks at the national, regional and international levels, and focuses on the implications arising from the rise of mega-cities and global cities. The second half of the module investigates the challenges facing cities on the ground, including issues of the revitalization and re-imaging of city cores, changing retail landscapes, and the impact of telecommunications on the location of urban activities and peoples' mobility. The module is targeted at students with an interest in urban issues. (Co-listed as GE2204 National University of Singapore)

Recommended Preparation: 4.0 FCEs**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**NUS251H0 - Southeast Asia****Hours:** TBA

This module deals with a multi-disciplinary approach to understanding the regional geography of Southeast Asia. Students are expected not only to critically analyze their readings but also to be able to synthesize materials to provide a holistic understanding of the region. Specifically, it looks at the region through historical, cultural, social and political-economic perspectives. The module also discusses sustainable development issues. This is a module that is open to all students in the Faculty of Arts & Social Sciences, Engineering, Law, Science, School of Design & Environment and School of Business. (Co-listed as GE2226 National University of Singapore)

Exclusion: GGR342H1**Recommended Preparation:** 4.0 FCEs**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)

NUS252H0 - Rice, Spice & Trees: Peasants in Southeast Asia

Hours: TBA

Southeast Asia has been, and still is comprised of predominantly rural and agrarian societies. This module seeks to develop an understanding of peasant life in the region. Topics to be studied include the village as a construct, the "moral economy" of the peasantry, land and man relations, economic output, and peasant beliefs, consciousness, and cultural expressions. With the peasants' increasing involvement in the world market and the nation-state, it is also important to consider the penetration of capitalism into the rural economy, as well as the demand for supra-village identification and loyalties. Notions of "development" as they pertain to the peasants, and as postulated by the state, non-governmental organizations and the peasants themselves are also discussed. (Co-listed as SE3213 National University of Singapore)

Recommended Preparation: 4.0 FCEs

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NUS254H0 - Geographies of Social Life

Hours: TBA

This module explores debates in geography about social issues. It emphasizes the relationship between social identity and social space, and how different places reflect and shape diverse ways of life. The module examines the role of space in the interplay of different social groups (e.g. ethnic groups, men/women), and in relation to different aspects of daily life (e.g. housing, leisure). Its emphasis, however, is on how to think about these issues in different scales/contexts (streets, public spaces, global cities). The course is intended for geography majors, and students throughout NUS with an interest in the relationship between society and space. (Co-listed as SE2224 National University of Singapore)

Recommended Preparation: 4.0 FCEs

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NUS253H0 - Economy and Space

Hours: TBA

This module examines relationships between economy and space through a focus on 'development'. Through interrogating theories, strategies and trajectories of 'development', students will develop an understanding of the past and contemporary global political economy and its geographies. The course will emphasize the geopolitical and cultural backdrops to 'development' and attendant economic geographies amidst debates about 'globalization', international trade and investment. (Co-listed as GE2202 National University of Singapore)

Recommended Preparation: 4.0 FCEs

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NUS255H0 - Cities and Urban Life in Southeast Asia

Hours: TBA

Are Southeast Asian urban models unique from those of the West? This module uses historical and emerging developments to re-evaluate debates on Southeast Asian urbanization. The particularities of Southeast Asian urbanisation will be examined both in terms of its intertwined history with the rest of the world as well as the politics of time and space. The module aims at developing a critical understanding of the interaction between historical, political-economic and cultural processes that constitute urbanization in Southeast Asia. (Co-listed as SE2212 National University of Singapore)

Recommended Preparation: 4.0 FCEs

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NUS256H0 - Changing Landscape of Singapore

Hours: TBA

This module attempts to understand the rationale of changes in Singapore's urban landscape. It places these changes within a framework that considers Singapore's efforts to globalize and examines how policies are formulated with the idea of sustaining an economy that has integral links sub-regionally with Southeast Asia while developing new spatial linkages that will strengthen its position in the global network. Emphasis is also given to recent discussions about how diversity and difference in the perception and use of space pose a challenge to the utilitarian and functional definition adopted by the state. (Co-listed as GEK2001/SSA2202 National University of Singapore)

Recommended Preparation: 4.0 FCEs

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NUS351Y0 - Field Studies in Geography: SE Asia

Hours: TBA

The module exposes students to different geographical methods, both human and physical, and as such it is an ideal preparation for any student wishing to undertake further primary research at higher levels in geography, and other social science disciplines. After a series of lectures/seminars on fieldwork methods, fieldwork ethics, and health and safety issues in the field (which may include some basic introductory language classes), students then undertake a 2 – 5 week period of field study overseas, depending on logistical and other constraints. Previous field studies have been for periods of 4-5 weeks overseas in Thailand and Malaysia. While overseas, students undergo orientation workshops, meet peers in host universities, and visit potential field sites before conducting an intensive period of fieldwork in small groups of 3-5 students. (Co-listed as GE3230A at the National University of Singapore)

Recommended Preparation: 4.0 FCEs

Distribution Requirements: Social Science

NUS350H0 - Natural Resources: Policy and Practice

Hours: TBA

This module examines important geographical, ecological and political concepts and approaches to natural resources management. In particular, we focus on ownership regimes, access, exploitation and conservation in different social, economic and cultural contexts. Detailed cases of fisheries, forestry, freshwater and agriculture conflicts and problems are discussed. (Co-listed as GE3210 National University of Singapore)

Recommended Preparation: 4.0 FCEs

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NUS352H0 - East Asia

Hours: TBA

This module examines aspects of the geography of East Asia, which includes China, Hong Kong, Taiwan, Japan and Korea. Emphasis is placed on the developmental processes and the underlying physical, political, socio-cultural and economic factors that account for their development. It evaluates various discourses on East Asian development and also assesses the impact of East Asian development on regional conflicts, patterns of social change, urbanization and sub-regional integration. (Co-listed as GE3209 at the National University of Singapore)

Recommended Preparation: 4.0 FCEs

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NUS353H0 - Globalization and Asian Cities

Hours: TBA

This module aims to provide students with an in-depth understanding of the social, political, and economic changes at various geographical scales with respect to globalization. More specifically, the module focuses on developing understandings of the complex forces driving globalization and the related urban and regional changes and the relationship between globalization and regionalization. This module is not just for geography students, but for all students who are interested in the urban and regional changes in the Asia-Pacific with respect to globalization and regionalization and the driving forces of the changes. (Co-listed as GE3219 at the National University of Singapore)

Recommended Preparation: 4.0 FCEs

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NUS354H0 - South Asia: Development, Issues, Debates

Hours: TBA

This module is concerned with understanding and assessing the development experiences of the South Asian countries. Students are expected to grapple with concrete case studies of development programs in their work. The coursework covers issues pertaining to rural, agricultural, urban, industrial and human development, as well as their impact upon people and the environment. Particular attention is given to the situation of the poor and the weak, including disadvantaged children, women, and ethnic minorities. (Co-listed as SN3232 at the National University of Singapore)

Recommended Preparation: 4.0 FCEs

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

German

Faculty List

Professors Emeriti

A.P. Dierick, MA, Ph D (V)
 R.H. Farquharson, MA, Ph D (V)
 H. Froeschle, MA, Dr Phil (SM)
 W. Hempel, Dr Phil (SM)
 H.L.M. Mayer, Dr Phil (V)
 H.W. Seliger, M.A. Ph D (V)
 D. W.J. Vincent, MA, Ph D (T)

Chair of the Department

t.b.a.

Associate Professor and Associate Chair (Graduate Studies)

t.b.a.

Associate Chair (Undergraduate Studies)

t.b.a.

Full Professors

W. Goetschel, Ph D
 J. Noyes, Ph D (on leave, winter 2020)
 A. Shternshis, Dr. Phil
 J. Zilcosky, MA, Ph D (on leave, fall 2019)

Associate Professors

A. Fenner, Ph D
 M. Hager, Dr. Phil
 C. Lehleiter, MA, Ph D
 S. Soldovieri, MA, Ph D
 M. Stock, Dr. Phil (on leave, 2019-2020)

Associate Professor, Teaching Stream

E. Boran, MA, Ph D

Assistant Professor, Teaching Stream

Hang-Sun Kim, Ph D (on leave, winter 2020)

Introduction

German-speaking countries enjoy a long tradition at the cultural and political core of Europe. During the last two hundred years their importance has steadily increased, and with the recent developments in Eastern Europe their influence seems certain to expand even more.

The importance of the German language has grown correspondingly: it is the second foreign language after English in the countries of central and Eastern Europe, and its use is spreading within the European Community. Learning German opens the door to many fields of intellectual, technical and politico-economic endeavor. German scholars have been leaders in philosophy, the sciences, history, archaeology, sociology and political science. German literature is equally distinguished: writers like Goethe, Kafka, Rilke, Brecht, Mann, Wolf, Grass, Jelinek, Özdamar, etc., have dealt with the widest possible range of human problems and concerns, and have been recognized worldwide.

The Department of Germanic Languages and Literatures offers courses on literature from the Middle Ages to the present, so that the student may acquire an overview of this significant element of

German life and culture. We offer language courses from beginning and intermediate to advanced levels, with practice in reading, writing, comprehending and speaking German, as well as stylistics, linguistics, and the specialized vocabulary and concepts of business. Language and literature instruction is integrated as far as possible, with the aim of teaching students advanced critical literacy in German. The department offers a minor in Yiddish, with instruction offered from beginning and intermediate to advanced levels.

German combines well with other modern languages and literatures, and double-majors are encouraged. Students in a variety of programs, such as Cinema Studies, European Studies, Literary Studies, Drama, Music and others, will benefit from courses in German language, literature and culture. The Department supports opportunities for students to study and work in Germany, by encouraging participation in programs established by the German government, by Canadian universities, and by our own Arts and Science Faculty's Study Elsewhere Program. One of these is the exchange program under which Toronto students can spend the academic year at the Humboldt University in Berlin.

A knowledge of German is a virtual necessity for specialists in many disciplines; it is also very useful in certain career areas (e.g., the foreign service, interpretation and translation, librarianship, business and commerce, music, tourism, and of course teaching). The successful completion of a four-year program, including seven approved courses in German, may entitle the student to enter the M.A. or Ph.D. program in the Graduate Division of the Department.

Students entering with some previous knowledge of German are required to contact the department to write an initial assessment test (placement test) and will then be advised to take courses at the appropriate level. Please check the department's web site at www.german.utoronto.ca for more information.

Information on studies in German Language and/or Literature can be obtained from the Associate Chair for Undergraduate Studies at german.undergrad@utoronto.ca.

Enquiries: Department of Germanic Languages and Literatures

Address: 50 St. Joseph Street, Odette Hall #322

Tel.: 416-926-2324

Email: german@chass.utoronto.ca

Website: www.german.utoronto.ca

German Programs

German Studies Specialist (Arts Program) - ASSPE1400

Completion Requirements:

(10 full courses or their equivalent)

1. GER100Y1, GER200Y1, GER300Y1, GER400H1
2. GER150H1 (to be taken as early as possible), GER205H1
 (should be taken together with GER200Y1, must be taken prior to completing GER300Y1), GER305H1

3. At least 2.5 additional F.C.E. in GER courses on the 300-level
4. At least 1.0 additional F.C.E. in GER courses on the 400-level (except GER401H1)
5. No more than 3.0 F.C.E. courses taught in English
6. Up to 2 F.C.E. in identified or preapproved cognate courses may count (i.e. courses offered by other departments containing a relevant Germanic component and a final paper on a Germanic topic); please inquire at the Department and get approved in advance.

Notes: (a) All specialists should schedule an appointment with the Undergraduate Coordinator for personalized counselling as early in their studies as possible; (b) students with prior German knowledge are required to contact the department to take a placement test; self-placement is not allowed; (c) Completion of GER205H1 is a prerequisite for taking ANY 300-level literature courses taught in German; (d) completion of GER305H1 is a prerequisite for taking ANY 400-level literature courses taught in German; (e) 300-level courses may be replaced by 400-level courses (inquire in advance); (f) GER401H1 is not a program requirement, but recommended.

German Studies in English (Arts Program) - ASMIN1405

Completion Requirements:

Requirements:

1. The Minor Program requires 4 full courses (FCE), three of which have to have a GER denominator;
2. GER150H1 is required;
3. A maximum of 1.0 FCE in cognate courses is allowed (i.e. courses offered by other departments containing a relevant Germanic component and a final paper on a Germanic topic); please inquire at the Department and get approved in advance.

For a list of courses taught in English, please check the German Department website.

Note: Students registered for a German Specialist or Major may not simultaneously be registered for a German Minor program.

German Studies Major (Arts Program) - ASMAJ1400

Completion Requirements:

(7 full courses or their equivalent)

1. GER100Y1, GER200Y1, GER300Y1, GER400H1
2. GER150H1 (to be taken as early as possible), GER205H1 (should be taken together with GER200Y1, must be taken prior to completing GER300Y1), GER305H1
3. At least 1.5 additional F.C.E. in GER courses on the 300-level
4. At least 0.5 additional F.C.E. in GER courses on the 400-level (except GER401H1)
5. No more than 1.5 F.C.E. courses taught in English
6. Up to 1.0 F.C.E. in identified or preapproved cognate courses may count (i.e. courses offered by other departments containing a relevant Germanic component and a final paper on a Germanic topic); please inquire at the Department and get approved in advance.

Notes: (a) All majors should schedule an appointment with the Undergraduate Coordinator for personalized counselling as early in their studies as possible; (b) students with prior German knowledge are required to contact the department to take a placement test; self-placement is not allowed; (c) Completion of GER205H1 is a prerequisite for taking ANY 300-level literature courses taught in German; (d) completion of GER305H1 is a prerequisite for taking ANY 400-level literature courses taught in German; (e) 300-level courses may be replaced by 400-level courses (inquire in advance); (f) GER401H1 is not a program requirement, but recommended.

AI and Malka Green Yiddish Program Minor (Arts Program) - ASMIN1163

Completion Requirements:

(4 full courses or their equivalent)

1. (GER260Y1 and GER360H1), OR GER463Y1
2. GER460H1 OR GER462H1*
3. The remaining courses should be taken from: GER361H1, GER367H1, JGJ360H1, GER100Y1, GER150H1, or any course offered by and crosslisted by the Centre for Jewish Studies

*NOTE: 1. Students who took GER463Y1 cannot take GER260Y1 or GER360H1; students who took GER260Y1 or GER360H1 cannot take GER463Y1. 2. Students who took GER462H1 cannot take GER460H1.

Business German Minor (Arts Program) - ASMIN2453

Completion Requirements:

(4 full GER courses or their equivalent)

This Minor Program requires 4 full courses from the Department of German.

1. GER100Y1/ GER200Y1, OR proof of comparable German level
2. GER270H1, GER272H1, GER370H1, GER372H1 are mandatory
3. the remainder of the courses or equivalent must have a GER designator OR must be a pre-approved cognate course.

Note: Students enrolled in the German Studies Specialist or Major Program may not simultaneously enroll for a Business German Minor Program.

German Studies Minor (Arts Program) - ASMIN1400

Completion Requirements:

(4 full courses or their equivalent)

1. GER100Y1, GER200Y1, GER300Y1
2. 1.0 F.C.E. in courses with a GER designator, but cannot be GER400H1 or GER401H1.
3. No more than 0.5 F.C.E. may be taken in English

Note: (a) Students registered for a German Specialist or Major may not simultaneously be registered for a German Minor program; (b) students with prior German knowledge are required to take a placement test and to see the adviser; (c) the exclusion of GER400H1 and GER401H1 does not apply if the student's entry level is post- GER100Y1.

Certificate in Global German Studies (UofT Global Scholar) - ASCER1401

Enrolment Requirements:

This Certificate is open to all students in an Arts & Science degree program. Students who have completed 4.0 FCE are eligible to enrol.

Completion Requirements:

(Total: 2.0 credits)

- 1.0 credit in German language at any level, including GER100Y1, GER101H1, GER200Y1, GER201H1, GER272H1, GER300Y1, GER301H1, GER370H1, GER372H1, GER400H1.
 - Students with very advanced previous knowledge of German may in consultation with the Department take a combination of other 300 or 400-level GER topics courses (taught in German) to meet the requirement.
- GER290H1 'Global Issues / German Contexts'.
- 0.5 credit in global experience. May take the form of an internship course, GER391H1 'IPRAKTIKUM Experiential Learning and Internationalization Internship'. Students may also complete a study abroad course in a German-speaking country, such as GER354Y0. International Course Modules (ICM) or the GER398H0 Research Excursion Program also fulfil the global experience requirement with the previous consent of the department.

English in the countries of central and Eastern Europe, and its use is spreading within the European Community. Learning German opens the door to many intellectual, technical, political, and economic fields. Successful study of German demonstrates intelligence, discipline, analytical sophistication, and an excellent memory. The study of any foreign language provides invaluable insights into the varieties of human culture and expression.

The Language Citation recognizes a significant level of achievement in language study with a high level of academic success. The Citation in German is available to students who complete GER100Y1 (or the equivalent prerequisite training) and earn a grade of at least B- in GER200Y1 and GER300Y1.

Students should note that the Language Citation is not equivalent to an academic program and that enrolment in a program is not necessary in order to earn the recognition bestowed by the Citation.

Note

Notes: (a) All students with previous knowledge of the German language, as well as students returning from extended stays in German-speaking countries, are REQUIRED to take a placement test offered at the Department. (b) The Department reserves the right to place students in the language course appropriate to their level of language skill. (c) More detailed course descriptions and reading lists for the various courses are available from the instructor.

German Courses

GER100Y1 - Introduction to German

Hours: 96P

This is the language course to take if you have had no previous experience of the German language. The emphasis is on comprehension, speaking, reading, writing, vocabulary and basic grammar. This course can be counted towards all programs in German.

Note: Students with any previous knowledge of German are REQUIRED to take a placement test offered at the department.

Exclusion: Senior high school German or equivalent. Note: Students with any previous knowledge of German are required to take a placement test offered at the department.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Faculty of Arts & Science Language Citation

The Department of Germanic Languages and Literatures participates in the Faculty of Arts & Science's Language Citation initiative for German. The study of German is a demanding and intellectually rewarding educational experience, providing students with excellent resources for understanding the culture of the German speaking world. German is now the second foreign language after

GER101H1 - Introduction to German b**Hours:** 48P

This course is intended for students with some prior knowledge of German. It is equivalent to the Spring Term of GER100Y1. The emphasis is on comprehension, speaking, reading, writing, vocabulary and basic grammar.

Exclusion: Senior high school German or equivalent. GER100Y1.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER150H1 - Introduction to German Culture (E)**Hours:** 24L/12T

This course taught in English is intended for students who are unfamiliar with German culture. It examines historical, political and cultural developments in Germany from about 1871 to the present focusing on literary and non-literary texts. (Note: This course is required for the major and specialist program; it should be taken within the first two years.)

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER196H1 - "Es war einmal auf Deutsch" - Learning German with Fairy Tales**Hours:** 24S

Grimms Fairy Tales – we all know and love them. But what do we *really* know? Which versions are we familiar with? Most likely not the ones by the Brothers Grimm. And certainly not in German! This course is a journey into the mythical German Schwarzwald, a place of wolves and witches, the realm of the fantastic. It is not a traditional language course, as we won't be cramming grammar and vocabulary, at least not excessively. Rather, we will learn German playfully by reading, analyzing and acting out original folk tales, their Romantic adaptations and modern retellings. In the process we will enrich our understanding of German language and culture. Please note that basic knowledge of German is required to participate in this course (i.e. at least one year of solid high school instruction). Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: One year of German instruction, or equivalent

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER197H1 - Automaton, Puppet, Thing in German Literature (E)**Hours:** 24S

This course will introduce students to the various attempts in German literature over the course of the past 200 years to define the boundary between human and non-human agents. It will examine the idea of a mechanical being, of prostheses (both physical and emotional), of self-motivated matter, of narrating agency in non-human beings, and of imagining the limits of human action. In reading select texts on this topic, we will explore the physical, mental and moral qualities that purportedly separate human from non human agents. Students will gain insight into the problem of defining human beings in the context industrialization, mechanization, automation and artificial intelligence. Restricted to newly-admitted first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER198H1 - Technology and the Human in German Literature and Thought (E)**Hours:** 24S

Technology has changed our lives, and scientific knowledge has enhanced human capacities. At the same time, though, this development is also experienced as a threat. Killing missiles, controlling 'Big Brothers,' and monstrous creatures are often considered the flip-side of technological advancement. This course asks: What is the relationship between technology and the "human"? Can there be progress of technology without a regress of humanity? Or is technology liberating us from the bonds of nature? We will discuss possible answers to these questions by looking at key texts in German literature, philosophy, and cultural history from the eighteenth century to Post-Modernity. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER199H1 - The Pleasure of Reading: Reading as Self-Emancipation in the German Literary Tradition (E)**Hours:** 24S

In this course we read some of the most enjoyable plots and stories in German Literature and examine how the pleasure of reading sets readers free to re-imagine themselves and the world released from everyday pressures and the repressive weight of the status quo. Readings are all in English translation and include texts by Lessing, Goethe, Schiller, Kleist, Keller, Heine and Kafka. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER200Y1 - Intermediate German 1**Hours:** 96P

This course continues the work done in GER100Y1 / GER101H1. It further expands on basic grammar and vocabulary, practice in comprehension, composition, and conversation.

Prerequisite: GER100Y1/ GER101H1 or German placement test, Senior high school German or equivalent

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER220H1 - German Literature in Translation (E)**Hours:** 24L/12T

This course taught in English is an introduction to major authors of German literature, such as J.W. Goethe, F. Kafka, T. Mann, G. Grass, C. Wolf and E.S. Özdamar, focusing on their key works and introducing central topics.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER201H1 - Intermediate German 1b**Hours:** 48P

This course is equivalent to the Spring Term of GER200Y1. It further expands on basic grammar and vocabulary, practice in comprehension, composition, and conversation. The Department reserves the right to place students in the appropriate language course on the 200- and 300 levels.

Prerequisite: German placement test

Exclusion: GER200Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER251H1 - German and European Cinema (E)**Hours:** 24P/24S

This course examines German cinema against the backdrop of European film history. European films share common references points anchored in the cataclysms of two world wars, and have also negotiated analogous postwar transformations in family life, urbanization, the regional and the national, cultural identity, labour relations, post-socialist societies, and state security. A comparative approach enables examination of what binds German cinema to European cinema – shared histories and political concerns--as well as what is nationally unique and distinctive. By matching select films with readings from social theory, cultural studies, and film studies, we will compare and contrast these socio-historical concerns while also attending to the medium specificities of film style, aesthetics, and narrative form.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER205H1 - German Literature I**Hours:** 36S

This course offers a transition from the language courses to the topic courses on the 300-level. It introduces students to German literature and provides them with working methods and analytical tools relevant for the study of German literary texts in the original German.

Note: This course is required for the major and specialist program

Prerequisite: GER100Y1

Corequisite: GER200Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER260Y1 - Elementary Yiddish**Hours:** 72P

This course introduces Yiddish language, literature, music, theater, and cinema through interactive multi-media seminars, designed to build proficiency in reading, writing and comprehending. No prior knowledge of Yiddish is required.

Exclusion: GER463Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER270H1 - Money and Economy in German Literature and Culture (E)

Hours: 24L/12T

In this course, we examine key literary, philosophical, and cultural texts, in order to understand how modern culture approaches problems such as property, debt, and exchange value.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER290H1 - Global Issues - German Contexts (E)

Hours: 24S

The movement of cultural products, material goods, capital, people, ideas, and information across national borders has resulted in a new quality of global interdependency. The course explores the contemporary character of globalization patterns and problems as they bear on German-speaking contexts. Readings in globalization history and theory.

Prerequisite: none

Corequisite: none

Exclusion: none

Recommended Preparation: 2.0 FCE of German language instruction in consultation with department

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

GER272H1 - Introduction to Business German

Hours: 36P

This course introduces students to basic concepts and vocabulary necessary for the German business context. All the language skills (reading, writing, listening, and speaking) will be practiced in appropriate business contexts.

Corequisite: GER200Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER275H1 - Marx, Nietzsche, Freud (E)

Hours: 24L/12T

This is an introductory course to the thought of Karl Marx, Friedrich Nietzsche, and Sigmund Freud and their pioneering contributions to the understanding of the individual and society in modernity. Readings include selections from writings of the early Marx, the Communist Manifesto, and Capital, Nietzsche's critique of culture, academe, and nationalism, and Freud's theory of culture, his views on the psychopathology of everyday life, on the meaning of dreams, symptoms, the return of the repressed, and what it might mean to live in a free society.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER299Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

GER300Y1 - Intermediate German 2

Hours: 96P

Continuing the work done in GER100Y1 and GER200Y1, this course offers German at the intermediate level focusing on extension of vocabulary, specific problems of grammar, essay-writing, reading and conversation. The Department reserves the right to place students in the appropriate course in the series GER200Y1 and GER300Y1.

Prerequisite: GER200Y1/ GER201H1 or German placement test

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER301H1 - Intermediate German 2b

Hours: 48P

This course is equivalent to the Spring Term of GER300Y1. It further expands on basic grammar and vocabulary, practice in comprehension, composition, and conversation at the intermediate level. The Department reserves the right to place students in the appropriate language course on the 200- and 300 levels.

Prerequisite: German placement test

Exclusion: GER300Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER321H1 - 19th Century German Literature

Hours: 24S

This course focuses on German authors of the nineteenth century. Literary, political and philosophical texts are analyzed as a discussion of political uprisings, the industrial revolution and the emergence of German nationalism.

Prerequisite: GER205H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER322H1 - Kafka in Context

Hours: 24S

Franz Kafka's texts are read in the literary, historical, and philosophical context of fin-de-sicle Prague and central Europe.

Prerequisite: GER205H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER323H1 - Weimar Culture and Beyond

Hours: 24S

Focusing roughly on the period from 1918 to 1945, this course examines literary and artistic movements like Dada, Bauhaus, the Golden Age in German film in the decades between World War I and Nazism.

Prerequisite: GER205H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER326H1 - Writing Memory: Post 1945

Hours: 24S

An examination of post-World War II German literature and culture from Zero Hour through to present-day debates about the Holocaust and its memorialization within a German context.

Prerequisite: GER205H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER310H1 - Contemporary German Culture and Media

Hours: 24S

This course focuses on contemporary German culture as expressed through a variety of media. It approaches Germany and Germany's position within Europe and the world mainly (but not exclusively) through non-literary texts.

Prerequisite: GER200Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER320H1 - The Age of Goethe

Hours: 24S

Goethe and his contemporaries saw themselves faced with a rapidly changing world. This course examines the innovative literary experiments they developed in response to these changing times.

Prerequisite: GER205H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER332H1 - Deviance - Madness - Outsiders**Hours:** 24S

An analysis of the artistic confrontation with deviance, madness, and outsiders. The course covers expressions of this confrontation in a variety of genres.

Prerequisite: GER205H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GER350H1 - German Visual Cultures****Hours:** 24P/24S

This course presents students with a survey of the history and development of the German cinema. It examines major trends of German cinematography focusing on thematic and formal aspects.

Prerequisite: GER205H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GER334H1 - Transnational Literatures****Previous Course Number:** GER423H1**Hours:** 24S

This course investigates contemporary German culture by paying attention to its other or alternate voices and perspectives, i.e. those not usually prevalent in mainstream cultural and sociopolitical discourses.

Prerequisite: GER205H1**Exclusion:** GER423H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GER354Y0 - Special Topics Summer Course in Berlin (E)****Hours:** TBA

The topics of this course taught in English and open to students from other disciplines vary from year to year. Interested students can address questions to Woodsworth College.

Recommended Preparation: 100-level HIS/POL/GER course/International or European Studies**Distribution Requirements:** Humanities; Social Science**Breadth Requirements:** Creative and Cultural Representations (1)**GER336H1 - Focus On Berlin****Hours:** 24S

This course offers an exploration of the cultural developments of one of the most exciting capitals of the world, from the Bismarckian era to German reunification and beyond.

Prerequisite: GER205H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GER355Y0 - Summer Course in Berlin****Hours:** TBA

Students who wish to petition the department for credit toward a specialist or major program in German will be required to do part of their work in German. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GER360H1 - Intermediate Yiddish****Hours:** 36P

The course conducted in Yiddish offers a review of basic grammar, stylistics, study of short literary texts.

Prerequisite: GER260Y1**Exclusion:** GER463Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GER340H1 - German Theater Production****Hours:** 48S

The course offers close reading, rehearsing and staging of a play. Students will become familiar with the different steps of a theater production, be introduced to basic acting and staging techniques and get acquainted to leading theories of theater.

Prerequisite: GER200Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

JGJ360H1 - Holocaust in Literature (E)**Hours:** 24S

This course examines literary works written in different languages, in ghettos and concentration camps during the Holocaust, as well as those reflecting on the genocide in its aftermath. We focus on literature as a means of engaging with the unimaginable and on the cross analysis of eye-witness and memory writing.

Prerequisite: Completion of a minimum of 4.0 FCEs**Exclusion:** CJS220H1, GER367H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GER370H1 - German Business Culture 1****Hours:** 36P

This course provides students with a working knowledge of German business culture that allows them to navigate the German workplace. The main focus is to deepen students' knowledge of business concepts.

Note: This course is required for the minor program in Business German

Prerequisite: GER200Y1, GER272H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GER361H1 - Yiddish Literature in Translation (E)****Hours:** 24S

An overview of the major figures and tendencies in modern Yiddish literature and culture from the beginning of the 19th century to the present. Readings (in English) of modern Yiddish prose, poetry, drama and cinema.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GER372H1 - German Business Culture 2****Hours:** 36P

This course offers an intensive development of the linguistic skills needed in the context of business transactions and management in German-speaking countries. Through materials from various sources, students develop oral and written skills for competence in German business communication as well as cross-cultural awareness.

Prerequisite: GER370H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GER367H1 - Topics in Yiddish or German Jewish Literature and Culture****Hours:** 24S

Topics in modern Yiddish or German Jewish literature and culture from the beginning of the 19th century to the present, featuring a selection of readings of modern Yiddish prose, poetry, drama and cinema. Taught in English and open to students across disciplines.

Prerequisite: Completion of a minimum of 4.0 FCEs**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GER391H1 - iPRAKTIKUM Experiential Learning and Internationalization Internship****Hours:** 24P

The course provides curricular support for a variety of work and community-engaged, experiential learning placements in the GTA and in German-speaking countries. The placements are designed to deepen linguistic, cultural, and analytical skills acquired in the classroom in work-related environments, create an awareness of the translatability of academic knowledge to other contexts, promote global competency, and foster links to the community. The number of weekly hours spent in the field, the scope of learning objectives, and the nature of reflective activities are determined on an individual basis in consultation with the host institution, the German Department, and other units in which the student is pursuing a program degree (as required). In addition to successfully achieving the formulated learning goals, students must complete assignments such as eJournals and research papers as well as participate in peer-to-peer reporting and post-placement interviews.

Prerequisite: GER100Y1 and GER200Y1 or consent of department (equivalent proficiency level B1)**Recommended Preparation:** 3.0 FCE in GER courses**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)

GER398H0 - Research Excursions**Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**GER398Y0 - Research Excursions****Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**GER399Y1 - Research Opportunity Program****Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

GER400H1 - Advanced German 1**Hours:** 48P

This is a course for advanced learners of German reviewing complex features of the language and introducing them to aspects of German stylistics. The emphasis lies on oral and written communication.

Prerequisite: GER300Y1/ GER301H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GER401H1 - Advanced German 2****Hours:** 48P

This is a course for advanced learners of German reviewing complex features of the language and introducing them to aspects of German stylistics. The emphasis lies on oral and written communication.

Prerequisite: GER400H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GER410H1 - Topics in German Intellectual History (E)****Hours:** 24S

This course taught in English offers an examination of key moments and themes in German intellectual history from the Enlightenment to the present.

Prerequisite: Advanced status: permission of the department**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**GER426H1 - Medieval Language and Culture****Hours:** 36S

This course offers an introduction to the language, literature and culture of Medieval Germany. The reading and translation of exemplary medieval German texts will introduce students to Middle High German and provide an insight into epochal concepts like courtly love and chivalry as well as courtly and monastic designs of identity.

Prerequisite: GER300Y1, GER205H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GER430H1 - Topics in German Literature and Culture****Hours:** 24S

An open course which explores specific aspects of German literature and culture.

Prerequisite: GER305H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

GER431H1 - Topics in Germanic Studies**Hours:** 24S

An open course which explores specific aspects of Germanic Studies.

Prerequisite: GER305H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GER490H1 - Independent Study****Hours:** 24S

A reading & research project in Germanic literature and/or culture involving a substantive research component. Not eligible for CR/NCR option.

Prerequisite: Advanced status: permission of the department. Note: permission needs to be obtained by May 1st for the Fall Term and by Nov. 1st for the Spring Term**Distribution Requirements:** Humanities**GER460H1 - Advanced Yiddish****Previous Course Number:** GER462H1**Hours:** 36P

This course conducted entirely in Yiddish focuses on advanced reading, writing, vocabulary and conversation, the study of poetry, short fiction, and memoir literature by leading authors. Selected advanced grammatical topics are presented in conjunction with the study of texts.

Prerequisite: GER360H1**Exclusion:** GER462H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**GER491Y1 - Individual Studies****Hours:** 48S

A scholarly project chosen by the student and supervised by a member of the staff. The form of the project and the manner of its execution are determined in consultation with the supervisor. Not eligible for CR/NCR option.

Prerequisite: Advanced status: permission of the department. Note: project proposals need to be submitted by June 1st**Distribution Requirements:** Humanities**GER463Y1 - Yiddish Language for German Speakers****Hours:** 48P

The course is designed as an intensive Yiddish language training. The goal is to teach German speakers to read, write and speak in Yiddish. The curriculum relies on the German language skills of the students, and focuses on differences between Yiddish ad German grammar and vocabulary. Upon the completion of the course, students should be able to read Yiddish literary texts with a minimal use of dictionary.

Note: Graduate students can take the course in preparation for their Yiddish competency test.

Prerequisite: Either 3 FCE in German language or fluency in German language.**Exclusion:** GER260Y1, GER360H1, GER462H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

History

Faculty List

Professors Emeriti

R.D. Accinelli, MA, Ph D
 S. Aster, MA, Ph D, FRHS
 C.C. Berger, MA, Ph D, FRSC
 W.C. Berman, MA, Ph D
 P. Blanchard, BA, Ph D
 J.C. Cairns, MA, Ph D
 W.J. Callahan, MA, Ph D, FRHS
 J. Dent, BA, Ph D (I)
 W. Dowler, MA, Ph D
 H.L. Dyck, MA, Ph D
 M. Eksteins, B Phil, D Phil
 J.M. Estes, MA, Ph D
 M.G. Finlayson, MA, Ph D
 J.W. Goering, MA, Ph D
 W.A. Goffart, AM, Ph D, FRHS, FRSC
 A. Greer, MA, Ph D
 P.F. Grendler, MA, Ph D
 J.N. Ingham, MA, Ph D
 M. Israel, MA, Ph D
 R.E. Johnson, BA, Ph D
 J.L.H. Keep, BA, Ph D
 J. Kivimae, BA, Ph D
 M.A. Klein, MA, Ph D
 J. Kornberg, MA, Ph D
 T.O. Lloyd, MA, D Phil
 L.S. MacDowell, M Sc (Econ), Ph D
 M.R. Marrus, CM, MA, Ph D, MSL, FRHistS, FRSC
 D.P. Morton, MA, Ph D
 A.C. Murray, MA, Ph D
 W.H. Nelson, MA, Ph D
 J. Pearl, Ph D
 D.J. Penslar, MA, C Phil, Ph D, FRSC
 D.L. Raby, BA, Ph D
 I. Radforth, MA, Ph D
 I. Robertson, MA, Ph D
 A. Rossos, MA, Ph D
 P.F.W. Rutherford, MA, Ph D
 D. Smyth, BA, Ph D, FRHS (T)
 R.A. Spencer, MA, D Phil
 S. Van Kirk, MA, Ph D
 N.K. Wagle, MA, Ph D
 M. Wayne, MA, Ph D

Associate Professors Emeriti

L.J. Abray, MA, MPhil, Ph D
 J. Noel, MA, Ph D (University of Toronto Mississauga)
 A.I. Silver, Ph D
 B. Todd, MA, D Phil
 W. Wark, MA, Ph D

Professor and Chair of the Department

A. Smith, MA, Ph D

Associate Professor and Associate Chair (Graduate Studies)

M.D. Meyerson, MA, Ph D

Professor and Associate Chair (Undergraduate Studies)

N. Tran, BA, Ph D

Professor and Deputy Chair

TBA

University Professor

L. Viola, MA Ph D, FRSC

Professors

K.R. Bartlett, MA, Ph D (V)
 D. Bender, MA, Ph D (University of Toronto Scarborough)
 D. Bergen, MA, Ph D
 R. Bothwell, MA, Ph D, FRSC (T)
 J. English, MA, Ph D (Adjunct)
 N. Everett, Ph D
 T. Fujitani, MA, Ph D
 D. Gabaccia, MA, Ph D (University of Toronto Scarborough)
 M. Gervers, MA, PhD (University of Toronto Scarborough)
 R. Halpern, MA, Ph D
 F. Iacovetta, MA, Ph D (University of Toronto Scarborough)
 E.T. Jennings, MA, Ph D
 A. Kasekamp, MA, Ph D
 C. Keil, MA, Ph D (I)
 T. Lahusen, MA, Ph D
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 M.G. McGowan, MA, Ph D (SM)
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 S. Penfold, MA, Ph D
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 S. Rockel, MA, Ph D (University of Toronto Scarborough)
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 P. Hastings, MA, Ph D (University of Toronto Scarborough)
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 W.C. Johnson, MA, Ph D
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 M. Mishler, MA, Ph D
 W. Nelson, MA, Ph D (University of Toronto Scarborough)
 T. Sayle, MA, Ph D
 S. Sweeney, MA, Ph D
 L. van Isschot, MA, Ph D
 T. Walker, MA, Ph D
 Y. Wang, MA, Ph D

Introduction

Historians study the past to understand it on its own terms, to gain insight into how our world has developed, and in order to influence the present. The study of history covers a wide and diverse range of topics, from the history of aboriginal societies, conquistadors, ethnicity, fascism, labour, psychiatry, patterns of settlement and migration, politics, the Renaissance, revolution, to the automobile, slavery, international relations, trade unions, women's studies, and more.

The study of history is at the core of any liberal arts education. In order to make sense of political, social, economic, and cultural development, it is essential to understand historical change and continuities. History is also integral to most area studies (East Asian Studies, Near and Middle Eastern Civilizations, Canadian or American Studies, etc.) and is a crucial part of the study of political science, economics, sociology, international relations, religion, art history, English—nearly every discipline in the humanities and social sciences. History as a discipline partakes of both the humanities and social sciences: it is a social science because it studies societies and the processes of change, but the method and analytical approach are those of the humanities. Close analysis of problems, critical examination of evidence, and persuasive oral and written communication are all hallmarks of historical inquiry.

History graduates will gain both a broad overview of the contours of history and in-depth knowledge of one or more specific regions, time periods, or thematic specializations. They will understand how social processes, political ideologies, economic trends, and environmental changes have intersected with individual and collective human actions to shape historical change and, ultimately, the world we live in today. History graduates will comprehend how history is written, including the skills and methods of historical research, the use and interpretation of textual and other evidence, and the choices involved in various theoretical and analytical frameworks. They will be able to critically read and assimilate large amounts of information, weigh evidence, draw well-informed conclusions, and present cogent, analytical arguments.

The analytical and communication skills one develops by studying history are critical to a great variety of careers. History graduates put their training directly to use in such fields as law, politics, business, government service, museums, libraries and archives, documentary filmmaking, journalism, international relations, urban planning, teaching, and many other areas. With emphasis on how to analyze issues, read critically, do productive research, delineate a case, and present evidence in support of that case, studying history equips one with both the skills and knowledge for an ever-changing workplace and society.

Curriculum

The History curriculum is designed to give students a solid grounding in a variety of interpretive and methodological

approaches, while allowing them a great deal of flexibility to follow their own particular interests. Breadth requirements (detailed below) ensure that students achieve chronological depth and geographic range. There are courses at most levels in American, Asian, African, Latin American and Caribbean, British, Canadian, European, Russian and East European history. Thematic clusters such as medieval history, gender, international relations, and colonialism/post-colonialism help students pursue areas of particular interest.

The 100-series courses are thematically-based and introduce students to the craft and tools of historical research and writing. The 200-series courses are broad chronological surveys of countries, regions, or time periods. They are open to first-year students and have no prerequisites. The 300-series courses enable students to pursue topics in greater depth and methodological sophistication. They are not open to first-year students and frequently have prerequisites. The 400-series courses represent the culmination of an undergraduate's study of history. They are taught as small-group seminars in which students draw upon the skills they have developed through the course of their History program in research, analysis, and oral and written presentation.

More detailed information concerning the department, history programs and particular courses can be found on our website: www.history.utoronto.ca. There is a History Students' Association in the Department and there is student participation in the Department meetings and major standing committees.

Undergraduate Administrator and Student Advisor:
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History Programs

History Specialist (Arts Program) - ASSPE0652

Enrolment Requirements:

This is a limited enrolment POS that can only accommodate a limited number of students. Eligibility will be based on a student's marks in the required courses. The precise mark thresholds outlined below are an estimate of what will be required in the coming POS admission cycle. Achieving those marks does not necessarily guarantee admission to the POS in any given year.

Required courses: 2.0 HIS FCE, one of which must be at the 100-level, with a final mark of at least 73% in each.

Completion Requirements:

The Specialist program gives students in-depth training in historical research, analysis and writing for graduate study or professional use. To achieve these objectives, students choose one of two options when entering their third year.

(10 full courses or their equivalent) Consult the department for details of equivalent courses.

First year: 1.0 HIS FCE at the 100-level; in addition, students may take 1.0 HIS FCE at the 200-level
 Higher Years: Additional HIS courses to a total of 10 FCEs overall, meeting the following requirements:

1. 1.0 FCE at the 200-level or above from each of the following Divisions*:
 - I. Asia/Africa/Middle East
 - II. Canada/United States/Latin America/Caribbean
 - III. Europe
2. 1.0 FCE in Pre-modern (before 1800) history*.
3. At least 5 FCEs at the 300-level or above, including 1.5 FCEs at the 400-level to be fulfilled in the following ways:
 - I) HIS476Y1 (full year senior thesis) and a 400-level H seminar course; or
 - II) HIS475H1 (half year senior thesis) and two 400-level H seminar courses; or
 - III) 0.5 FCE senior Methodology course* and 1.0 FCE 400-level course(s)

Note that the Thesis Option has limited enrolment due to limited capacity in Thesis Courses HIS475H1 and HIS476Y1. Interested students should contact the department for more information regarding Thesis supervision.

*Courses that satisfy the Methodology, Pre-modern and Divisional requirements are listed on the History website.

History Major (Arts Program) - ASMAJ0652

Enrolment Requirements:

1.0 FCE 100-level HIS course or 0.5 200-level HIS course

Completion Requirements:

(7 full courses or their equivalent)

First Year: 1.0 HIS FCE at the 100-level; in addition, students may take 1.0 HIS FCE at the 200-level.

Higher Years:

Additional HIS courses to a total of seven, meeting the following requirements:

1. At least 2.0 FCEs at the 300-level or above, including 0.5 FCE at the 400-level
2. 1 FCE at the 200-level or above from each of the following divisions*:
 - I. Asia/Africa/Middle East
 - II. Canada/United States/Latin America/Caribbean
 - III. Europe
3. 1 FCE in pre-modern (pre-1800) history*.

* Courses that satisfy the Pre-modern and Divisional requirements are listed on the History website.

Courses in other departments:

a) Equivalent Courses: the History Department website lists a number of history courses offered by other departments, such as East Asian Studies, Near and Middle Eastern Civilizations, and Classics which can be taken for program credit. Typically these courses are taught by faculty members who are trained as historians

but whose primary appointment is in another department; they may include subjects not covered by HIS offerings. These are considered equivalent to HIS courses for the purpose of all program requirements except the 100-level requirement, and there is no limit on the number of these courses that can be included in a student's program.

b) Related Courses: the History Department website also lists a number of courses in other departments that may be substantially historical in content but that differ in methodology or approach from an HIS course. History Majors may draw up to 1.0 FCE to fulfill items 1 through 3 of the Major program. **Note:** A 100-level related course may be applied toward the Divisional or Pre-modern requirements but does not take the place of the required 100-series HIS course.

History Minor (Arts Program) - ASMIN0652

Completion Requirements:

(4 full courses or their equivalent)

First Year:

1.0 HIS FCE at the 100-level is required. It is recommended that students complete this requirement prior to enrolling in the minor program.

Higher Years:

Additional HIS courses to a total of 4.0 FCEs, including at least 1.0 FCE at the 300- or 400-level.

Courses in other departments:

a) Equivalent Courses: the History Department website lists a number of history courses offered by other departments, such as East Asian Studies, Near and Middle Eastern Civilizations, and Classics which can be taken for program credit. Typically these courses are taught by faculty members who are trained as historians but whose primary appointment is in another department; they may include subjects not covered by HIS offerings. These are considered equivalent to HIS courses for the purpose of all program requirements except the 100-level requirement, and there is no limit on the number of these courses that can be included in a student's program.

b) Related Courses: the History Department website also lists a number of courses in other departments that may be substantially historical in content but that differ in methodology or approach from an HIS course. History Minors may draw up to 1.0 FCE as part of their History program. **Note:** A 100-level related course may not be used to fulfill the required 100-series HIS course.

Regarding History Courses

Note: Not all of these courses are taught every year. Please check the Arts & Science timetable or the HIS Department website for the list of courses offered in 2019-2020.

First-Year Foundation Seminars

First-Year Foundation Seminars are open only to newly-admitted, Faculty of Arts & Science students (3.5 credits or less). They are full-credit or half-credit courses that focus on discussion of issues, questions and controversies surrounding a particular discipline (or several disciplines) in a small-group setting that encourages the development of critical thinking, writing skills, oral presentation and

research methods. FYF seminars are as rigorous and demanding as any other first-year course and require in addition the acquisition of those skills expected of successful undergraduate students. With a maximum enrolment of 30 students each, they are an ideal way to have an enjoyable and challenging small-class experience in your first year. Details can be found at www.artsci.utoronto.ca/current/course/fyh-1/.

First-Year Foundation Seminars:

- Count as 1.0 or 0.5 of the 20 credits required for an Hon. B.A., Hon B.Sc. or B. Com.
- First-Year Foundation Seminars are not required to get into any Program of Study. However, they may count towards your Program. Please check with your college registrar for further details.
- Can be counted towards the breadth requirement.

100-Series Courses

All 100-series HIS courses are mutually exclusive, with the exception of AP, IB, CAPE, or GCE transfer credits. Students may enrol in only one 100-series History course. Students enrolled in more than one of these courses (or who have completed one of these courses or a previous HIS 100-series course with a mark of 50% or greater) will be removed at any time. First-Year students can also enrol in 200-series HIS courses.

History Courses

HIS100Y1 - History of the Arctic

Hours: 48L/20T

People have made the Arctic home for millennia, creating circumpolar cultures in its challenging climate. This course compares and examines connections in the contested polar region through several themes: cultures in contact, trade and exploration, environment, crime and punishment, and defense and sovereignty.

Exclusion: Any 100-level HIS course, with the exception of AP, IB, CAPE, or GCE transfer credits.

Distribution Requirements: Humanities

Breadth Requirements: Living Things and Their Environment (4); Society and its Institutions (3)

HIS101Y1 - Histories of Violence

Hours: 48L/20T

Ranging widely chronologically and geographically, this course explores the phenomenon of violence in history. It examines the role and meanings of violence in particular societies (such as ancient Greece and samurai Japan), the ideological foundations and use of violence in the clash of cultures (as in slavery, holy wars, colonization, and genocide), and the effects and memorialization of violence.

Prerequisite: None

Exclusion: Any 100-level HIS course, with the exception of AP, IB, CAPE, or GCE transfer credits.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3); Thought, Belief and Behaviour (2)

HIS102Y1 - Empires, Encounters and Exchanges

Hours: 48L/20T

Interactions among peoples, empires, and cultures, with particular attention to the non-European world. Can we speak of "international relations" before the modern concept of nation-states was established? What forms did globalization take in the pre-modern era? Covering a broad chronological sweep from before the Silk Road to the present day, we will look at exchanges of goods and technologies; dissemination of ideas and religions; voyages of migration and exploration; and episodes of conquest and colonization.

Exclusion: Any 100-level HIS course, with the exception of AP, IB, CAPE, or GCE transfer credits. HISA04H3/HISA05H3

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3); Thought, Belief and Behaviour (2)

HIS103Y1 - Statecraft and Strategy: An Introduction to the History of International Relations

Hours: 48L/20T

An analysis of the development of the international system, from 1648 to 1945, which highlights the role of war as an instrument of national policy, as a determinant of the system of states and as a threat to international society.

Exclusion: Any 100-level HIS course, with the exception of AP, IB, CAPE, or GCE transfer credits.

Breadth Requirements: Society and its Institutions (3)

HIS106Y1 - The African Diaspora in the Americas, 1492-1804

Hours: 48L/20T

This course introduces the history of the African Diaspora in the Americas, from 1492-1804. Lectures and readings will draw from primary sources and historical scholarship to focus on a range of topics, including slavery and the slave trade, race relations, gender and sexuality, religious and cultural practices, and liberation struggles.

Exclusion: Any 100-level HIS course, with the exception of AP, IB, CAPE, or GCE transfer credits.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS109Y1 - The Development of European Civilization, 1350-1945

Hours: 48L/20T

The shape of traditional society; the forces at work on the social, political, economic, cultural and intellectual structures of Western Europe since the high Middle Ages: the Structure of Traditional Society; the First Period of Challenges, 1350-1650; the Second Period of Challenges, 1650-1815; Confidence, Stability and Progress, 1815-1914; the Collapse of the Old Order and the Condition of Modern Europe, 1914-1945.

Exclusion: any 100-level HIS course

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

HIS107Y1 - Approaches to East Asian History

Hours: 48L/20T

This course draws on the history of China, Korea and Japan between 1600 to 1950 to explore historical issues of gender, nationalism, war and relations with the West.

Exclusion: Any 100-level HIS course, with the exception of AP, IB, CAPE, or GCE transfer credits. HIS284H5/ EAS204Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS195H1 - Drunk History

Hours: 24S

Histories of wine or beer or vodka often focus either on the production of these alcoholic beverages and their role in national economies, or the ways that drinking is part of celebrations. But drunkenness enters the historical record in other ways, too--not just as a social lubricant but as a social ill, one associated with intimate violence or violence to the self and with mass protest. From worries about the Gin Craze to the rise of temperance movements and eventually the passing of Prohibition, from tax policies to policing, this class will consider the many ways that drunkenness has been accepted, denounced, and legislated about in societies around the world. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS196H1 - Religion and Violence

In this seminar we will explore the complex roles of religion in cases of extreme violence. Working chronologically backward from the 1990s (Rwanda, former Yugoslavia), we will consider cases from a number of locations and decades in the 20th Century (Cambodia in the 1970s, the Holocaust in the 1940s, Armenians in the 1910s, Southwest Africa in the 1900s). Rather than limiting ourselves to the recent past, we will also explore cases from the 19th century (imperialism) and earlier as well as ongoing situations that connect past and present (aboriginal people in the Americas). Students will be expected to do the assigned reading (from personal accounts, primary sources, and scholarly articles), participate actively in discussions, prepare a series of short responses, make oral presentation individually or with a group, and produce a final paper based on original research. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS197H1 - Microhistory, Global History, and Historical Narrative

Hours: 24S

How do historians make arguments and tell stories? How does the scale of their gaze affect their narrative strategies? In this course, we will consider a number of topics and themes related to these questions: the difference between microhistory and biography (or microhistory and regional history); the relationship of microhistory to global history; the role of the historian in these kinds of history; and the ways that microhistory and global history both pose particular problems of narrative. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS202H1 - Gender, Race and Science

Hours: 24L/10T

This course examines scientific ideas about human difference from the 18th-century to the present. It explores how scientists and their critics portrayed the nature of race, sex difference, and masculinity/femininity in light of debates over nation, citizenship, colonialism, emancipation, knowledge and equality. The course will also introduce students to the uses of gender and race as analytic categories within the practice of history. While the course draws much of its subject matter from the history of the United States, it also explores selective issues in European and colonial contexts.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS205H1 - Topics in Women's History

Hours: 24L/10T

This course introduces students to the diverse experiences of women from a comparative perspective. Students will study how women's strategies have shaped the major cultural, economic, political and social processes in the world and how these processes have affected women's experiences in their particular societies. By studying women's history from both local and global perspectives, students will engage critically with claims that women's history is universal. The local focus of the course will rotate between Africa, Asia, Europe, and North America, depending on the expertise of the instructors.

Prerequisite: None

Exclusion: HIS245Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS198H1 - Decolonizing Women's History

This course introduces students to the historiographical and theoretical debates in women's and gender history from a global perspective, with emphasis on the local histories of women in the non-western world. Students will study the themes in women's history as articulated by first and second wave feminists. The second part of the class deconstructs the basic assumptions of Western feminism through the perspective of post-colonial feminist writings and empirical studies. The readings are structured so that you consider how examples from Asia disrupt narratives of universality in Western feminist epistemologies. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS205Y1 - Topics in Women's History

Hours: 48L/20T

This course introduces students to the diverse experiences of women from a comparative perspective. Students will study how women's strategies have shaped the major cultural, economic, political and social processes in the world and how these processes have affected women's experiences in their particular societies. By studying women's history from both local and global perspectives, students will engage critically with claims that women's history is universal. The local focus of the course will rotate between Africa, Asia, Europe, and North America, depending on the expertise of the instructors.

Exclusion: HIS245Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3); Thought, Belief and Behaviour (2)

HIS199H1 - Soccer: The History of the World's Game

This seminar proposes to consider the history of the world's most popular sport, soccer, in broader political, social, economic, and cultural context. We will consider the emergence of the modern game in industrializing Britain in the 19th century; its globalization; its mobilization as a vehicle for political expression, as well as social cultural, and gendered identities; supporter culture; and soccer as an industry. Students will read scholarly works from a range of disciplinary perspectives, including history, cultural anthropology, sociology, literature, and economics. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS208Y1 - History of the Jewish People**Hours:** 48L/20T

An introduction to the history of the Jews throughout the world over the past two thousand years.

Recommended Preparation: HIS102Y1/ HIS103Y1/ HIS109Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS222H1 - African American History from 1865 to the Present**Hours:** 24L/10T

This course examines the history of black people in the United States after the abolition of slavery. Major themes include the promise and tragedy of Reconstruction; gender and Jim Crow; race and respectability; migration, transnationalism, and 20th century black diasporas; black radical traditions and freedom movements; intersectionality and black feminisms; the drug war and mass incarceration; sexuality and the boundaries of blackness.

Exclusion: HIS 298Y1 (2016-17)

Recommended Preparation: Any 100 level course in Arts or Humanities

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS220Y1 - The Shape of Medieval Society**Hours:** 48L/20T

Economic, political, religious, and educational ideas and institutions of the Middle Ages, from the late Roman period to the fifteenth century.

Exclusion: HIS220Y5/HIS220H5/HIS221H5/HISB60H3/HISB61H3

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS230H1 - Indigenous and Early Colonial Caribbean History**Hours:** 24L/12P

This course introduces students to the study of Caribbean history from first human settlement to the late 18th century. Subject matter covered includes indigenous social structures, cosmology and politics; the process of European conquest; the economics, society and political order of colonial society; the Middle Passage; the everyday lives and struggles of enslaved peoples.

Prerequisite: None

Exclusion: HIS294Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS221H1 - African American History to 1865**Hours:** 24L/10T

An introduction to the history of Africans and people of African descent in the Americas generally, and the United States in particular. Major themes include modernity and the transatlantic slave trade; capitalism and reparations; Atlantic crossings; African women, gender, and racial formations; representation, resistance, and rebellion; nation-building; abolitionism and civil war; historical method and the political uses of the past.

Exclusion: HIS298Y1 (2016-17)

Recommended Preparation: Any 100-level course in Arts or Humanities

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS231H1 - Revolution and Emancipation in the Colonial Caribbean**Hours:** 24L/12P

This course explores the history of the late eighteenth and nineteenth century caribbean, from the Haitian Revolution to the U.S. occupation of Cuba and Puerto Rico. Students learn about the first struggles for political independence; the struggle to abolish the slave trade; slave emancipation; indentureship and struggles to define freedom after emancipation.

Exclusion: HIS294Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS241H1 - Europe in the Nineteenth Century, 1815-1914

Hours: 24L/10T

An introduction to modern European history from Napoleon to the outbreak of World War I. Important political, economic, social, and intellectual changes in France, Germany, Austria-Hungary, Italy, and other countries are discussed: revolution of 1848, Italian and German unification, racism and imperialism, the evolution of science, art, and culture, labour protest, and the coming of war.

Exclusion: EUR200Y1/EUR200Y5/FGI200Y5/HIS241H5/HISB93H3

Recommended Preparation: HIS103Y1/ HIS109Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS245H1 - European Colonialism, 1700-1965

Hours: 24L

This course will introduce students to the history of European colonialism. It will analyze the nature of colonial rule, the impact of empire on both colonies and metropoles, and delve into questions of power, gender and culture. It considers slavery and abolition, imperial networks, colonial capital, colonial competition, colonial cultures, the twilight of colonial rule, and a variety of settings.

Exclusion: HIS389Y0, 20155

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS242H1 - Europe in the 20th Century

Hours: 24L/10T

The evolution of European politics, culture, and society from 1914: the two world wars, Fascism and Nazism, the post-1945 reconstruction and the movement towards European integration.

Exclusion: EUR200Y1/EUR200Y5/FGI200Y5/HIS242H5/HISB94H3

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS250Y1 - History of Russia

Previous Course Number: HIS250H1

Hours: 48L/20T

This course is an introductory survey that examines the political, social, and cultural developments that shaped the Russian empire from the settlement of Kiev in the 9th century to the collapse of the Soviet Union in 1991.

Exclusion: HIS250H1/HIS250H5

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS243H1 - Early Modern Europe, 1450-1648

Hours: 24L/10T

The political, social, economic, and intellectual history of continental Europe. The Renaissance, the Reformation, Counter-reformation, growth of the territorial monarchies, the religious wars.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS251Y1 - History of East Central Europe

Hours: 48L/20T

The Polish, Czech, and Hungarian background; the Balkans in the late medieval and early modern periods. Renaissance, Reformation and Counter-reformation, decline and national awakening to the beginning of the 19th century. Partitioned Poland, nationalism in the 19th century; World War I, Peace Settlement, interwar years and the Communist period.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS244H1 - Early Modern Europe, 1648-1815

Hours: 24L/10T

The political, social, economic, and intellectual history of continental Europe. Development of royal absolutism, social change and the crisis of the ancient regime, the Enlightenment, the French Revolution, the Napoleonic era.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS262H1 - Canada: A Short History of Here

Hours: 24L/10T

Designed for non-history students, this introductory survey fulfills the Society and Its Institutions breadth requirement. It is open to all who want to know more about Canada. Make sense of politics today and develop a deeper understanding of Canadian society and its institutions through study of the major events and demographic trends that have shaped the development of this country. Topics will include First Nations/newcomer relations (including treaties and the Truth & Reconciliation report), French/English relations (including Quebec separationism), regionalism, the North, economic history, constitutional developments, and the development of Canadian identity, including common symbols associated with Canada. No essay requirement. Instead, enhance your critical reading and thinking skills through short writing assignments and weekly discussions of tutorial readings.

This course will not count towards History program requirements or as a prerequisite for upper level courses

Exclusion: HIS263Y1, HIS264H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS271Y1 - American History Since 1607

Hours: 48L/20T

A survey of the economic, social, cultural, and political history of the United States from the colonial era to present times.

Exclusion: HIS271H5/HIS272H5/HISB30H3/HISB31H3

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS280Y1 - History of China

Hours: 48L/20T

A broad overview of the history of China from earliest times to the present. The emphasis is on how the meaning of China and the Chinese people have changed through history.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS282Y1 - History of South Asia

Hours: 48L/20T

An introductory survey addressing major themes in the history of South Asia, examining South Asian political economy, social history, colonial power relations and the production of culture. Emphasis is on the period after 1750, particularly the study of colonialism, nationalism, and postcolonial citizenship and modernity.

Exclusion: HIS282H5/HISB57H3

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS283Y1 - Southeast Asian Crossroads

Hours: 48L/20T

This course surveys the historical experiences of the states that constitute present-day Southeast Asia and examines how long term socio-economic trends affected the daily lives of Southeast Asians. Lectures introduce the major themes while weekly readings explore the major themes of the course: state structure; cultural commonalities; ethnic, class and gender relations; religious practice and trade.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS268H1 - Law and History

Hours: 24L/10T

The Federal Interpretation Act of Canada states that the 'law is always speaking'. If the law is always speaking, then it must be speaking in present tense. But if it only speaks in present tense, does it have a past? How might we consider the field of law from different historical angles? This course will introduce students to different historical approaches to and uses of law. Using examples from a wide array of legal traditions (e.g. Common Law, Civil Law, Indigenous Law, Islamic Law), the course will help students gain a greater appreciation for the function, study, and development of law across different times and places.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS291H1 - Latin America: The Colonial Period

Previous Course Number: HIS291Y1

Hours: 24L/10T

The evolution of Spanish and Portuguese America from pre-Columbian civilizations to the wars of independence.

Exclusion: HIS291Y1/HIS290H5

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS295Y1 - African History and Historical Methodology

Hours: 48L/24T

An introduction to African history and the methodology of history more broadly, this course sets out to question how historians do history, examine differences in theories of knowledge, and explore the relationship between academic and cultural representations of the past. The course also draws on anthropology and related disciplines.

Exclusion: HIS381H1/ HIS382H1/HIS295H5

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Thought, Belief and Behaviour (2)

HIS292H1 - Latin America: The National Period

Previous Course Number: HIS292Y1

Hours: 24L/10T

A survey of Latin American history from the wars of independence to the present day.

Exclusion: HIS292Y1/HIS290H5

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS297Y1 - History of Africa from a Gender Perspective

Hours: 48L/20T

This survey of African history is analytical rather than narrative in its approach. It rethinks the way that African history has hitherto been conceptualized and taught by placing the question of gender at the center of the story of Africa.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS293H1 - The Making of the Atlantic World, 1480-1804

Hours: 24L/10T

This course introduces students to the social, economic, cultural and political history of the Atlantic world resulting from European exploration and colonization in the Americas beginning in the 1490s and the growth of the transatlantic slave trade. It focuses on interactions between Africans, Europeans, and Amerindians around the Atlantic Ocean.

Prerequisite: HIS102Y1/ HIS106Y1/ HIS109Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS298Y1 - Themes & Issues in History

Hours: TBA

This is a thematic survey course addressing issues of gender, class, ethnicity, religion, war, economics and political strife through broad-sweep coverage of a region's history. Prepares students for upper-level study through exposure to eyewitness primary sources and conflicting secondary interpretations of events. Consult <http://history.utoronto.ca/undergraduate/fw-courses/> for exact prerequisites and for specific content of the course.

Prerequisite: Varies according to particular course offering. See History website for information.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS299Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

HIS300H1 - Energy and Environment in North American History

Hours: 24L/6T

This course examines the history of energy in North America from the perspective of political economy, environment and social-cultural history. Particular attention is paid to twentieth-century developments and to the relationship between energy and social power. Examples are drawn from both Canada and the United States.

Prerequisite: HIS263Y1 / HIS271Y1/ HIS264H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

JSH300H1 - Literature and History in Russia

Hours: 24L

History and Literature were always interconnected in Russia. Writers not only sought to reflect the society around them, but were themselves often social critics and political figures. The course examines key texts in Russian literary tradition both as works of art and as primary sources for the historian. All readings in English.

Recommended Preparation: HIS250H1/ HIS250Y1 or SLA240H1/ SLA241H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

HIS301H1 - Imperial Spain

Previous Course Number: HIS301Y1

Hours: 24L

This course treats the political, social, and religious history of Spain and its empire ca.1450-1714, including the history of colonial Latin America.

Exclusion: HIS301Y1

Recommended Preparation: HIS243H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS302H1 - Material Culture in Victorian Britain

Hours: 24L

An examination of the products of the first and second industrial revolutions in Victorian England. This course focuses on the cultural history of commercialization and consumerism.

Recommended Preparation: HIS109Y1 or HIS241H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS303H1 - The Mediterranean, 600-1300: Crusade, Colonialism, Diaspora

Hours: 36L

The course treats contact and conflict between Christians, Muslims, and Jews in the premodern Mediterranean world. Within the framework of broad political and economic developments, the course explores a range of topics, including holy war, slavery, religious polemics, colonialism, the commerce in goods and ideas, and ethnic relations.

Recommended Preparation: HIS220Y1 or NMC273Y1 or some medieval history

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS304H1 - Topics in Middle East History

Hours: 24L

An in-depth examination of Middle East historical issues. Content in any given year depends on instructor. See History Website for more details.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

JHP304Y1 - Ukraine: Politics, Economy and Society

Hours: 48L

The history of Ukraine from earliest times to the present. Economic, political, and cultural movements; Kievan Rus', Polish-Lithuanian Commonwealth, Cossack state, national revival, twentieth century statehood, and unification. As this course is designed as an introductory course, the professor welcomes first- and second-year students to enroll, as well as upper-level students. (*Given by the Departments of History and Political Science*)

Distribution Requirements: Humanities; Social Science
Breadth Requirements: Society and its Institutions (3)

HIS305H1 - Popular Culture and Politics in the Modern Caribbean

Hours: 24L

This course examines the connections between popular culture and politics in the modern Caribbean. Aspects of popular culture such as sport, religion, and social constructions of gender will be discussed. The impact of post-war migration, race and racial nationalism and the upheavals of the 1960s on popular culture in the Caribbean will also be themes.

Prerequisite: HIS294Y1/ HIS230H1, HIS231H1
Distribution Requirements: Humanities
Breadth Requirements: Society and its Institutions (3)

HIS306H1 - Islam and Muslims in the Balkans

Hours: 24L

The course examines the history of the Balkans from the fourteenth century until the present day with a particular focus on Islam, Muslims and Muslim culture. Topics include formation of Muslim communities, relations between Muslims and non-Muslims in the Ottoman and Habsburg empires, Sufi Islam, Muslims as minorities and majorities, and their experiences during the break-up of Yugoslavia. No prior knowledge of Balkan history or Islam is assumed.

Prerequisite: 1.0 FCE 200-level HIS course(s)
Exclusion: HIS389H1 (Islam and Muslims in the Balkans)
Distribution Requirements: Humanities
Breadth Requirements: Society and its Institutions (3)

HIS308H1 - The Mediterranean, 1300-1700

Hours: 36L

This course continues with the themes treated in HIS303H1, specifically in the context of relations between the Ottoman empire and European states and the growing impact of the Atlantic world on the Mediterranean.

Prerequisite: HIS303H1
Exclusion: HIS303Y1
Recommended Preparation: HIS220Y1/ HIS243H1/ NMC273Y1
Distribution Requirements: Humanities
Breadth Requirements: Society and its Institutions (3)

HIS309H1 - The European Reformations

Hours: 36L

What happens when a culture changes its religious organization and beliefs? Social and intellectual upheavals beginning in fifteenth century Europe created the split between Catholic and protestant Christians and reshaped the spiritual and political landscape of sixteenth century Europe. Issues covered include religion and politics, toleration, gender, popular piety, class.

Prerequisite: HIS243H1 / VIC240Y1 or permission of the instructor
Exclusion: HIS340H5/RLG346H5
Distribution Requirements: Humanities
Breadth Requirements: Society and its Institutions (3)

HIS310H1 - Histories of North American Consumer Culture

Hours: 24L/6T

This course examines the emergence of a modern 'consumer society' in North America from about 1850 to recent times. The aim is to combine political, social, economic and cultural history to chart changing relationships between North Americans, consumer commodities, and identities.

Prerequisite: HIS263Y1/ HIS264H1/ HIS271Y1
Distribution Requirements: Humanities
Breadth Requirements: Society and its Institutions (3)

HIS311Y1 - Introduction to Canadian International Relations

Hours: 48L/10T

Canadian international affairs in a broader context. Anglo-American as well as Canadian-American relations; the European background to questions such as the League of Nations, appeasement and rearmament, which directly affected Canada without this country being consulted.

Exclusion: HIS311H5/HISC46H3

Recommended Preparation: A course in Canadian history or politics

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS316H1 - Competing Colonialism in Northeast China The Harbin Experiment

Hours: 24L

This course explores the political, social, and cultural history of Harbin, one of the major cities of Manchuria/Northeast China, the product of competing Russian, Japanese, and international colonialism during the first half of the twentieth century, and an early case of multi-ethnic emigration and multiculturalism.

Prerequisite: HIS250Y1 or HIS280Y1 or HIS281Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS314H1 - Quebec and French Canada

Previous Course Number: HIS314Y1

Hours: 24L

A general survey tracing the political, social, and cultural development of a distinct society in Quebec and the rise of self-conscious French-speaking communities elsewhere in Canada.

Exclusion: HIS314Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS317H1 - 20th Century Germany

Hours: 24L

A survey of modern German history in the twentieth century. Topics include World War I and the postwar settlement, the Weimar Republic, the National Socialist dictatorship, the Holocaust, the division of Germany, the Cold War, German reunification, Germany and the European Union, nationalism, political culture, war and revolution, religious and ethnic minorities and questions of history and memory.

Prerequisite: HIS103Y1/ HIS109Y1/(HIS241H1, HIS242H1)/ EUR200Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS315H1 - Narratives of Viet Nam

Hours: 24L

This course introduces students to the multiple ways in which the diverse populations inhabiting the geographic space of Viet Nam construct their histories. Perspectives from Chinese, Charn, ethnic minority and Vietnamese majority populations will be explored.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS318H1 - The "Wild" West in Canada

Hours: 24L/7T

What happens when histories of Canada begin in the West? This course examines the critical challenges that the myths and legacies of the West pose to Canadian history, from pre-contact to 1990. Themes include First Nations and colonialism, immigration, racism, economic development, regionalism, prostitution and illegal economies.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS320H1 - Barbarian Invasions and the Fall of the Roman Empire

Hours: 24L/5T

Covers major events and themes for the period 300-600, including decline of Greco-Roman paganism, conversion to Christianity, individual barbarian groups (Ostrogoths, Visigoths, Huns, Burgundians, Vandals, Franks, Lombards), their culture and impact on empire, Justinian's reconquests.

Recommended Preparation: HIS220Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS323H1 - Rites of Passage and Daily Life in the Middle Ages

Hours: 24L/5T

Reflecting on the life cycle and rites of passage in the medieval period gives the opportunity to study the daily lives of peasants, nobles, monks, nuns, and burghers, and to observe from an interesting angle the differences between female and male life experiences.

Prerequisite: A course specifically on the Middle Ages such as HIS220Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS321H1 - Dark Age Europe, 7th 10th Centuries

Hours: 24L/5T

Surveys major events and figures for the period c. 600-1000, including: Pope Gregory the Great, the Merovingian Franks, Lombard Italy, Byzantine civilization, the rise of Islam, Charlemagne, the Carolingian Renaissance, the Vikings, Anglo-Saxon England to King Alfred, the Ottonians.

Exclusion: HIS320Y1

Recommended Preparation: Some ancient history, ancient Greek or Latin language, early Christianity, Celtic history, Old Irish and Old English languages.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

JHN323H1 - Indigeneity in the Caribbean

Hours: 24L

Explores the legacies of the pre-Columbian era, as well as the post-1492 experiences of people of pre-Columbian Caribbean ancestry. Examines the origins and consequences of the Caribbean's narrative of "indigenous absence", as well as the relationship between indigeneity, globalization and diaspora.

Prerequisite: INS201Y1/ HIS230H1/ HIS231H1/ NEW120Y1/ NEW220H1/ NEW221H1/ NEW224Y1/ NEW225H1/ NEW226H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS322H1 - The High Middle Ages

Hours: 48L/10T

Chronological survey of the history of medieval Europe from 1100 to approximately 1450. The three main topics are: the formation of the modern states, the impact of urban development, and the evolution of spirituality.

Prerequisite: HIS220Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS324H1 - British Imperial Experience, 1600-2000

Hours: 24L

The British empire, at its zenith, covered one-quarter of the earth's land surface. Whatever the rights and wrongs of its history were, the legacies of this global experience continue to influence politics in today's world. Equal coverage is given to early modern and modern history. Some background in British history or international relations is strongly recommended. This course begins at home with English expansionism in the British Isles before moving on to deal with case studies selected from North America, the Caribbean, Africa, South Asia and East Asia. Coherence comes from thematic foci consisting of economics, law, migration, gender and governance.

Prerequisite: HIS103Y1/ HIS109Y1/ HIS241H1/ HIS244H1/ HIS245H1/ HIS368H1/ HIS337H1/ HIS349H1

Exclusion: HISB02H3

Recommended Preparation: HIS102Y1/ HIS103Y1/ HIS109Y1/ HIS202H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS325H1 - Imperial Russia

Hours: 24L

This course focuses on Russia's history during a period of remarkable change and turbulence, when the country more firmly established its far-flung empire while simultaneously attempting to define itself as a nation. From the wars and reforms of Peter the Great through the end of the empire during the First World War, the course touches on questions of social and cultural change, and the political events that allowed or constrained them.

Prerequisite: HIS250H1/ HIS250Y1/permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS328H1 - Modern China

Previous Course Number: HIS328Y1

Hours: 24L

An examination of political, social and economic developments in modern Chinese history to the present day. Main topics may include the decline of the Imperial order and the challenge of Western imperialism; the Republican period; the rise of the Communist movement; the Peoples Republic of China.

Prerequisite: HIS280Y1/ EAS102Y1

Exclusion: JMC201Y1, HIS328Y1

Recommended Preparation: HIS380H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS326H1 - Topics in Chinese History

Hours: 24L

Selected topics on a specific period in Chinese history. Topics in any given year depend on the instructor.

Prerequisite: HIS280Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS329H1 - Central Middle Ages (900-1200)

Hours: 24L

A chronological survey from 900, with the foundation of Cluny by the Duke of Aquitaine, the last waves of Vikings, and the decline and end of the Carolingian Empire, up to 1200, with the Battle of Bouvines, the more formal organization of the first universities and the construction of the Gothic cathedrals. The main question will be: what happens when there is no real central power? Why did the term "Feudalism," now nicknamed the F word by medievalists, was judged inappropriate to describe the situation?

Prerequisite: 9.0 FCE including 1.0 FCE in HIS courses

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS327H1 - Rome: The City in History

Hours: 24L

This course investigates the development of Rome from its mythical foundations, through the Empire, the Middle Ages, Renaissance and Baroque to the modern city, illustrating the shift from the pagan to the papal city and its emergence as the capital of a united Italy after 1870 and a modern European metropolis.

Prerequisite: At least 1.0 FCE European History course(s), or permission of course instructor

Exclusion: VIC348Y1 (2012-16), VIC162H1 (2016-17)

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS330H1 - Germany from Frederick the Great to the First World War

Hours: 24L

Topics include German reactions to the French Revolution, Napoleonic occupation, the Wars of Liberation, industrial expansion, the Revolutions of 1848, unification in 1871, Bismarck and Kaiser Wilhelm II, everyday life, gender relations, avant-garde culture, nationalism, antisemitism, colonialism, and the Great War of 1914-18.

Prerequisite: At least 1.0 FCE HIS course(s) at the 100 or 200 level

Exclusion: HIS341Y1

Recommended Preparation: HIS241H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS331H1 - Modern Baltic History**Hours:** 24L

The history of the Baltic countries, Estonia, Latvia and Lithuania from 1900 to the present day, with emphasis on the emergence of independent Baltic states, World War II, communist era, the Baltic Revolution, the restoration of independence and European integration.

Recommended Preparation: HIS250H1/ HIS250Y1/ HIS251Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**HIS333H1 - Catholic Asia in the Early Modern Era, 1500-1800****Hours:** 24L

This course examines the impact of Catholicism in Asia, from its introduction to its relevance in the contemporary global order. Students will be introduced to how Catholicism and the technologies accompanying it affected historical transitions in local communities in Asia as well as how the growth of these communities has affected the global Catholic Church.

Prerequisite: 1.0 FCE in European or Asian history, or permission of course instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**HIS335H1 - Soviet Cultural History****Hours:** 24L

This course explores Russian culture - art, architecture, film and literature - from 1917 to the post-Soviet present. Readings and screenings trace the relation between culture, history, and revolution from the Russian Avant-Garde and proletarian culture to socialist realism, and from Krushchev's thaw to examples of Soviet postmodernism.

Prerequisite: HIS250H1/ HIS250Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**HIS336H1 - Medieval Spain****Hours:** 36L

This course emphasizes the interaction of Christians, Muslims, and Jews, and the cultural and political distinctiveness of Castile and Aragon in the development of state, society, and culture in medieval Spain.

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)**HIS337H1 - Culture, Politics and Society in 18th Century Britain****Previous Course Number:** HIS337Y1**Hours:** 24L

Deals with England, Scotland, Ireland and the Atlantic World. Addresses major political, social, economic, intellectual and cultural highlights of the "long" eighteenth century. Deals with enlightenment, industrialization and the loss of the first British empire. Interrogates Britain's emerging status as a world power.

Exclusion: HIS337Y1**Recommended Preparation:** EUR200Y1/ HIS109Y1/ HIS243H1/ HIS244H1/ HIS368H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**HIS338H1 - The Holocaust, to 1942 (formerly HIS338Y1/398Y1)****Hours:** 24L/5T

German state policy towards the Jews in the context of racist ideology, bureaucratic structures, and varying conditions in German-occupied Europe. Second Term considers responses of Jews, European populations and governments, the Allies, churches, and political movements.

Prerequisite: Completion of six undergraduate full-course equivalents**Exclusion:** HIS388Y1/ HIS398Y1/HIS338H5**Recommended Preparation:** A course in modern European history**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)

HIS339H1 - History of Modern Israel**Hours:** 24L

This course explores the history of the Jewish state from the rise of Zionism to the present. Topics include the Zionist-Arab conflict, immigration, the construction of a new Hebrew identity, interactions between religion and state, the impact of the Holocaust, and the relationship between Israel and the Jewish diaspora.

Prerequisite: HIS208Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**HIS342H1 - Political and Psychological Liberation in 20th Century Africa****Hours:** 24L

This course examines the growth of movements for the political liberation of Africa and the psychological liberation of Africans from Western imperialism and cultural hegemony. Postcolonial thinking and art was fundamental to the project of decolonization. It uses primary text and films to explore African cultural and intellectual history.

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)**HIS340H1 - The Ottoman Empire, 1800-1922****Hours:** 24L

The course examines the history of the Ottoman Empire from the beginning of the 19th c. until its dissolution in the course of World War I. Topics include Ottoman reforms, relations between the Empire's populations and the state, the diplomatic interactions known as "the Eastern Question," the Young Turk revolution, gender, and intellectual, cultural and artistic developments.

Prerequisite: 1.0 FCE 200-level HIS course(s)**Exclusion:** HIS389H1 (The Ottoman Empire, 1800-1922)**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**HIS343H1 - History of Modern Espionage****Hours:** 24L

An introduction to the historical origins and evolution of modern intelligence services. Topics to be studied include: intelligence in wartime; technological change; intelligence failures; covert operations; counter-espionage; the future of spying. The impact of the popular culture, both in fiction and film is also examined.

Exclusion: HIS343Y1**Recommended Preparation:** HIS103Y1 or an equivalent introduction to modern international relations**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**HIS341Y1 - Germany Among the Global Empires 1840-2010****Hours:** 48L

This course places Germany's long national history in a transnational and global context, exploring its place among the global empires of Britain, Russia, France and the United States from the mid-seventeenth century to the present. Events of the German nation-state's political, social and cultural developments are analyzed through a framework focused on both military expansion and the development of the world economy after 1700. Particular attention is paid to the interplay between strategies for a global expansion and transformations in national culture, looking at Germany in the world and the world in Germany.

Prerequisite: Two HIS courses from the following: HIS102Y1/HIS103Y1/HIS107Y1/HIS109Y1/HIS241H1/HIS242H1/HIS243H1/HIS244H1/EUR200Y1/HIS250Y1/HIS271Y1**Recommended Preparation:** HIS102Y1/HIS109Y1/HIS241H1/HIS242H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1); Society and its Institutions (3)**HIS344H1 - Conflict and Co-operation in the International System Since 1945****Hours:** 24L

An examination of the conduct and consequences of international politics in an atomic/nuclear age when the stakes of the Great Game were not just the fates of states and nations, but the survival of humanity itself. The diplomatic, strategic and economic aspects of international relations will all receive appropriate elucidation.

Exclusion: HIS344Y1**Recommended Preparation:** EUR200Y1/HIS103Y1/HIS241H1/HIS242H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)

HIS345H1 - History and Film

Hours: 24L/36P

This course is designed to further students knowledge of films relationship to the events they depict and their undeniable power as representational systems to render history effectively. This will necessarily entail both close examination of the formal systems film rely upon and an understanding of the distinction between fictional and non-fictional forms in film.

Prerequisite: 2 full courses in history or permission of instructor

Recommended Preparation: INI212Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS346H1 - Rice and Spice in Southeast Asia: a Regional Food History

Hours: 24L

This course examines the importance of food products in the livelihoods of the inhabitants of Southeast and in the world economy. It traces the circulation of these products within the Southeast Asian region in the pre-modern period, into the spice trade of the early modern era, and the establishment of coffee and sugar plantations in the late colonial period, and the role of these exports in the contemporary global economy.

Recommended Preparation: HIS283Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

HIS347H1 - The Country House in England 1837-1939

Hours: 24L

This course examines class, distinction and community through the lens of the English country house from 1837 to 1939. Topics include owners, servants, houses, collections, gardens and rituals such as fox hunting.

Prerequisite: A course in British or European history

Recommended Preparation: HIS349H1/ HIS302H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS348H1 - Topics in Gender History

Hours: 24L

An in-depth examination of issues in gender history. Content in any given year depends on instructor. See History website for more details.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS349H1 - History of Britain: Struggle for Power

Hours: 24L

An introduction to the history of modern England with emphasis on the search for identity with reference to the nation, the crown, class, gender, age, political parties, race and ethnicity.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS350H1 - War, State & Society

Hours: 24L

This course surveys the relationship between society, the military, and warfare from the 18th century to the present. Combining methodologies from History and International Relations, we examine the distinction between war and other kinds of inter-human conflict; the origins and effects of conscription; the relationship between modern nationalism and military service; gendered and minority perspectives on combat; and the impact of the World Wars on combatants and civilians.

Prerequisite: 1.0 FCE in European history, or permission of course instructor

Recommended Preparation: HIS103Y1/ HIS241H1/ HIS242H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS351Y1 - History of Twentieth-Century Russia

Hours: 48L

A survey of the history of Twentieth-Century Russia. The social, economic, and political development of Twentieth-Century Russia, with an emphasis on the Russian Revolution and Stalinism. Stress is placed on modern historiographical issues.

Exclusion: HIS351H1/HIS351H5

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS354H1 - Men, Gender and Power in Europe from the Renaissance to the French Revolution

Previous Course Number: HIS354Y1

Hours: 24L

An investigation of how ideas of masculinity and gender roles shaped the exercise of private and public power in early modern Europe.

Exclusion: HIS354Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS352H1 - A History of Women in Pre-colonial East Africa

Hours: 24L

This course examines the lived experience of women in societies, communities and polities of varying sizes across territories that cover eight contemporary East African states. It encompasses the period from 1000 B.C to the end of the nineteenth century. Topics covered are clustered under four broad themes: a) Ecology, work in commodity production, wealth and exchange relations; b) "Institutional" power, ideology and structures; c) "Creative" power particularly in the areas of healing, resistance/contestation and transformation; and d) Violence, war and vulnerability.

The course challenges present day gender and identity categories applied to Africa's deep past and highlights critical nuances of gender, identity and power dynamics in Africa.

Prerequisite: NEW150Y1 or any course in African History

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS355H1 - A History of Pre-modern Medicine

Hours: 24L

This course surveys major themes and developments in the history of medicine from c.600 BCE to 1800 CE. Topics include: Hippocrates, Galen and their reception in the Middle Ages; monasteries, medicinal gardens and hospitals; medieval licensing of physicians and pharmacists; medieval scholastic medicine; the Black Death; Renaissance anatomy and charlatans; New World drug discoveries; William Harvey's heart, William Witherings's foxglove, the isolation of morphine.

Prerequisite: 1.0 FCE in medieval or pre-modern history, or permission of course instructor

Recommended Preparation: HIS220Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS357Y0 - The Renaissance

Hours: TBA

Exclusion: HIS357Y1/ HIS357H1/HIS357Y5/HIS357H5

HIS353Y1 - Poland: A Crossroads of Europe

Hours: 48L

Social and political history of Poland from the 10th to the 20th century. Analysis of the political history in a broader, central European context; consequences of Christianization of medieval Poland and the Polish-Lithuanian union; Sarmatian culture, Antemurale, Polish Messianism and Cordon sanitaire.

Prerequisite: HIS251Y1/permission of the instructor

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS357Y1 - A Social History of Renaissance Europe

Previous Course Number: HIS357H1

Hours: 48L

A social history of the 15th and 16th centuries set against the cultural and political background. Emphasis on changes in customs and living conditions resulting from economic, legal, intellectual, and religious developments of the period.

Exclusion: HIS357H1/HIS357Y0/HIS357Y5/HIS357H5

Recommended Preparation: A course in Renaissance or Early Modern European history

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS360H1 - Critical Histories of the Black Canadian Experience

Previous Course Number: HIS360Y1

Hours: 24L

This course explores the long history and diverse experiences of African Canadians in Canada. Topics may include slavery, the underground railroad, migration, and Black life in rural and urban Canada throughout the 20th century. Discussions will be situated in broad and transnational debates about race.

Exclusion: HIS360Y1

Recommended Preparation: Any 100 or 200 level HIS course

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS358H1 - Canadian History in 100 Objects

Hours: 24L

The Canadian history course focuses on museums and material culture (history of objects). Using museum visits, lectures, and workshops, students in this course have an opportunity to conduct original research on how artefacts (and the institutions that house them) offer us new ways of thinking about the past.

Prerequisite: HIS264H1 or HIS263Y1

Exclusion: HIS389H1 (Material Culture in Canada)

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS361H1 - The Holocaust, from 1942

Hours: 24L/5T

Follows on HIS338H1. Themes include: resistance by Jews and non-Jews; local collaboration; the roles of European governments, the Allies, the churches, and other international organizations; the varieties of Jewish responses. We will also focus on postwar repercussions of the Holocaust in areas such as justice, memory and memorialization, popular culture and politics.

Prerequisite: completion of 6 undergraduate full-course equivalents and HIS338H1

Exclusion: HIS338Y1/HIS361H5

Recommended Preparation: a course in modern European history

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS359H1 - Regional Politics and Radical Movements in the 20th Century Caribbean

Hours: 24L

The role of nationalism, race and ethnicity, class conflict and ideologies in the recent development of Caribbean societies; Europe's replacement by the United States as the dominant imperial power in the Caribbean; how this mixture of regional and international pressures has led to widely differing political systems and traditions.

Recommended Preparation: HIS294Y1/ HIS230H1,231H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS363H1 - Dynamics of Gender in Canadian History

Hours: 24L

A lecture course which deals thematically with gender issues in Canadian history (including familial roles, changing patterns of work and employment, and participation in the public sphere).

Prerequisite: HIS263Y1/ HIS264H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS364H1 - From Revolution to Revolution: Hungary Since 1848

Hours: 24L

This course offers a chronological survey of the history of Hungary from the 1848 revolution until the present. It is ideal for students with little or no knowledge of Hungarian history but who possess an understanding of the main trends of European history in the 19th and 20th centuries. The focus is on the revolutions of 1848-1849, 1918-1919, the 1956 Revolution against Soviet rule and the collapse of communism in 1989. The story has not been invariably heroic, violent and tragic.

Prerequisite: A 100 level HIS course

Exclusion: None

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS367Y0 - Making and Re-Making Central Europe: Imperial Pasts, Imperial Aspirations, Wars and Revolutions

Hours: 48L

The cities of Central Europe, and most notably those of the Habsburg Empire, were at the forefront of Europe's cultural, artistic and intellectual development until the outbreak of the Second World War. Moreover, these cities remain living monuments to the achievements of European culture to the present day. These cities also represent some of the darker aspects of European history. The goal of this course is to familiarize students with the history of Central Europe, the complex historical role of central European cities, their interaction with imperial and then national cultures, economies and societies, and their importance in creating modern nation states.

Offered in summer only as part of the Summer Abroad Program.

Prerequisite: 1 FCE in History

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS366H1 - Aboriginal Peoples of the Great Lakes from 1815 to the Present

Hours: 24L/5T

Explores the history of Aboriginal peoples (Indigenous and Metis) living in the Great Lakes Region after the Great Lakes were effectively split between British North America (later Canada) to the north and the United States to the south, when a rapidly increasing newcomer population on both sides of the border marginalized Indigenous peoples and settled on their land. Topics include a comparative examination of Indigenous experiences of colonialism, including treaties and land surrenders as well as the development of government policies aimed at removing and/or assimilating Great Lakes peoples. This course will also study resistance by First Nations and Tribal Councils to those programs over nearly two centuries and assess local strategies used for economic and cultural survival.

Prerequisite: HIS263Y1/ HIS264H1/ HIS271Y1

Exclusion: HIS369Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS368H1 - Early Modern Britain, 1485-1660 (formerly HIS238H1)

Hours: 24L

Introduction to the political, social and religious history of early modern England, Scotland and Ireland. Particular attention will be paid to the history of the monarchy, the Protestant Reformation, gender issues and relations between different parts of the British Isles.

Exclusion: HIS337Y

Recommended Preparation: EUR200Y1, HIS109Y1/ HIS243H1/ HIS244H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS369H1 - Aboriginal Peoples of the Great Lakes from 1500 to 1830

Hours: 24L/5T

Explores the history of Aboriginal peoples (Indigenous and Mtis) living in the Great Lakes Region from the 16th century to the aftermath of the war of 1812. Weaving together interdisciplinary sources, this course examines central events in Great Lakes history including the formation of the Wendat and Haudenosaunee Confederacies and key Anishinaabek alliances, the arrival of European newcomers into an Indigenous landscape, the social-political impact of new diseases, reactions to European missionaries, the fur trade, major conflicts and peace processes including the Great Peace of Montreal, the Treaty of Niagara and the 60 Years War for the Great Lakes; and ending with the period of significant encroachment of new settlers on Indigenous lands. Tutorials, primary source analysis, essay, exam.

Prerequisite: HIS263Y1/ HIS264H1/ HIS271Y1/ INS201Y1

Exclusion: HIS369Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS371H1 - Canadian Political History

Hours: 24L/12T

This course examines the history of Canadian politics from the late colonial period to the recent past. Lectures and tutorials will focus attention on specific political issues (responsible government, Confederation, war, welfare, battles over voting rights, campaigns for social change, etc) but also consider the deeper structural, social, economic, and cultural dynamics that shaped politics over time. The course takes a broad view of politics (elections and parties but also social movements, interest groups, bureaucracy). A key theme is the nature of political power in a democratic polity.

Prerequisite: HIS264H1/ HIS263Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS372H1 - Topics in U.S. History

Hours: 24L

In-depth examination of selected periods or themes in U.S. history. Topic in any given year depends on instructor. See History website for more details.

Prerequisite: HIS271Y1

Exclusion: HIS372H5/HISD36H3

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS373H1 - Servants and Masters, 1000- 1700

Hours: 24L

This course will explore the history of all types of servants, from the ladies-in-waiting to the domestic slaves, in Western Europe between 1000 and 1700. The goal will be to observe especially their working and living conditions, as well as the changing perception of service through time.

Prerequisite: A course on the Middle Ages or on the early Modern Period

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS374H1 - American Consumerism - The Beginnings

Hours: 24L/6T

This course looks at the early origins of American consumerism. It begins with 17th-century England and the economic imperatives within the Atlantic World, then traces the changing attitudes of 18th-century Americans towards consumer goods, fashion and style that led to the mass consumption of the 19th century.

Prerequisite: 4.0 FCE HIS courses including HIS271Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS376H1 - The United States: Now and Then

Hours: 24L

An exploration of some of the historical roots of issues that are of particular importance to understanding the United States of the early 21st century: e.g., the conflicts in Iraq, Afghanistan, and Syria and U.S. global leadership (or hegemony); the impact of globalization on the domestic economy; cultural innovation vs. neo-conservatism.

Prerequisite: HIS271Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS377H1 - 20th-Century American Foreign Relations

Previous Course Number: HIS377Y1
Hours: 24L

A survey of the history of American foreign relations from 1898 to the present. Themes include imperial expansion and the uses of power; the relationship of business and government in U.S. foreign policy; and the role of culture and ideas in Americas relations with the world.

Prerequisite: HIS271Y1/ POL208Y1

Exclusion: HIS377Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS383Y1 - Women in African History

Previous Course Number: HIS383H1
Hours: 24L

This course subjects our increasing knowledge about African women's history from the mid-19th century to the present to critical analysis. It goes beyond restoring women to history and seeing African women as victims impacted upon and struggling against colonialism and neo-colonialism. It examines how African women's lived experiences have been represented, packaged, and delivered to different audiences.

Prerequisite: HIS295Y1/ HIS297Y1/ NEW150Y1/ NEW250Y1/ NEW351Y1/ POL301Y1 or permission from the Instructor

Exclusion: HIS383H1/HISC97H3

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS378H1 - America in the 1960s

Hours: 24L

A survey of one of the most turbulent decades in American history. Examines the political, social, economic and cultural revolutions that transformed the face of America.

Prerequisite: HIS271Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS384H1 - The Baltic Sea Region from the Vikings to the Age of Nationalisms

Hours: 24L

This course traces political, cultural and socio-economic developments in North-Eastern Europe, the Baltic Sea region, from the Viking Age to the end of the 19th century. Topics include the crusades, the Hanseatic League and trade, the Reformation, the struggle for hegemony between the Swedish and Russian empires, the Enlightenment, national movements, and industrialization.

Prerequisite: 9.0 FCE including 1.0 FCE in HIS courses

Recommended Preparation: A course in European History

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS379H1 - Vietnam at War

Hours: 24L

This course examines war in modern Vietnam, beginning with Vietnamese nationalism in the 19th century to the conflicts with France, the United States, and China. We will consider the military, political, economic, and cultural contexts of these complex and interconnected wars, especially from the viewpoint of the Vietnamese people.

Prerequisite: 1.0 FCE of prior course in History, any field

Exclusion: HIS400H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

JHA384H1 - Japan in the World, mid-16th to mid-20th century

Hours: 24L

This course examines Japan within the context of world history from the mid-16th to the mid-20th century. Rather than seek comprehensive coverage of Japan's national history along a linear timeline, we will use Japan as a lens through which to consider key moments in the history of the modern world.

Prerequisite: HIS102Y1/ HIS103Y1/ HIS107Y1/ HIS241H1/

HIS242H1/ HIS244H1/ HIS250H1/ HIS250Y1/ HIS271Y1/

HIS280Y1/ HIS281Y1/ HIS282Y1/ HIS283Y1/ HIS291H1/

HIS291Y1/ HIS292H1/ HIS292Y1/ HIS297Y1 or permission of the instructor

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS385H1 - The History of Hong Kong

Hours: 24L

A study of political, economic, and social change in the British colony of Hong Kong from 1842 until the present day.

Exclusion: Students cannot take both the Y and H version of HIS385

Recommended Preparation: HIS280Y1/ JMC201Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS387H1 - France, 1610-1848

Previous Course Number: HIS388Y1

Hours: 24L

This course considers the history of France, from the rise of absolutist monarchy under the seventeenth-century Bourbon monarchs, through the Enlightenment, the Revolution and Napoleonic Empire, and the Restoration, to the fall of the constitutional monarchy in 1848.

Prerequisite: one HIS/FRE course

Exclusion: HIS388Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS385Y0 - The History of Hong Kong

Hours: 48L

A study of political, economic, and social change in the British colony of Hong Kong from 1842 until the present day.

Offered in summer only as part of the Summer Abroad Program.

Exclusion: Students cannot take both the Y and H version of HIS385

Recommended Preparation: HIS280Y1/ JMC201Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS388H1 - France Since 1848

Previous Course Number: HIS388Y1

Hours: 24L

A study of French society, politics and culture from the Paris Commune to the 1990s. Special attention is paid to watershed events like the Dreyfus Affair and the Vichy regime, to issues of regionalism/nationalism, cultural pluralism, women's rights, intellectual and cultural trends, and decolonization.

Prerequisite: EUR200Y1/one course in HIS/FRE

Exclusion: HIS388Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS386H1 - Fascism

Hours: 24L

A comparative and transnational examination of fascist movements and regimes in Europe during 1919-1945. Beginning with Mussolini in Italy and Hitler in Germany, this course analyzes manifestations of the phenomenon in various European countries, including France, Spain, the Baltic states, Central Europe and Scandinavia. We analyze the factors that led to fascist movements obtaining power in certain countries and to their failure in others. Collaboration with Nazi Germany during the Second World War is also explored. Finally, we discuss whether the concept of 'generic' fascism can also be applied to other regions and periods.

Prerequisite: 9.0 FCE including 1.0 FCE in HIS courses

Exclusion: HIS389H1 (Topics in History: Fascism), offered in Winter 2018 and Winter 2019

Recommended Preparation: A course in European History

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS389H1 - Topics in History

Hours: 24L

In-depth examination of historical issues. Content in any given year depends on instructor. See History website for more details.

Prerequisite: 9.0 FCEs including 1.0 FCE HIS course. Further prerequisites vary from year to year, consult the department.

Distribution Requirements: Humanities

HIS389Y1 - Topics in History

Hours: 48L

In-depth examination of historical issues. Content in any given year depends on instructor. See History website for more details.

Prerequisite: 9.0 FCEs including 1.0 FCE HIS course. Further prerequisites vary from year to year, consult the department.

Distribution Requirements: Humanities

HIS390H1 - Slavery in Latin America

Hours: 24L

This seminar focuses on the history of African slavery in Latin America from its origins in the fifteenth century to its abolition in the nineteenth century. Readings will draw from primary sources and historical scholarship related to a range of topics, including the slave trade, gender, religious and cultural practices, and emancipation.

Prerequisite: HIS106Y1/ HIS231H1/ HIS291H1/ HIS292H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

JAH391Y0 - Topics in Anthropology and History

Hours: 48S

Anthropological and Historical perspectives on topics that vary from year to year.

Recommended Preparation: ANT207H1 or a course in European History

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

HIS391Y1 - Black Freedom in the Atlantic World

Hours: 72L

Black writers and historical actors were at the vanguard of re-conceiving, implementing, and realizing much of the Enlightenment project of freedom. Africans and people of African descent significantly affected its meaning in the Atlantic world. The course sets out to explore this history as well as the contemporary practice of freedom.

Prerequisite: 1.0 FCE in African or European history, or permission of course instructor

Exclusion: HIS296Y1/HIS371H5/HISC70H3

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS392Y1 - Screening Freedom

Hours: 48L

This course examines how filmmakers in Africa, The Americas, and Europe have dealt with subjects such as slavery, colonialism, racism and postcolonial issues such as illegal immigration or structural adjustment. The course interpolates texts from HIS391Y1 into these films in order to bring new perspectives to questions of freedom in different media, times, and places.

N.B. This course supplements HIS391Y1.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

HIS393H1 - Digital History

Hours: 24L

Explores implications for history and its methods of the shift from print to digital sources. Imparts introductory skills in the manipulation of digital media, such as the use of maps, GIS and big data.

Prerequisite: 200-level History course or one of WDW235H1/ WDW236H1

Exclusion: HIS389H1 (Topics in History: Digital History), offered in Summer 2015, Winter 2016, and Winter 2017

Distribution Requirements: Humanities

Breadth Requirements: The Physical and Mathematical Universes (5)

JAH391H1 - Topics in Anthropology and History

Hours: 24S

Anthropological and Historical perspectives on topics that vary from year to year.

Recommended Preparation: ANT204H1 or a course in European History

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

HIS394H1 - 20th and 21st Century African Icons: Media and Biography

Hours: 24L

Superseding 19th century European missionary and explorers' accounts of Africa; media in the 20th and 21st centuries have unequivocally played a key role in shaping the globe's views of Africa and Africans. In 2005, BBC Focus on Africa put out an impressive list of more than 100 "African Icons". Since then, a number of websites have come up with various lists of African icons. Who are the African icons and what makes them icons? How have the media contributed in making them icons?

Prerequisite: HIS295Y1/ HIS297Y1/ HIS383H1/ HIS383Y1/ HIS386H1/ HIS481H1/ NEW160Y1/ NEW261Y1/ NEW351Y1/ POL301Y1/ POL361H1 or by permission from the Instructor.

Exclusion: None

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

JHA394H1 - The Asia Pacific War

Hours: 24L

This course examines the Second World War in the Asia Pacific region and highlights: (1) how imperialism and colonialism of both the Euro-American and Japanese varieties were central to the War's outbreak, conduct, and "resolution"; (2) various "local" rather than simply national experiences and memories of the War, including those of marginalized groups in Japan and its colonies, "comfort women," victims of war atrocities, Asian North Americans, African Americans, and Pacific Islanders.

Prerequisite: HIS107Y1/ HIS242H1/ HIS250H1/ HIS251H1/ HIS263Y1/ HIS271Y1/ HIS280Y1/ HIS281Y1/ HIS282Y1/ HIS283Y1/ HIS284Y1/ HIS292Y1/ HIS311Y1/ HIS317H1/ HIS328H1/ HIS338H1/ HIS343H1/ HIS343Y1/ HIS344H1/ HIS344Y1/ HIS351Y1/ HIS361Y1/ HIS377H1/ HIS385H1/ HIS385Y1

Recommended Preparation: One or more courses on Japan, China, Korea, or Southeast Asia in any department.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS395H1 - Independent Studies

Hours: TBA

This course provides an opportunity for exceptional third-year students to undertake an independent research project on a topic for which there is not a suitable course offering. Students must find an appropriate supervisor from the Department, submit a proposal, and receive approval for the project. Students must be enrolled in either a History Specialist or Major program; have taken at least 3.0 FCE in HIS with a B+ average; and have approval of an instructor willing to supervise the project. Not eligible for CR/NCR option.

Prerequisite: Third-year standing; 77% average in 3.0 HIS FCEs.
Distribution Requirements: Humanities

HIS395Y1 - Independent Studies

Hours: TBA

This course provides an opportunity for exceptional third-year students to undertake an independent research project on a topic for which there is not a suitable course offering. Students must find an appropriate supervisor from the Department, submit a proposal, and receive approval for the project. Students must be enrolled in either a History Specialist or Major program; have taken at least 3.0 FCE in HIS courses with a B+ average; and have approval of an instructor willing to supervise the project. Not eligible for CR/NCR option.

Prerequisite: Third-year standing; 77% average in 3.0 HIS FCE.

Distribution Requirements: Humanities

HIS396H1 - The Progressive Era and Rise of Big Business in America

Hours: 24L

This course examines the rise of big business in America and its relationship to social and economic changes in United States in the so-called Progressive Era (roughly 1880-1920). We will focus on several themes: the evolution and characteristics of big business; rise of organized labor; evolution of business-government relations; social and economic reform movements; and the changing status of immigrants, African Americans, and women (both white and African-American). In short, we will be studying a pivotal moment in the transformation of modern American society.

Exclusion: HIS389H1 (Topics in History: Business and Society), offered in Fall 2016

Recommended Preparation: One 100 level humanities or business course

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS397H1 - Political Violence and Human Rights in Latin America

Hours: 24L

This course will explore human rights theory and practice from a Latin American perspective. There will be a focus on the local derivation, development and impact of the movement for human rights in Latin America. The course will focus on the history of organized protest against violence in the twentieth century.

Prerequisite: HIS292H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS398H0 - Research Excursions**Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**HIS398Y0 - Research Excursions****Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**HIS399Y1 - Research Opportunity Program****Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

HIS400H1 - The American War in Vietnam**Hours:** 24S

This course examines the French and American Wars (1945-75) in Vietnam and its effects on the population of Vietnam and Southeast Asia. It begins with a brief overview of pre-colonial Vietnamese history and moves into a study of the impact and legacies of colonial rule and centres on the impact of the Wars on the cultures, economies, and societies of Southeast Asia.

Prerequisite: By permission of the Instructor**Exclusion:** HIS315H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**HIS401Y1 - History of the Cold War****Previous Course Number:** HIS401H1**Hours:** 48S

This course covers international relations from World War II to the collapse of the Soviet Union. Topics include the breakdown of the wartime alliance, Soviet predominance in eastern Europe, the Western response, NATO, atomic weaponry.

Prerequisite: HIS311Y1/ HIS344H1/ HIS344Y1/ HIS377H1**Exclusion:** HIS401H1, HISS306H5**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**HIS402H1 - Canada and Decolonization****Hours:** 24S

This course will explore the multi-faceted ways in which Canada was shaped by and was an active participant in global decolonization following the Second World War. An emphasis will be placed on the larger global context in which post-war Canadian history unfolded. Topics will include Indigenous politics, changing migration patterns, Quebec nationalism, diasporic politics, anti-colonial thought and oppositional social movements.

Prerequisite: HIS263Y1/ HIS264H1**Recommended Preparation:** HIS307H1/ HIS312H1/ HIS314H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**HIS403H1 - Jews and Christians in Medieval and Renaissance Europe****Previous Course Number:** HIS403Y1**Hours:** 24S

The course focuses on aspects of Jewish-Christian relations ca.300-1600, such as royal and ecclesiastical Jewish policies; religious polemics; intellectual collaboration; social and economic interaction; anti-Judaism and religious violence. (Joint undergraduate-graduate)

Exclusion: HIS403Y1**Recommended Preparation:** HIS208Y1/ HIS220Y1/ HIS243H1/ HIS322Y1/ HIS357Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)

HIS404H1 - Topics in U.S. History**Hours:** 24S

Selected topics in U.S. history. Topics in any given year depend on the instructor. Please see History website for details.

Prerequisite: HIS271Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**HIS411H1 - Great Trials in History****Hours:** 24S

This seminar course will study a handful of great trials in close detail. Using materials from the modern period in Europe and North America, we will look at the clash of ideas represented in these high-profile cases, the historical setting in which they were embedded, the human drama, legal and sometimes constitutional issues, and their impact both on their societies and our own.

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)**HIS405Y1 - Canadian Foreign Relations****Hours:** 48S

A course on Canadian external relations since 1945. Topics include Canada and the Cold War, the Korean War, the Suez crisis and the war in Vietnam, membership in international organizations, and bilateral relations with other countries. (Joint undergraduate-graduate)

Prerequisite: HIS311Y1/ POL312Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**HIS413H1 - Slave Emancipation in the Atlantic World****Hours:** 24S

Examines the process and consequences of slave emancipation in the Atlantic World, beginning with the French and Haitian Revolutions and concluding with slavery and abolition in West Africa in the early 20th century. Students are introduced to the major literature and historiographical debates surrounding emancipation.

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)**HIS406H1 - Advanced Topics in Gender History****Hours:** 24S

An in-depth examination of issues in gender history. Content in any given year depends on instructor. See History website for more details.

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)**HIS414H1 - Down and Out in Medieval Europe****Hours:** 24S

Explores the life conditions of individuals on the lower echelons of medieval society (the poor, servants and apprentices, the exiled, prisoners, slaves, foreigners and lepers). In parallel, we will discuss the various conceptions of poverty that prevailed in the Middle Ages. These objectives will allow us to glimpse the European Middle Ages from an unusual angle as well as reflect on important socio-economic and religious changes.

Prerequisite: HIS220Y1 or 1.0 FCE on the Middle Ages, or permission of course instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**HIS407H1 - Imperial Germany, 1871-1918****Hours:** 24S

Historiographical controversies and the latest empirical findings concerning social conflict and political mobilization under Bismarck and Wilhelm II. Problems raised by competing schools of interpretation include definitions of the authoritarian state, bourgeois hegemony, localism and regionalism, radical nationalism, workers' culture, and gender relations. (Joint undergraduate-graduate)

Prerequisite: HIS330H1 or permission of the instructor**Exclusion:** HIS407H5**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)

HIS415Y1 - Nationalism & Memory in Modern Europe

Previous Course Number: HIS415H1

Hours: 48S

Investigates the modern concept of the nation and its connections to the idea of collective memory in twentieth-century Europe. Through reading and discussing seminal works on nationalism and national memory, we will discuss the connections between modern notions of nation and practices of remembering.

Prerequisite: Two history courses from the following: HIS102Y1, HIS103Y1, HIS109Y1, HIS241H1, HIS242H1, HIS243H1, HIS244H1, HIS245H1, EUR200Y1, HIS317H1

Exclusion: HIS415H1

Recommended Preparation: HIS102Y1, HIS109Y1, HIS241H1, HIS242H1, HIS243H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS418H1 - Themes in Canadian Environmental History

Hours: 24S

Environmental historians study the reciprocal relationship between humans and nature over time. This course examines key themes in the history of Canada's environment. Possible topics include food, energy, pollution, cities, parks, and environmental movements. Specific themes vary by year, depending on the focus of the instructor. Strong emphasis is placed on reading and research.

Prerequisite: A 2nd year Canadian history course or permission of the instructor.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS419H1 - Canada By Treaty: Alliances, Title Transfers and Land Claims

Hours: 24S

A detailed study of the treaty process between indigenous peoples and newcomers in Canadian history, with examination of the shift between alliance treaties to land surrender agreements from the colonial period through to the signing of recent treaties including the Nunavut Land Claims Agreement and the Nisga'a Final Agreement.

Prerequisite: HIS263Y1/ HIS264H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS420H1 - Russia's Great Patriotic Wars

Hours: 24S

The course examines Russia's wars with Napoleon and Hitler, both as military campaigns and as important nation-building events, largely through memoir literature.

Prerequisite: HIS250H1/ HIS250Y1/ HIS325H1/ HIS351Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS417Y1 - The Oldest Profession in Canada: Sex Work Histories in Comparative Contexts

Hours: 48S

This seminar explores the historical effects of the "world's oldest profession" in Canada and beyond. Using a range of texts, including film, memoirs, oral history and visual culture, it seeks to enhance both historical and contemporary discussions of the sex trade by examining its rich, difficult and problematic pasts. Seminar readings and discussions will examine the lives and experiences of multiple sex trade-involved populations, from affluent 19th-century madams to streetwalkers and queer and trans communities.

Prerequisite: HIS263Y1/ HIS264H1

Exclusion: HIS417H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS422H1 - Early Modern English Popular Culture, 1500-1800

Hours: 24L

Deals with issues of orality, literacy, gender, class, cultural bricolage and vernacular epistemology – the constituents of popular, as opposed to elite knowledge – through the study of folklore, magic, religion, drink, sex, riot and festivity in early modern England. Some background in medieval and/or early modern history or literature is highly recommended. Extensive work will be undertaken with primary printed sources.

Prerequisite: One of HIS101Y1/ HIS109Y1/ HIS220Y1/ HIS243H1/ HIS244H1/ HIS368H1/ HIS337H1/ HIS349H1/ HIS357Y1

Exclusion: HIS496H1 (Topics in History: Early Modern English Popular Culture, 1600-1800), offered in Summer 2018

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS423H1 - Social History of Medicine in the 19th & 20th Centuries

Hours: 24S

Introduces students to current issues in the social history of medicine and some of the major developments in the modern history of the discipline. The format is class discussion based on themes covered in the course textbook, covering such topics as the history of the doctor-patient relationship, changes in physicians' social status, changing attitudes toward the body, and the evolution of various medical and surgical specialties including obstetrics and gynecology. (Joint undergraduate-graduate).

Exclusion: HIS423Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS424H1 - Violence in Medieval Society

Hours: 24S

This seminar explores the social function and meaning of violence in medieval society, and the development of rituals and institutions to control violence. Among the topics treated: Germanic blood feud, aristocratic violence and chivalry, criminal justice systems, violence against minorities, and violence and gender. (Joint undergraduate-graduate)

Prerequisite: HIS220Y1/ HIS320H1/ HIS321H1/ HIS322H1

Exclusion: HIS327Y5

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS426H1 - Medieval Italy, 400-1000

Hours: 24S

This course surveys the major developments and figures of Italian history by focusing on key primary texts (in translation) with a particular view to urban and legal history which will form the backdrop to understanding artistic and literary achievements in context.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS427H1 - History and Historiography in the Golden Legend

Hours: 24S

The Golden Legend or Readings on the Saints, compiled by Jacobus de Voragine c. 1260, serves as the basis for a seminar on the relation of history and legend as understood in the High Middle Ages. (Joint undergraduate-graduate)

Prerequisite: HIS220Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS428H1 - Medieval Institutes of Perfection

Hours: 24S

The first goal of this seminar is to help students read the sources with a more critical eye, especially narrative sources (Lives of Saints) and normative sources (rules and customaries). The second goal is to study the evolution of the monastic ideal from its origin to the 12th century. (Joint undergraduate-graduate)

Prerequisite: A course specifically on the Middle Ages such as HIS220Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS429H1 - Canada and Empire in the Twentieth Century

Hours: 24S

This course explores the ways in which twentieth century Canada was shaped by its complex relationship to empire. Course readings place Canadian historiography into dialogue with new theoretical and methodological approaches drawn from postcolonial studies, new imperial history, feminist and critical race theory. Topics include the meaning of empire in everyday life, migration, the impact of global decolonization, and Indigenous politics.

Prerequisite: HIS263Y1/ HIS264H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS434Y1 - Kievan Rus

Hours: 48S

The origin of Rus, international trade, the impact of nomadic peoples, the introduction of Christianity, the economic system and the problem of feudalism, the political structure and the dilemma of princely succession; literature and architecture; the displacement of political power centres and depopulation, the preservation of the Kievan heritage. (Joint undergraduate-graduate)

Prerequisite: HIS220Y1/ HIS250H1/ HIS250Y1/ HIS320H1/ HIS321H1/ HIS322H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS432H1 - Topics in Medieval History

Hours: 24S

The students define together with the professor eight different topics (e.g. relics, masculinity, leprosy, clothes, recluses, peasants houses, gynecology and the peace of God). Each topic is approached through a class discussion, on the basis of a common corpus of secondary sources, plus presentations by the students.

Prerequisite: A course in Medieval history such as HIS220Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS435H1 - Themes in Toronto History

Hours: 24S

This course will examine aspects of Toronto's history. It is not a general survey of Toronto history; instead, the course will normally revolve around a specific theme or group of themes. Specific themes vary by year, depending on the focus of the instructor. Strong emphasis will be placed on reading and research.

Prerequisite: Any second year Canadian history course or permission of the instructor

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS433H1 - Polish Jews Since the Partition of Poland

Hours: 24S

To explore the history of Polish Jews from the Partitions of Poland to the present time, concentrating on the 19th and the first half of the 20th centuries: situation of Polish Jews in Galicia; Congress Kingdom of Poland; Prussian-occupied Poland before 1914; during World War II; and post-war Poland. Focus on an analysis of primary sources. (Joint undergraduate-graduate)

Prerequisite: HIS208Y1/ HIS251Y1/permission of the instructor

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS436H1 - Stalinist Terror

Hours: 24S

This research seminar explores topics and issues of violence in the Soviet Union in the 1930s, beginning with forced collectivization and ending with the Great Terror. The seminar focuses on new archivally-based research and aims to contextualize Stalinist terror within larger theories of political and social violence.

Prerequisite: HIS250Y1 or HIS351Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS437H1 - Telling Lies About Hitler: Frauds and Famous Feuds Among German Historians

Hours: 24S

Examines historiographical controversies and their public reception. Topics include the forged Hitler diaries, the David Irving trial, German responsibility for 1914, Daniel Goldhagen's "eliminationist" thesis, Auschwitz as an "Asiatic deed," Wehrmacht complicity in the Holocaust and retrospective films about East Germany.

Prerequisite: HIS317H1/ HIS330H1 or permission of the instructor

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS440H1 - Maps and History

Hours: 24S

Examines the use of maps through the ages to depict spatial relationships and political, social, or cultural authority. Explores the visual display of quantitative information, the evolution of historical atlases, and cartographic crime. Such topics as Lebensraum and gerrymandering illustrate how maps can distort historical processes and communal relationships.

Recommended Preparation: at least three History courses at the 200/300 level

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS438H1 - Inquisition and Society in Medieval and Early Modern Europe

Hours: 24S

Focusing on the institution of the inquisition, this seminar explores the response of ecclesiastical and secular authorities to religious heterodoxy. Among the groups prosecuted by the inquisition discussed: Cathar heretics in France, crypto-Jews and crypto-Muslims in Spain, and witches in Italy.

Recommended Preparation: HIS220Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS442H1 - Jews and the Holocaust in the Soviet Union

Hours: 24S

This course is an advanced research seminar in Soviet history. It will explore the Jewish experience in the Soviet Union, with a focus on the Holocaust. The seminar will begin with an examination of the history of Jews in the Russian Empire and the Soviet Union in the years leading up to the Second World War. Then the course will pivot directly to the topic of the Holocaust on Soviet soil. How did the Holocaust in the "east" differ from the Holocaust in the "west"? How did the conduct of war condition genocide in the Soviet Union? How did Soviet Jews and non-Jews respond to the German genocide? What was the response of Stalin and the Soviet government to the Holocaust? How is the Holocaust remembered by the states and people of the former Soviet Union.

Prerequisite: HIS351Y1 or a course on the Holocaust

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS439H1 - Russia's Empire

Hours: 24S

This course examines ways in which the Russian Empire and Soviet Union expanded their territories, the ways they controlled those colonies, and the ways in which they dealt with rising nationalism both at home and abroad.

Prerequisite: HIS250H1/250Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS443H1 - Society, Culture and Religion in the Renaissance and Reformation

Hours: 24S

Developments in popular/lay/local religion as expressed in a variety of cultural, political, and social forms from 1400-1600; the relation of these forms to both Catholic and Protestant institutional churches. Impact of Renaissance humanism on notions of kinship, order, community, perfection.

Prerequisite: HIS309H1/ HIS357Y1 or permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS444H1 - Topics in Jewish History**Hours:** 24S

Selected topics on a specific period or theme in Jewish history. Topic in any given year will depend on the instructor. Please see History website for details.

Prerequisite: A course in modern European or Jewish history**Recommended Preparation:** A course in Jewish history**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**HIS449Y1 - Ukrainian National Revival****Hours:** 48S

The role of the intelligentsia in East European national revivals; the ethnographic and literary revival; the language question; the press and cultural organizations; education; religion; and political movements. (Joint undergraduate-graduate)

Recommended Preparation: One of the following: JHP204Y1/HIS241H1/ HIS251Y1/ HIS445H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**HIS445H1 - Nationalism****Hours:** 24S

What is a nation? Are nations ancient or modern, unchanging or malleable? Do nations create states, or does the state create the nation? This course seeks to answer these questions through an examination of nationalism, primarily in Europe, from the 1700s through the present.

Prerequisite: 2.0 FCE HIS courses in European history or permission of instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**HIS451H1 - World War II in East Central Europe****Hours:** 24S

The fall of the Versailles system, German and Soviet diplomatic and military activities and their occupational policies in East Central Europe during World War II, economic exploitation, collaboration, resistance, and genocide in the discussed region, its liberation and sovietization in 1944-1945. (Joint undergraduate-graduate)

Prerequisite: EUR200Y1/ HIS251Y1/ HIS334H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**HIS446H1 - Gender and Slavery in the Atlantic World****Previous Course Number:** HIS446Y1**Hours:** 48S

The course examines the relationship between gender and the experience of slavery and emancipating several Atlantic world societies from the 17th-19th centuries. Areas to be covered are the Caribbean, Brazil, the U.S. South, West and South Africa and Western Europe.

Prerequisite: HIS291H1/ HIS294Y1/ (HIS230H1, HIS231H1)/ HIS295Y1**Exclusion:** HIS446Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**JHP451Y1 - The People from Nowhere****Hours:** 48S

This course traces from earliest times to the present the evolution of a people called Carpatho-Rusyns and their historic homeland 'Carpathian Rus', located in the heart of Europe. The historic survey will deal with political, socioeconomic, and cultural developments, all the while testing the hypothesis that nationalities are imagined communities. (*Given by the Departments of History and Political Science*)

Recommended Preparation: a course in eastern European history, or in nationalism**Distribution Requirements:** Humanities; Social Science**Breadth Requirements:** Society and its Institutions (3)

JHP454Y1 - Twentieth Century Ukraine**Hours:** 48S

World War I and the Russian Revolution; the Ukrainian independence movement; the Soviet Ukraine and west Ukrainian lands during the interwar period; World War II and the German occupation; the Soviet Ukraine before and after the death of Stalin. Socio-economic, cultural, and political developments. (*Given by the Departments of History and Political Science*)

Prerequisite: A course in modern European, East European or Russian history or politics such as HIS250Y1/ HIS351Y1/ HIS353Y1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

HIS459H1 - Soviet History and Film, 1921-1946**Hours:** 24S

The history of Soviet cinema and the importance of film as a historical source. Documentary and fiction film; editing, narration, and sound; film distribution and exhibition; the Soviet school of montage and socialist realism; nationality and gender; the Soviet musical comedy of the Stalin era; resistance and dissidence.

Prerequisite: CIN105Y1/ HIS250Y1/ HIS250H1/ HIS335H1

Exclusion: HIS450Y1/ SLA233H1/234H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

HIS455Y1 - Hacking History: Digital Projects Capstone Class**Hours:** 48S

This course provides a unique opportunity to grapple with the challenges of public history, while exploring new methods and technologies in the digital humanities. Each year, we partner with one or more community groups to create historical websites which endure well beyond the school year. Topics vary annually.

Prerequisite: HIS393H1, equivalent experience, or instructor's permission

Recommended Preparation: Basic HTML/CSS skills as learned in self-paced online introductions

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS460H1 - Soviet History and Film, 1941-1991**Hours:** 24S

Soviet film as a historical source and the institutional and ideological history of Soviet film production, distribution, and exhibition. Fiction and documentary film during World War II; the cinema of the Cold War and the Thaw; Soviet new realism and the return of the village; avant-garde cinema of the 1960s-80s; memory and historical revision in late Soviet film. Screenings include never-before-seen archival footage, as well as films and film clips subtitled by the instructor.

Prerequisite: INI115Y1/ HIS250Y1/ HIS335H1

Exclusion: HIS450Y1/ SLA233H1/ SLA234H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

HIS457H1 - The French Revolution and the Napoleonic Empire**Hours:** 24S

Explores the central themes in the history of France during the Revolution and the First Empire. We will consider the periods principal political, social and cultural aspects: the causes of the French Revolution; the shift from constitutional monarchy to Republic; the relationship between politics and religion; the invention of a new republican political culture; counterrevolution and Terror; the Directory; Bonaparte's rise to power; the Napoleonic Empire; the nature of war during the Empire; the Restoration; and the Revolution's legacy in France and beyond today.

Prerequisite: HIS243H1/ HIS244H1/ HIS319H1/ HIS341Y1/ HIS387H1

Exclusion: HISC26H3

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS461H1 - Poland in the 20th Century**Hours:** 24S

The 20th century has been an age of experiments for Poland. Universal, general problems of democracy, authoritarianism, totalitarianism, communism, socialism, free market and centrally planned economies, are examined, as are the ongoing adjustments made by the Polish people. (Joint undergraduate-graduate)

Prerequisite: HIS334H1/ HIS353Y1/permission of the instructor

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS463H1 - Cloth in American History to 1865**Hours:** 24S

Cloth was a major commodity in the early modern world. Positioning early America within a global context and employing a material culture framework, textiles and clothing provide the lens through which to view the social, cultural, economic and industrial development of the United States from pre-European contact until the 1860s.

Prerequisite: HIS271Y1**Recommended Preparation:** HIS374H1/ VIC224Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**HIS466H1 - Topics in Canadian History
(formerly HIS466Y1)****Hours:** 24S

Selected topics in a specific period of Canadian history. Content in any given year depends on instructor. Please see the History Department website for complete description.

Prerequisite: HIS263Y1/ HIS264H1 or permission of the instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**HIS464H1 - Religion and Violence in Comparative Perspective****Hours:** 24S

Examines varying roles of religion in cases of genocide and extreme violence. Seminar proceeds from recent cases (Darfur, Rwanda, wars associated with break-up of Yugoslavia) backward through the 20th century (Cambodia, Indonesia, the Holocaust, Armenians, Herero) and the 19th century (Belgian Congo, Caucasus, native peoples in the Americas).

Prerequisite: one course in HIS/REL/Peace and Conflict**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**HIS467H1 - French Colonial Indochina: History, Cultures, Texts, Film****Previous Course Number:** HIS467Y1**Hours:** 24S

Examines French colonial Indochina through several different lenses. Themes include the cross-cultural contact zones between colonial and colonized societies, imperial culture, expressions of colonial power, and forms of opposition. Colonial novels, translated resistance literature, documentaries, and films are utilized as primary sources to be examined critically.

Prerequisite: ANT344Y1/ EAS204Y1/ GGR342H1/ HIS104Y1/ HIS107Y1/ HIS280Y1/ HIS283Y1/ HIS284Y1/ HIS315H1/ HIS388H1/ NEW369Y1**Exclusion:** HIS467Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**HIS465Y1 - Gender and International Relations****Hours:** 48S

This seminar explores the use of gender as a category of analysis in the study of international relations. Topics include gendered imagery and language in foreign policymaking; beliefs about women's relationship to war and peace; issues of gender, sexuality, and the military; gender and global governance; gender and the global economy; sexual violence; and contributions of feminist theory to international relations theory.

Prerequisite: HIS311Y/HIS344Y/ HIS377H1/ POL208Y1/ POL351H1/ JPP343H1/ WGS160Y1 or permission of instructor**Exclusion:** JHP440Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3); Thought, Belief and Behaviour (2)**HIS470H1 - History, Rights, and Difference in South Asia****Hours:** 24S

Addressing South Asian history after 1750, this course examines ideas of rights, contract, and the rule of law in colonial and postcolonial contexts. Attention is paid to the intellectual history of rights and the central place of colonial and postcolonial questions within that history. Topics include rights and questions concerning indigenous culture, caste and customary practice, gender and capitalist development.

Prerequisite: A mark of 73% or higher in HIS282Y1 or instructors permission**Recommended Preparation:** Background in political and social theory and some background in South Asia**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)

HIS472H1 - Indigenous-Newcomer Relations in Canadian History

Hours: 24S

The trajectory of Canadian history has been (and continues to be) shaped significantly by the changing relationships between indigenous peoples and newcomers to what is now Canada. Through discussion of readings on various seminar topics, we will explore the multi-faceted contours of these relationships, from cultural encounters, treaties & alliances, and missionization to colonization, assimilation, residential schools and contemporary issues.

Prerequisite: HIS263Y1 (73%)/ HIS264H1 (73%)

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS475H1 - Senior Thesis Seminar

Hours: 24S

Compulsory for all Specialists undertaking a one-semester dissertation. Weekly seminars provide training in reviewing literature, writing research proposals, formulating hypotheses and oral presentation of findings.

History Specialists only. Students must find topics and thesis supervisors. Not eligible for CR/NCR option. See department website for pre-requisites and specific registration instructions. (<http://history.utoronto.ca/undergraduate/senior-thesis>)

Prerequisite: Consent of supervisor and department

Exclusion: HIS498H1, HIS499Y1, HIS476Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS473H1 - The United States and Asia since 1945

Previous Course Number: HIS473Y1

Hours: 24S

This seminar examines strategic, economic, ideological, and cultural factors in U.S. relations with East and Southeast Asia. Major themes include the role of cultural and informal diplomacy and the effect of perceptions and misperceptions on both sides of U.S. - Asian interactions.

Prerequisite: 1.0 FCE of prior course in History, any field

Exclusion: HIS473Y1

Recommended Preparation: HIS271Y1/ HIS280Y1/ HIS328H1/ HIS344H1/ HIS376H1/ HIS377H1/ HIS379H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS476Y1 - Senior Thesis Seminar

Hours: 48S

Compulsory for all Specialists undertaking a one-year dissertation. Weekly seminars provide training in reviewing literature, writing research proposals, formulating hypotheses, oral presentation of findings and constructive critique of other students' work. Posters will be prepared for an annual spring conference.

History Specialists only. Students must find topics and thesis supervisors. Not eligible for CR/NCR option. See department website for per-requisites and specific registration instructions.

(<http://history.utoronto.ca/undergraduate/senior-thesis>)

Prerequisite: Consent of supervisor and department

Exclusion: HIS475H1, HIS498H1, HIS499Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS474H1 - Emancipate Yourselves from Mental Slavery? Historical Narratives of Caribbean Decolonisation

Hours: 24S

This course is a critical intellectual history of Caribbean decolonisation. It begins with the Haitian Revolution, exploring and comparing how history was mobilized to structure anti-colonial theories about the making of postcolonial Caribbean societies. Key conceptual frameworks to be examined include indegenism, noirism, creolization, metissage; Caribbean interpretations of Marxism, Negritude and Pan-Africanism.

Prerequisite: HIS294Y1/ HIS230H1, HIS231H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS477H1 - Topics in the Social and Cultural History of Victorian Britain

Hours: 24S

Examination of the impact of industrialism on Victorian society and values. Concentration on Victorian social critics including Engels, Owen, Maynew, Dickens and Morris.

Recommended Preparation: A course in modern British History/Victorian literature

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS479H1 - US Foreign Policy Since World War II

Hours: 24S

An in-depth study of U.S. behaviour in the global arena since World War II. Particular attention will be paid to the origins and evolution of the Cold War, the Vietnam War, the initiatives of the Nixon-Kissinger years, the end of the Cold War, and the relevance of globalization.

Prerequisite: HIS271Y1/ HIS377H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS484H1 - The Car in North American History

Hours: 24S

This seminar examines the history of the car in North America from the perspective of technology, business, landscape and popular culture. Particular attention is paid to issues of production, consumption, geography, and daily life, and to the importance of class race, gender, region, and age in shaping the meaning and experience of car culture.

Prerequisite: HIS263Y1/ HIS264H1/ HIS271Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS480H1 - Modernity and its Others: History and Postcolonial Critique

Hours: 24S

Engaging with influential perspectives in postcolonial historiography, this seminar tracks three major themes in the history of the idea of modernity from the late 18th through the 20th centuries: political freedom, citizenship and the nation-state; capitalism and its critique; and the relationship of history, memory, and identity. (Joint undergraduate-graduate)

Prerequisite: a mark of 73% or higher in HIS282Y1, or instructors permission; HIS470H1

Recommended Preparation: History of colonialism, political theory, or postcolonial literatures

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS485H1 - Topics in Chinese History

Previous Course Number: HIS485Y1

Hours: 24S

A seminar on selected aspects of Chinese history from 1368 to the present. Please see History website for detailed description of topic in any given year.

Prerequisite: EAS102Y1/ HIS280Y1/ JMC201Y1

Exclusion: HIS485Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS486H1 - Writing and Masculinity in Africa

Hours: 24S

Introduces African cultural and intellectual history via a series of important primary texts. These texts provide important insights into the gendered nature of African intellectual movements for liberation as well as wider political discourses. It examines how these authors developed and deployed concepts such as authenticity, modernity, nation, and personhood.

Prerequisite: HIS391Y or an equivalent course in African history

Exclusion: HIS395H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS481H1 - Elite Women, Power, and Modernity in Twentieth-Century Africa

Hours: 24S

The role of elite women in twentieth-century Africa has been overshadowed by studies of non-elite women so much so as to suggest that all women lacked power. This course aims to show how a very limited but important group of women negotiated power in a century of increasing patriarchy. It combines gender with class analysis.

Prerequisite: 300-level African History course or any of the African Studies courses offered at U of T.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS487H1 - Animal and Human Rights in Anglo-American Culture

Hours: 24S

Examines the parallel discourses of animal and human rights in Anglo-American culture from the eighteenth century to the present. The course explores issues of subjectivity and consciousness as well as cruelty and pain. Topics include slavery and abolition, animal welfare and antivivisection, anti-colonial liberation movements, and animal rights campaigns.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS492H1 - Empire & Colonization in the French Atlantic World

Hours: 16S

The first French empire (1604-1791) is typically considered a failed empire. Beginning with the first French exploratory expeditions in the South Atlantic in the mid-16th century, this course examines the social, economic and political history of French imperial expansion during the *Ancien régime* in order to consider the meaning of success, as applied to empire during this period. The focus is on the development of the two colonial centres of the French New World: New France and the French Caribbean.

Prerequisite: HIS244H1/ HIS294Y1/(HIS230H1, HIS231H1)

Recommended Preparation: HIS387H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS489H1 - The History of Psychiatry and Psychiatric Illness

Hours: 24S

Introduces students to current issues in the history of psychiatry and some of the major developments in the evolution of this unique medical specialty. The format is class discussion based on themes covered in the course textbook, covering such topics as changing perspectives on the nature of psychotic illness, the psychoneuroses, disorders of the mind/body relationship, psychiatric diagnosis, and presentations of illness. (Joint undergraduate-graduate).

Exclusion: HIS423Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS490H1 - Everyday Stalinism

Hours: 24S

This seminar explores issues of everyday life in Soviet Russia during the Stalin era. What was the Soviet normal? Topics will include belief systems, dreams and myths, terror, fear, repression, and resistance. Texts include a range of different sources, memoirs, diaries, official state documents, and secondary sources.

Prerequisite: grade of A in HIS250Y1/grade of B+ or higher in HIS351Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS493H1 - Humanity in War: The Modern Evolution of the Law of Armed Conflict

Hours: 24S

This course explores the development of international humanitarian law over the course of the nineteenth and twentieth centuries.

Questions asked will include how modern warfare has been understood as a political, cultural, social and legal phenomenon, and the ways in which such perspectives developed into a program of restraint.

Prerequisite: HIS241H1/ HIS242H1/ HIS344H1/ HIS344Y1/ EUR200Y1 or another course in modern history

Exclusion: None

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HIS494H1 - Gandhi's Global Conversations

Hours: 24S

Primary source analysis of global circuits of ethico-political thought via work and life of Gandhi. Charts transnational environment of Gandhian thought (eg. Ruskin and Tolstoy), its critics (advocates of minority rights, also revolutionary violence) and global afterlife (eg. King, Mandela). Teaches methods in intellectual and political history of the global.

Prerequisite: HIS282Y1 with a mark of 76% or above

Distribution Requirements: Humanities

HIS495H1 - Topics in History (formerly HIS495Y1)

Hours: 48S

An in-depth examination of historical issues. Content in any given year depends on instructor. See History website for more details.

Prerequisite: 14.0 FCEs including 2.0 FCE HIS course. Further prerequisites vary from year to year, consult the department.

Recommended Preparation: Varies from year to year

Distribution Requirements: Humanities

HIS498H1 - Independent Studies

Hours: TBA

History Majors only. These courses result in the production of an independent research project. This may not necessarily take the form of a thesis. Students must find topics and project supervisors. Not eligible for CR/NCR option. See department website for prerequisites and specific registration instructions.

Distribution Requirements: Humanities

HIS499Y1 - Independent Studies

Hours: TBA

History Majors only. These courses result in the production of an independent research project. This may not necessarily take the form of a thesis. Students must find topics and project supervisors. Not eligible for CR/NCR option. See department website for prerequisites and specific registration instructions.

Distribution Requirements: Humanities

HIS495Y1 - Topics in History

Hours: 48S

An in-depth examination of historical issues. Content in any given year depends on instructor. See History website for more details.

Prerequisite: 14.0 FCEs including 2.0 FCE HIS course. Further prerequisites vary from year to year, consult the department.

Recommended Preparation: Varies from year to year

Distribution Requirements: Humanities

HIS496H1 - Topics in History

Hours: 24S

An in-depth examination of historical issues. Content in any given year depends on instructor. See History website for more details.

Prerequisite: 14.0 FCEs including 2.0 FCE HIS course. Further prerequisites vary from year to year, consult the department.

Exclusion: Students may not take both L0601 ("Critical Histories of the Black Canadian Experience") and L0701 ("Race in Canada") offered in 2016-17 Fall/Winter.

Distribution Requirements: Humanities

HIS497H1 - Animal Politics and Science

Hours: 24L

Why is thinking about the animal unsettling for some or strange for others? Especially since Darwin, the question of the animal-what it says about being or not being human-has been at the core of important philosophical and scientific debates. This course examines the ways that question has been answered over time.

Prerequisite: 1.0 FCE in political theory, history of science, or intellectual history; or permission of course instructor

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

History and Philosophy of Science and Technology

Faculty List

University Professor and Acting Director (2019-20)

C. Misak, BA, MA, DPhil, FRSC

Associate Professor and Director (on leave 2019-20)

C.-P. Yeang, BS, SM, PhD, Sc D (V)

Associate Professor and Director of Graduate Studies

B. Baigrie, MA, PhD (V)

Associate Professor and Director of Undergraduate Studies

J. Berkovitz, BSc, MA, PhD (V)

Professors

C. Fraser, MA, Ph D (V)

N. Krementsov, Diploma Candidate of Sciences/History and Philosophy of Science and Technology (V)

D. Walsh, BSc, BA, M Phil, PhD, PhD (V)

Associate Professors

L. Dacome, BA, M Phil, PhD (V)

Y. Fehige, BSc, BPhil, BTheol, MPhil, MTheol, PhD, PhD (V)

M. Vicedo, BA, MA, PhD, PhD (V)

Assistant Professors

Hakob Barseghyan, BA, MA, PhD, PhD (V)

Mark Solovey, BA, MA, MA, PhD (V)

Wen-Ching Sung, BA, MS, MS, PhD (V)

Rebecca Woods, BA, MA, PhD (V)

University Professor Emeritus

T.H. Levere, MA, D Phil, D Litt, FRSC (V)

Professors Emeriti

B.S. Hall, BA, Ph D (V)

J. Langins, M Eng, Ph D (V)

P.M.H. Mazumdar, MB, M Tech, Ph D (V)

P. Thompson, MA, Ph D (V)

M.P. Winsor, M Phil, Ph D (V)

Introduction

How are scientific theories developed? Do values affect science and do scientific theories influence social values? What is the role of science and technology in a democratic society? These are some of the questions that historians and philosophers of science examine. Courses in the philosophy of science engage with the structure of science, its methods, and its special claims to the production of knowledge. Courses in the history of science and technology situate scientific advances in their cultural and socio-economic context.

Students taking HPS courses deepen their understanding of major ideas in science; they learn to think critically about the past and present role of science in human societies, and they improve their skills in oral presentation and debate, research, and writing.

Students pursuing an HPS POST will be ideally suited to any professional or academic context that requires an understanding of

science, science in society, and the relation between the sciences and the humanities.

The Minor programs are designed to complement a wide range of Major or Specialist programs including those in the sciences, history, philosophy, or any program for which the combination of sciences and humanities could prove beneficial. The HPS major program is useful for elementary and secondary school teaching, museum and library work, science writing and editing, law, medicine and other fields where competence in both science and humanities is valuable.

Director of Undergraduate Studies:

Professor Joseph Berkovitz

Victoria College, Room 311

Email: joseph.berkovitz@utoronto.ca

Enquiries:

Victoria College, Room 316 (416-978-5397)

History and Philosophy of Science and Technology Programs

History and Philosophy of Science and Technology Major (Arts Program) - ASMAJ0667

Completion Requirements:

Students are encouraged to meet with the Director of Undergraduate Studies prior to registering for this degree.

7 full courses or their equivalent

First year (recommended):

1. One 0.5 FCE from any HPS100-level courses; up to a 1.0 FCE at the 100 level will count towards the major.

Higher years (required):

Additional HPS courses, to a total of 7 FCEs, to be chosen from any HPS courses (including JHE353H1, JHE355H1, JPH311H1) and meeting the following requirements:

1. At least 1.0 FCEs at the 200+ level.

2. At least 2.0 FCEs at the 300+level, 0.5 of which must be at the 400-level.

History and Philosophy of Science and Technology Minor (Arts Program) - ASMIN0667

Completion Requirements:

4 full courses or their equivalent

1. Recommended: 0.5 FCE from any HPS100-level courses. Up to 1.FCE HPS courses at the 100-level will be counted towards the minor.
2. Recommended: at least 0.5 FCE from any HPS 200-level courses.
3. Additional HPS courses (including [JHE353H1](#), [JHE355H1](#), [JPH311H1](#)), to a total of 4 FCEs, with at least one FCE at the 300+level.

Science and Society Minor (Arts Program) - ASMIN2743

Completion Requirements:

The Minor in Science and Society is an interdisciplinary program that focuses on the different ways science and technology shape modern society and, in turn, how society shapes science and technology. From the food we eat to the way we conceive family relations or our obligations to future generations, our daily practices and our beliefs are increasingly influenced by scientific research and its applications. In turn, politics, public opinion, moral beliefs and cultural practices affect scientific and technological development. Courses in this program address such topics as science and values, science-related policy and politics, ethical uses of technology, scientific revolutions and controversies, modeling and communication of scientific research, and knowledge transfer from research to commercial and societal applications.

(4.0 FCEs, including at least 1.0 FCE at 300+ level)

1. [HPS200H1](#)
2. 1.0 FCE from: [VIC206H1](#), [VIC207H1](#), [VIC274H1](#), [VIC278H1](#), [VIC343Y1](#), [IMC200H1](#), [IVP210H1](#). Students who achieve at least 77% in the Vic One course [VIC170Y1](#) or [VIC172Y1](#) may count that course toward the Minor and use it to fulfill this requirement.
3. 1.0 FCE from: [HPS202H1](#), [HPS210H1](#), [HPS211H1](#), [HPS222H1](#), [HPS260H1](#), [HPS303H1](#), [HPS307H1](#), [HPS308H1](#), [HPS309H1](#), [HPS318H1](#), [HPS319H1](#), [HPS324H1](#), [HPS350H1](#)
4. An additional 0.5 FCE from program requirements 2. and 3. above.
5. An additional 1.0 FCE from program requirements 2. and 3. above and/or from the approved list of cognate courses below:
[ANT353H1](#), [ANT358H1](#), [ANT364H1](#), [BIO220H1](#), [EEB215H1](#), [ENV200H1](#), [ETH220H1](#), [GGR223H1](#), [GGR321H1](#), [HIS355H1](#), [HIS423H1](#), [JGE321H1](#), [PHL273H1](#), [PHL281H1](#), [PHL373H1](#), [PHL380H1](#), [PHL381H1](#), [PHL382H1](#), [PHL383H1](#), [PHL384H1](#), [PHS300H1](#), [PSY328H1](#), [WGS275H1](#), [WGS367H1](#)

History and Philosophy of Science and Technology Courses

HPS100H1 - Introduction to History and Philosophy of Science

Hours: 24L/10T

This is an online introduction to the key issues in the history and philosophy of science. How do scientific theories and method change through time? Is there a universal and unchangeable method of science? What demarcates science from non-science? Can scientific theories provide true descriptions of the world? Is there scientific progress? What are the major worldviews in the history of science? The pre-recorded lectures are available online at any time. Tutorial sessions are live at the portal. For more information: http://www.hps.utoronto.ca/undergraduate_courses.htm

Distribution Requirements: Humanities; Science

Breadth Requirements: Thought, Belief and Behaviour (2)

HPS110H1 - The Science of Human Nature

Hours: 24L/10T

Why do we do what we do? What factors play a role in shaping our personality? What biological and social elements help configure a person's moral and emotional character? In this course, we examine landmark studies that shook standard beliefs about human nature in their time. We analyze those studies in their historical context and discuss their relevance to social, ethical, and policy debates. The studies may include research on mother love, obedience, conformity, bystander intervention in emergencies, deception, race, and gender stereotypes.

Distribution Requirements: Humanities; Science

Breadth Requirements: Thought, Belief and Behaviour (2)

HPS120H1 - How to Think about Science

Hours: 24L/10T

This course addresses the nature of science and its importance to our understanding of ourselves. Questions include: What is a science? Is science objective? What is scientific reasoning? Has our conception of science changed through history? How does science shape our moral image? Does science reveal our natures as humans?

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

HPS200H1 - Science and Values**Hours:** 24L

An introduction to issues at the interface of science and society. Including the reciprocal influence of science and social norms, the relation of science and religion, dissemination of scientific knowledge, science and policy. Issues may include: Nuclear, Biological and Chemical Weapons; Genetic Engineering; The Human Genome Project; Climate Change.

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)**HPS210H1 - Scientific Revolutions I****Hours:** 24L

Case studies in the history of science from antiquity to 1800, including the revolutionary work of Copernicus, Kepler, Galileo, Descartes, Newton, Linnaeus, Lavoisier, and Herschel. The course is designed to be accessible to science students and non-scientists alike.

Exclusion: HPS200Y1**Distribution Requirements:** Humanities; Science**Breadth Requirements:** Thought, Belief and Behaviour (2)**HPS201H1 - Origins of Western Technology****Hours:** 24L/10T

Technology and its place in our culture from Antiquity to the beginnings of the Industrial Revolution. Relations between technology and science, religion, the arts, social institutions, and political beliefs.

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)**HPS211H1 - Scientific Revolutions II****Hours:** 24L

Case studies in the history of science from 1800 to 2000, including Volta, Lyell, Darwin, Mendel, Einstein, Schrödinger, Watson, and Crick. The course is designed to be accessible to science students and non-scientists alike

Exclusion: HPS200Y1, HPS300Y0**Distribution Requirements:** Humanities; Science**Breadth Requirements:** Thought, Belief and Behaviour (2)**HPS202H1 - Technology in the Modern World****Hours:** 24L/10T

A survey of technical change and its social implications from the Industrial Revolution to the present.

Recommended Preparation: HPS201H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**HPS222H1 - Science, Paradoxes, and Knowledge****Hours:** 24L/10T

What is the nature of science and scientific knowledge? What is the nature of space, time and motion? Does science tell us the truth about the world? What are scientific revolutions and how they occur? The course will address these and various other questions about science. It will focus on the bearings that philosophical views had on science in different periods in history, starting from ancient Greece and concluding in the 20th C.

Distribution Requirements: Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**HPS203H1 - Making Sense of Uncertainty****Hours:** 24L

This course examines issues of uncertainty in various contexts of science, technology, and society since the 19th century. Topics may include randomized controlled trials, statistical identification of normal and pathological, biopolitics, philosophical interpretations of probability, Brownian motions, uncertainty principle in quantum mechanics, cybernetic mind, and chance in avant-garde arts.

Distribution Requirements: Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)

HPS240H1 - The Influence of the Eugenics Movement on Contemporary Society

Hours: 24L/10T

This course explores present-day topics such as reproductive issues (including “designer babies” and genetic counselling), gender, racism/colonialism, disability and euthanasia through the lens of the history of eugenics. A “scientific” movement which became popular around the world in the early twentieth century, eugenics was based on the principle that certain undesirable human characteristics were hereditary and could be eliminated by controlled reproduction. It resulted in the enactment of laws in numerous places, including Canada, authorizing coerced reproductive sterilization of certain individuals, and other measures intended to “improve” humanity. Today, we see its influences woven through contemporary debates, a number of which we will consider.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HPS250H1 - Introductory Philosophy of Science

Hours: 24L/10T

This course introduces and explores central issues in the philosophy of science, including scientific inference, method, and explanation. Topics may include underdetermination, realism and empiricism, and laws of nature.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

HPS260H1 - Biology and the Future: Science and Science Fiction

Hours: 24L

This lecture course explores the fantastic visions of humanity's future inspired by the advance of the biological sciences during the twentieth century. Biology provided the scientific underpinning for societal hopes and fears embodied in such cultural icons as robots, aliens, "brains in a vat," and super-humans.

Exclusion: HMB444H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

HPS270H1 - Science and Literature

Hours: 24L/10T

This course will focus on the interplay between science and literature from ancient Greece to the present day. We'll examine the impact of major scientific paradigm shifts on the literature of their time, and situate literary texts within the context of contemporary scientific discoveries and technological innovations.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

HPS272H1 - Science against Religion? A Complex History

Previous Course Number: HPS326H1

Hours: 24L

This course introduces to the central topics arising from the encounter between modern science and religion. It aims to integrate historical and philosophical perspectives about science and religion. Did modern science arise because of Christianity or despite of it? Are science and religion necessarily in conflict? Have they factually always been in conflict throughout history? Are proofs of God's existence obsolete? Has science secularized society? What role should religions play in liberal democracies?

Exclusion: HPS326H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HPS299Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

HPS300H1 - Topics in History and Philosophy of Science and Technology

Hours: 24L/10T

Topics vary year to year.

Exclusion: HPS211H1

Distribution Requirements: Humanities

HPS300Y0 - Britain and the Rise of Modern Science

Hours: TBA

A Historical exploration of Britain's role in the rise of modern science, from the Renaissance to the double helix. Students will be introduced to the work of Hooke, Newton, Cavendish, Davy, Faraday, Maxwell, Rutherford, and others.

Exclusion: HPS211H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2); Society and its Institutions (3)

HPS302H1 - Topics in Philosophy of Science

Hours: 24L/10T

This course can concern topics of special interest in the philosophy of science from Antiquity until present. Topics may include scientific change, rationality, method, evidence, progress, reduction, scientific laws, models, representation etc. The course may also focus on specific-time periods, fields of inquiry, individuals, scientific institutions, geographic locations, etc.

Prerequisite: HPS250H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

HPS300Y1 - Britain and the Rise of Modern Science

Hours: 48L/24P

A Historical exploration of Britain's role in the rise of modern science, from the Renaissance to the double helix. Students will be introduced to the work of Hooke, Newton, Cavendish, Davy, Faraday, Maxwell, Rutherford, and others.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3); Thought, Belief and Behaviour (2)

HPS304H1 - A History Lab: Biomedical Sciences, Past and Present

Hours: 36S

Offers a hands-on introduction to historical research. Through a close examination of classic scholarly texts, archival materials, and recent media publications, this advanced seminar explores the sources, methods, and approaches in historical studies of biomedical twentieth century-sciences.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

HPS301H1 - Topics in the History of Science

Hours: 24L/10T

This course can concern topics of special interest in the history of science from Antiquity until present. Topics may focus on specific-time periods, fields of inquiry, individuals, scientific institutions, or geographic locations.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

HPS307H1 - History of Energy

Hours: 24L/10T

The history of human control of various sources of energy, including technical developments, scientific theories, and impact on culture and society. Recent debates on fossil fuel and nuclear power examined in historical context. (offered irregularly)

Recommended Preparation: HPS201H1/ HPS202H1 or any HIS course

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HPS308H1 - Technology and Prosperity**Hours:** 24L/10T

The systemic nature of modern technology suggests that it has intimate interactions with society, human values, ideologies, and the economy. We will attempt to examine these interactions in history in order to promote reflection on ways in which technology and its evolution could be managed for the benefit of humankind.

Recommended Preparation: any half course in HPS at the 200-level

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HPS309H1 - Worldviews: Aristotelian-Medieval Worldview**Hours:** 24L/10T

This course reconstructs the Aristotelian-medieval mosaic of theories including physics, cosmology, theology, astronomy/astrology, optics, and physiology/medicine. We analyze the role of metaphysics in medieval science, including determinism/indeterminism, plenism/vacuism, finitism/in infinitism, theism/deism, and teleology/mechanism. Finally, we explicate the Aristotelian-medieval method, by focusing on the notions of demonstrative truth, intuition, and deduction.

Recommended Preparation: HPS100H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

JPH311H1 - History of Physics**Hours:** 24L

Topics in the history of physics from antiquity to the 20th century, including Aristotelian physics, Galileo, Descartes, electromagnetism, thermodynamics, statistical mechanics, relativity, quantum physics, and particle physics. The development of theories in their intellectual and cultural contexts.

Prerequisite: At least one-half PHY course at university level

Exclusion: HPS311H1

Distribution Requirements: Humanities; Science

Breadth Requirements: The Physical and Mathematical Universes (5)

HPS313H1 - Two Hundred Years of Electricity**Hours:** 24S

A history of the science and technology of electricity in the 19th and 20th centuries in its social, economic, and cultural context.

Prerequisite: At least one-half CSC/PHY or Electrical Engineering (ECE) course

Distribution Requirements: Humanities; Science

Breadth Requirements: Society and its Institutions (3)

HPS316H1 - Environment, Technology, and Nature**Hours:** 24L/10T

This course examines the intersection of technology and environment in the modern world. Whether simple or complex, whether designed for recreation, work, or warfare, our tools and how we use them filter our perceptions of, and engagements with, non-human nature. Emphasis is on case studies from 1800 to the present.

Prerequisite: 0.5 FCE in HPS or HIS

Recommended Preparation: HPS201H1/ HPS202H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

HPS318H1 - History of Medicine I**Hours:** 24L/10T

This course explores how medicine was practiced, taught and theorized from ancient Greece to the early modern period. It focuses on the historical development of western medicine in relation to societies, politics and culture, and considers topics such as the creation of medical traditions, the transmission and communication of medical knowledge, the pluralistic world of healers, the role of religion, magic and natural philosophy, the cultural meaning of disease, and the emergence of institutions such as the hospital.

Prerequisite: First-year students must have instructors approval

Exclusion: HPS314Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HPS319H1 - History of Medicine II**Hours:** 24L/10T

This course examines the development of medicine from the seventeenth to the twentieth century. It focuses on the historical development of western medicine in relation to societies, politics and culture and considers topics such as changing views of the body, the development of medical institutions such as hospitals, asylums and laboratories, the diversifies world of healing and the place of visual and material culture in the production and dissemination of medical knowledge.

Prerequisite: First-year students must have instructors approval**Exclusion:** HPS314Y1; HPS315H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**HPS321H1 - Understanding Engineering Practice: From Design to Entrepreneurship****Hours:** 24S

This course seeks to understand the nature of engineering practice, which comprises complex social, intellectual, and technical actions at various stages from design to entrepreneurship. Building upon the history and social studies of technology, philosophy of engineering, business history, and management science, we introduce ways to analyze such complex actions.

Prerequisite: Three half-courses (1.5 FCE) with any combination of engineering, natural sciences, medical sciences, or commerce.**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**HPS322H1 - Complexity, Order, and Emergence****Hours:** 10T/24S

A survey of the history of and recent developments in the scientific study of complex systems and emergent order. There will be particular emphasis on the biological and cognitive sciences. Topics covered may include: mechanism and teleology in the history of science, 19th and 20th century emergentism, complex systems dynamics, order and adaptiveness, self-organisation in biology and cognitive development.

Distribution Requirements: Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**HPS324H1 - Natural Science and Social Issues****Hours:** 24L

Historical examination of the interactions of science (both as body of knowledge and as enterprise) with ideological, political and social issues. The impact of science; attacks on and critiques of scientific expertise as background to contemporary conflicts. Subjects may vary according to students interests. (offered irregularly)

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)**HPS325H1 - Modern Science and Holy Texts****Hours:** 24L

This course explores interdisciplinary topics related to the encounter between modern science and texts accepted as holy by religious communities, such as the Bible in Christianity. What role did holy texts play in the emergence of modern science? Did modern science change the way religious communities interpret their holy texts? What to do with claims such as that the Quran contains quantum physics? Does modern science exhibit the same kind of rationality that we find in rabbinical Judaism? Do holy texts only exist to assist humanity's attempts at understanding the meaning of the world, while modern science actually explains the world? What role do texts play in modern science compared to holy texts in religious communities? And, what has modern science to say about the very idea of holy texts?

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)**HPS333H1 - Famous Debates in Science****Hours:** 24L/10T

The course focuses on famous debates in science, such as the Leibniz-Clarke debate on the nature of space, time and God, the Huxley-Wilberforce debate on evolution and the Bohr-Einstein debate on the nature of the quantum reality. The main aim is to explore the philosophical ideas involved in these debates in their historical context.

Distribution Requirements: Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)

HPS352H1 - History of the Human Sciences**Hours:** 24L

This course explores major developments and controversies in the human sciences: psychology, sociology, economics, political science, and anthropology. How have scientists in these areas explained human behavior? How have they described, evaluated, and tried to improve society? We examine these issues in their historical context and consider their contemporary relevance.

Distribution Requirements: Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**JHE353H1 - History of Evolutionary Biology****Hours:** 24L/10T

An examination of major ideas about biological evolution from the 18th century to the 1930s and of their impact on scientific and social thought. Topics include the diversity of life and its classification, the adaptation of organisms to their environment, Wallace's and Darwin's views on evolution by natural selection, sexual selection, inheritance from Mendel to T.H. Morgan, eugenics, and the implications of evolution for religion, gender roles, and the organization of society. Offered by the Institute for the History and Philosophy of Science and Technology.

Prerequisite: 6 full courses or equivalent**Exclusion:** EEB353H1/ HPS323H1/ HPS353H1**Distribution Requirements:** Humanities; Science**Breadth Requirements:** Society and its Institutions (3)**JHE355H1 - History and Philosophy of Evolutionary Biology****Hours:** 24L/10T

An examination of the place of the organism in evolutionary theory from the early 1900s to the present. Biology is the science of living things, and yet, paradoxically, living things--organisms--have been comprehensively left out of the Modern Synthesis theory of evolution that developed in the twentieth century. This course surveys the reasons--historical, philosophical and empirical--for the marginalisation of organisms from evolutionary theory. It examines the ways in which evolutionary developmental biology attempts to restore the organisms to a central place in evolutionary biology. Offered by faculty in the Institute for the History and Philosophy of Science and Technology.

Prerequisite: 6 full courses, including two half-courses or one full-year course in any one or more of EEB, BIO or HPS**Exclusion:** EEB355H1/ HPS333H1/ HPS355H1**Recommended Preparation:** JHE353H1**Distribution Requirements:** Humanities; Science**Breadth Requirements:** Society and its Institutions (3)**HPS360H1 - History of Modern Cosmology****Hours:** 24L

Conceptions of the universe since 1800 with attention to observational sources of changing ideas. History of large telescopes, stellar spectroscopy and radio astronomy. Relativistic conceptions of space and time, models of stellar evolution, discovery of extra-galactic nebulae, Hubble red-shift and microwave background radiation. Philosophical and religious implications are examined.

Distribution Requirements: Humanities; Science**Breadth Requirements:** Thought, Belief and Behaviour (2)**HPS390H1 - History of Mathematics up to 1700****Hours:** 36L

A survey of ancient, medieval, and early modern mathematics with emphasis on historical issues. (Offered in alternate years)

Prerequisite: At least one full course equivalent at the 200+level from CSC/MAT/STA**Exclusion:** HPS310Y1; MAT220Y1**Distribution Requirements:** Humanities; Science**Breadth Requirements:** Society and its Institutions (3)**HPS391H1 - The Story of Number: Mathematics from the Babylonians to the Scientific Revolution****Hours:** 24L/10T

A survey of the development of mathematics from 1700 to the present with emphasis on historical issues. (Offered in alternate years)

Prerequisite: At least one full course equivalent at the 200+level from CSC/MAT/STA**Exclusion:** HPS310Y1; MAT220Y1, MAT391H1**Distribution Requirements:** Humanities; Science**Breadth Requirements:** Society and its Institutions (3)

HPS395Y1 - Science, Development, and Innovation in Contemporary China

Hours: 48L/24P

Science and technology not only are vehicles to build a modern state, but also serve impetus for economic development in many countries. In China, the development of science has intertwined with the transformation from self-reliance to an integrated node of global economy, and from planned to market economy. We will use science and technology as a lens to analyze China's recent social changes from Mao era to post-Mao years. Utilizing interdisciplinary research, we will critically exam the concepts and practices of development, innovation, and science and technology. The course design also includes field trips to key sites of innovations in China, including museums for Chinese medicine, IT and biotech companies, and makers' lab in Shenzhen.

Exclusion: EAS328H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

HPS402H1 - Beyond the Human, Beyond the West: Animals in Transnational Histories of Science and Technology

Hours: 24S

Nonhuman animals are central to the production of scientific facts and artifacts. They also exhibit little innate respect for anthropogenic political boundaries, making their study an effective way into transnational histories of science and technology. This advanced seminar will revisit classic themes in the history of science and technology—the rise of the laboratory; the development of natural history; experimental systems; categories of race, gender, and sex—from the perspective of nonhuman animals. Doing so will allow us to examine what technoscientific practice looks like when mice, monkeys, and *Drosophila* flies take center stage; and to bring nonwestern species, knowledges, practices, and places into existing narratives about the history of science and technology in the “West.”

Prerequisite: Any 300-level HPS course or permission of the instructor

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HPS399Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

HPS401H1 - Scientific Artifacts

Hours: 12T/24S

This course explores the history of science through direct engagement with location scientific artifacts within the University of Toronto Scientific Instrument Collection (UTSIC.org). Each student will undertake a research project focused on a single artifact within the collection in order to explore both the local history of science and the methodology of material culture research as it relates to science.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HPS410H1 - History of Mathematics

Hours: 24S

An historical survey from pre-Greek to the present. Various themes are emphasized year to year, to show mathematics as changing and evolving. A student could expect to gain an historical overview as well as a sense of the unity of the mathematical sciences.

Prerequisite: HPS309Y1/ HPS310Y1/ HPS390H1/ HPS391H1/ MAT220Y1 and permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HPS411H1 - Conceptual Foundations of Mathematics

Hours: 24S

An examination of foundational and conceptual aspects of mathematics such as: the nature of mathematical objects, logicism, Church's elementalistic mathematics, Gödel's theorem and formal systems, postulational methods, mathematics and reality, the cardinal, ordinal and abstract approaches to numbers, infinity, and Euclidean and non-Euclidean geometries. Not eligible for CR/NCR option.

Prerequisite: PHL245H1/ HPS390H1 or HPS391H1 or HPS410H1 or permission of the instructor

Exclusion: PHL346H1

Distribution Requirements: Humanities; Science

Breadth Requirements: The Physical and Mathematical Universes (5)

HPS412H1 - History of the Biological Sciences

Hours: 24S

Advanced level survey of biological science from ancient Greece to the 20th century emphasizing primary sources analyses. Not eligible for CR/NCR option.

Prerequisite: Permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HPS450H1 - Revolutions in Science

Previous Course Number: HPS350H1

Hours: 24S

A detailed investigation into a highly celebrated and important philosophical idea concerning the development of scientific knowledge: the notion of scientific revolutions. We will consider the process of theory change, whether theory choice is rational, and whether theoretical terms, such as light and space preserve their meanings across revolutions. In addition to classic work by Kuhn, we shall consider approaches that were inspired by Kuhn's work. In particular, we will consider the approaches of sociologists of scientific knowledge. The course is taught as a seminar in which the students play an active role in presenting and discussing the readings.

Prerequisite: HPS250H1 or by permission of the instructor

Exclusion: HPS350H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HPS430H1 - History of Technology I

Hours: 24S

An advanced survey of the history of technology from Antiquity to the Industrial Revolution. Not eligible for CR/NCR option.

Prerequisite: Permission of instructor

Recommended Preparation: HPS201H1/ HPS202H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HPS481H1 - Special Research Opportunity in History of Medicine

Hours: 24L/6T

This course offers advanced undergraduate students the opportunity to undertake original research into the history of medicine, under the guidance of a faculty mentor.

Prerequisite: Permission of instructor

Recommended Preparation: Preparation with instructor

Distribution Requirements: Humanities

HPS431H1 - History of Technology II

Hours: 24S

An advanced survey of the history of technology from the Industrial Revolution to modern times. Not eligible for CR/NCR option.

Prerequisite: Permission of instructor

Recommended Preparation: HPS201H1/ HPS202H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HPS482H1 - Special Research Opportunity in History of Science

Hours: 24L/6T

This course offers advanced undergraduate students the opportunity to undertake original research into the history of the natural or physical sciences, under the guidance of a faculty mentor.

Prerequisite: Permission of instructor

Recommended Preparation: Preparation with instructor

Distribution Requirements: Humanities

HPS440H1 - Topics in History of Medicine

Previous Course Number: HPS303H1

Hours: 24S

This course offers a focused discussion of several aspects of the history of medicine. Various themes are examined in depth year to year so as to familiarize students with different topics and methodological approaches.

Prerequisite: HPS318H1 and/or HPS319H1, or at least 1.0 FCE of HPS courses at the 200-level or higher, with a focus on the history of science

Exclusion: HPS303H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HPS483H1 - Special Research Opportunity in History of Technology

Hours: 24L/6T

This course offers advanced undergraduate students the opportunity to undertake original research into the history of the natural or physical sciences, under the guidance of a faculty mentor.

Prerequisite: Permission of instructor

Recommended Preparation: Preparation with instructor

Distribution Requirements: Humanities; Science

HPS496H1 - Individual Studies

Hours: TBA

A reading and research project in some aspect of the social, cultural or intellectual history of science and technology, supervised by a faculty member.

Prerequisite: Two HPS courses

Distribution Requirements: Humanities; Science

HPS497H1 - Individual Studies

Hours: TBA

A reading and research project in some aspect of the social, cultural or intellectual history of science and technology, supervised by a faculty member.

Prerequisite: Two HPS courses

Distribution Requirements: Humanities

HPS498H1 - Individual Studies in HPS

A reading and research project in some aspect of the development of scientific theory or practice, supervised by a faculty member.

Prerequisite: Two HPS courses

Distribution Requirements: Humanities

HPS499Y1 - Individual Studies

Hours: TBA

A reading and research project in some aspect of the development of scientific theory or practice, supervised by a faculty member.

Prerequisite: Two HPS courses

Distribution Requirements: Humanities

HPS484H1 - Special Research Opportunity in Philosophy of Science I

Hours: 24L/6T

This course offers advanced undergraduate students the opportunity to undertake original research into the philosophy of the natural or physical sciences, under the guidance of a faculty mentor.

Prerequisite: Permission of instructor

Recommended Preparation: Preparation with instructor

Distribution Requirements: Humanities; Science

HPS485H1 - Special Research Opportunity in Philosophy of Science 2

Hours: 24L/6T

This course offers advanced undergraduate students the opportunity to undertake original research into the philosophy of the natural or physical sciences, under the guidance of a faculty mentor.

Prerequisite: Permission of instructor

Recommended Preparation: Preparation with instructor

Distribution Requirements: Humanities

HPS495Y1 - Individual Studies

Hours: TBA

A reading and research project in some aspect of history of science and technology, supervised by a faculty member.

Prerequisite: Two HPS courses

Distribution Requirements: Humanities; Science

Breadth Requirements: Thought, Belief and Behaviour (2)

Human Biology

Faculty List

Associate Professor, Director

A. Bruce, Ph D

Associate Professor, Teaching Stream and Associate Director

R. Wilson, M Sc, Ph D

Associate Professors, Teaching Stream

A. Dias, M Sc, Ph D

W. Ju, M Sc, Ph D

M. Papaconstantinou, Ph D

F. Taverna, Ph D

Assistant Professor, Teaching Stream

C. Dockstader, Ph D

Introduction

The Human Biology Program is an undergraduate collaborative program between the Faculty of Arts and Science and the Faculty of Medicine. Our programs examine the biology of our species through interdisciplinary lenses by integrating topics from the biological and medical sciences, social sciences, and the humanities. The overall structure of the collaborative program is designed to expose students to the transdisciplinary field of human biology with opportunities to specialize in selected areas of inquiry in the field.

A central objective to the Human Biology Program (HMB) is to facilitate the development of core competencies in our students: critical and creative thinking, self-directed learning, quantitative and analytical reasoning, and effective communication and research. HMB aims to prepare students for future careers where an interdisciplinary education in biological and health sciences would be an asset. HMB offers diverse experiential learning opportunities for students which includes a faculty that is at the cutting-edge of teaching innovation, strong academic relationships with other department and faculties at the University, service learning with organizations in Toronto, and undergraduate research in laboratories on campus and affiliated hospital research institutes.

After first year life science courses, undergraduate students may enter the Human Biology program in their selected HMB program: Fundamental Genetics and its Applications, Global Health, Health and Disease, Human Biology, and Neuroscience. HMB students start by taking foundational courses to provide background on their subject area and introduce students to topics integral to the study of human biology. Students then progress to more specialised topics and have more detailed instruction but are also encouraged to participate in self-directed and group learning. In their final year, HMB students are further engaged to practice critical analysis by taking one of our specialized seminar courses in their program, which focuses on expanding the depth of knowledge the student has acquired while studying human biology at the University of Toronto.

Contact Information:

Human Biology Program Office
Wetmore Hall, Room 105
300 Huron Street

hmb.undergrad@utoronto.ca
416-946-7609
<http://hmb.utoronto.ca>

Regarding Human Biology Programs

The Human Biology Program offers five areas of study, all of which offer a major program, and four of which offer a specialist program.

Students are allowed to switch between Human Biology major programs, but should first obtain written permission from the Program Office to determine which of their completed courses will transfer to their new Human Biology major program. Students seeking advice on which HMB major to choose or advise for program completion pathways should view the [HMB Program Pathway Tools webpage](#).

Students are not permitted to be enrolled in more than one Human Biology major program.

Human Biology Programs

Fundamental Genetics and its Applications Specialist (Science Program) - ASSPE1050

Enrolment Requirements:

This specialist is a Type 3 limited enrolment program. Admissions will be based on the following criteria, however achieving the minimum grades listed does not guarantee admission to the Fundamental Genetics and its Applications specialist program in any given year.

Applying with less than 8 FCEs:

- Completion of [BIO130H1](#) with a minimum grade of 65
- Completion of [CHM135H1](#) and completion of [CHM136H1](#) with a minimum grade of 55 (or [CHM151Y1](#) with a minimum grade of 55). *Transfer credits will be accepted in lieu of the chemistry requirements only if they carry a direct exclusion or equivalency to a pre-approved chemistry course. Please carefully check your Transfer Credit Assessments.*
- Completion of 4.0 FCE

Applying with 8 or more FCEs completed:

- Completion of [BIO220H1](#) with a minimum grade of 65
- Completion of [BIO230H1/ BIO255H1](#) with a minimum grade of 65
- Completion of [HMB265H1/ BIO260H1](#)
- Completion of [BCH210H1](#)

Students may apply for this specialist program during Round 1 and Round 2 of Type 3 Enrolment after they have earned 4.0 FCE. Students applying for admissions to the program utilizing transfer credits will be considered on a case-by-case basis. Students entering from CEGEP or from another university should contact

hmb.undergrad@utoronto.ca after their transfer credit assessment has been complete for program enrolment assessment. For more information about Type 3 enrolment, visit the [Faculty of Arts & Science Subject Program Enrolment Instructions website](#).

Completion Requirements:

Required Courses (12.0 FCE, including at least 1.0 FCE at the 400 level)

Chemical and Physical Foundations of Biological Systems

1. (CHM135H1, CHM136H1)/(CHM138H, CHM139H)/CHM151Y1
Transfer credits will be accepted in lieu of the chemistry requirements only if they carry a direct exclusion or equivalency to a pre-approved chemistry course

2. MAT135H1/ PHY131H1/ PHY151H1/ CSC120H1/ CSC148H1
3. BCH210H1

Biological Foundations of Living Systems

4. BIO120H1, BIO130H1
5. BIO220H1
6. BIO230H1/ BIO255H1

Courses in Fundamental Genetics

7. HMB265H1/ BIO260H1
8. HMB321H1

9. 1.5 FCE from: HMB360H1/ HMB421H1/ HMB435H1/ HMB437H1/ HMB474H1/ BCH311H1/ BCH350H1/ BCH425H1/ BCH426H1/ BCH440H1/ BCH445H1/ BCH448H1/ CSB328H1/ CSB331H1/ CSB340H1/ CSB349H1/ CSB351Y1/ CSB353H1/ CSB428H1/ CSB429H1/ EEB318H1/ EEB323H1/ EEB365H1/ EHJ352H1/ MGY314H1/ MGY315H1/ MGY340H1/ MGY428H1/ MGY470H1/ PSL350H1

Courses in Applied Genetics

10. HMB201H1
11. HMB301H1/ BCH311H1/ ECO369H1/ PSL350H1

12. 1.5 FCE from: HMB301H1/ HMB401H1/ HMB431H1/ HMB436H1/ HMB441H1/ HMB489H1/ BCH311H1/ BCH340H1/ BCH441H1/ BCH447H1/ CSB352H1/ CSB458H1/ CSB459H1/ CSB472H1/ CSB473H1/ CSB474H1/ EEB325H1/ EEB459H1/ EEB460H1/ NFS487H1/ PHL384H1/ PSL350H1/ PSL404H1/ PSY390H1

Data Analysis and Research-Based Courses

13. 0.5 FCE in statistics: HMB325H1/ EEB225H1/ STA220H1/ STA288H1
14. 0.5 FCE from bioethics: HMB306H1/ HMB406H1/ PHL281H1
15. 0.5 FCE from upper-year lab course: HMB311H1/ HMB314H1/ MGY314H1/ MGY315H1
16. 0.5 FCE from research based courses: HMB342H1/ HMB360H1/ HST373H1/ MGY377H1/ MGY378H1
17. 1.0 FCE from research project course: HMB496Y1*/ HMB499Y1*

* A research project from a different unit may be accepted with prior written approval from Human Biology if the course is not counting toward a different program.

Fundamental Genetics and its Applications Specialists Notes:

- 1. Courses can only count toward one requirement, even if listed as options to multiple requisites of the program .
- 2. Not all courses listed have priority enrolment for Fundamental Genetics and its Applications specialists. Students are responsible for checking priority of courses and meeting course prerequisites for courses they wish to take.

Global Health Specialist (Science Program) - ASSPE2575

Description:

HMB: Global Health

The objective of the HMB: Global Health program is to provide students with instruction in fundamental biological sciences and to integrate a broad understanding of the socio-economic and cultural determinants of health to populations around the world.

Enrolment Requirements:

This specialist is a Type 3 limited enrolment program. Admissions will be based on the following criteria, however achieving the minimum marks listed does not guarantee admission to the Fundamental Genetics and its Applications specialist program in any given year.

Applying with less than 8 FCEs:

- Completion of BIO130H1 with a minimum grade of 65
- Completion of CHM135H1 and completion of CHM136H1 with a minimum grade of 55 (or CHM151Y1 with a minimum grade of 55).
 - Transfer credits will be accepted in lieu of the chemistry requirements only if they carry a direct exclusion or equivalency to a pre-approved chemistry course. Please carefully check your Transfer Credit Assessments.
- Completion of 4.0 FCE

Applying with 8 or more FCEs completed:

- Completion of BIO230H1/ BIO255H1 with a minimum grade of 65
- Completion of BIO220H1
- Completion of HMB265H1/ BIO260H1
- Completion of BCH210H1

Students may apply for this specialist program during Round 1 and Round 2 of Type 3 Enrolment after they have earned 4.0 FCE. Students applying for admissions to the program utilizing transfer credits will be considered on a case-by-case basis. Students entering from CEGEP or from another university should contact hmb.undergrad@utoronto.ca after their transfer credit assessment has been complete for program enrolment assessment. For more information about Type 3 enrolment, visit the [Faculty of Arts & Science Subject Program Enrolment Instructions website](#).

Completion Requirements:

Required Courses (13.5 FCE, including at least 1.0 FCE at the 400-level)

Chemical and Physical Foundations of Biological Systems

1. (CHM135H1, CHM136H1)/ (CHM138H, CHM139H)/ CHM151Y1
Transfer credits will be accepted in lieu of the chemistry requirements only if they carry a direct exclusion or equivalency to a pre-approved chemistry course.
2. MAT135H1/ PHY131H1/ PHY151H1
3. BCH210H1

Biological Foundations of Living Systems

4. BIO120H1, BIO130H1
5. BIO220H1
6. BIO230H1/ BIO255H1
7. HMB265H1/ BIO260H1
8. PSL300H1, PSL301H1
9. 1.0 FCE from HMB302H1/ ANA300Y1/ ANA301H1/ BCH311H1/ CSB351Y1/ IMM340H1/ IMM350H1/ MGY377H1/ MGY378H1/ PSL350H1

Global Health Concentration Courses

10. HMB203H1
11. HMB323H1
12. 0.5 FCE from: PHS100H1/ GGR112H1/ PSY100H1/ INS201Y1/ ANT100Y1/ SOC101Y1/ ECO100Y/ ECO101H1/ SOC102H/ SOC100H1 *Transfer credits from AP and IB psychology are not accepted.*

13. 0.5 FCE from Epidemiology Courses: HMB342H1/ HST373H1

14. 2.0 FCE from courses on the biological dimensions of Global Health: HAJ453H1/ HMB323H1/ HMB433H1/ HMB436H1/ HMB437H1/ HMB440H1/ HMB443H1/ HMB462H1/ HMB473H1/ HMB474H1/ HMB496Y1*/ HMB499Y1*/ JEH455H1/ CSB351Y1/ EEB325H1/ EJJ352H1/ MGY350H1/ MGY377H1/ MGY378H1/ MIJ485H1

15. 1.0 FCE from courses on the social and ecological dimensions of Global Health: HMB303H1/ HMB306H1/ ANT345H1/ ANT348H1/ ANT358H1/ ANT458H1/ ANT460H1/ ECO314H1/ ECO324H1/ ECO333H1/ ECO334H1/ ECO342H1/ ECO369H1/ ECO402H1/ EEB428H1/ ENV341H1/ ENV430H1/ ENV432H1/ GGR433H1/ GGR434H1/ HST410H1/ HST440H1/ HST464H1/ INS240Y1/ INS250H1/ INS350H1/ INS355H1/ JNH350H1/ NEW352H1/ NEW353H1/ NEW453H1/ NFS490H1/ PHS300H1/ PSY320H1/ PSY321H1

Data Analysis and Research-Based Courses

16. 0.5 FCE in statistics: HMB325H1/ STA220H1/ STA288H1/ PSY201H1/ HMB325H1
17. 0.5 FCE in bioethics: HMB306H1/ HMB406H1/ PHL281H1
18. 1.0 FCE from: HMB496Y1*/ HMB499Y1*

* A research project from a different unit may be accepted with prior written approval from Human Biology if the course is not counting toward a different program.

Global Health Specialists Notes:

1. Courses can only count toward one requirement, even if listed as options to multiple requisites of the program
2. Not all courses listed have priority enrolment for Global Health specialists. Students are responsible for checking

priority of courses and meeting course prerequisites for courses they wish to take.

Health & Disease Specialist (Science Program) - ASSPE2013

Description:

HMB: Health & Disease

The objective of the HMB: Health & Disease program is to provide students with a solid foundation in the biological sciences as it relates to basic human physiology and the mechanisms of disease and to facilitate the integration of concepts from across the life sciences, social sciences and humanities. In addition, students will acquire skills in laboratory science, experience with quantitative approaches, and develop effective communication skills to provide an appropriate background essential to research and problem solving in this field.

Enrolment Requirements:

This specialist is a Type 3 limited enrolment program. Admissions will be based on the following criteria, however achieving the minimum marks listed does not guarantee admission to the Health & Disease specialist in any given year.

Applying with less than 8 FCEs:

- Completion of BIO130H1 with a minimum grade of 65
- Completion of CHM135H1 and CHM136H1 OR completion of CHM151Y1
 - Transfer credits will be accepted in lieu of the chemistry requirements only if they carry a direct exclusion or equivalency to a pre-approved chemistry course. Please carefully check your Transfer Credit Assessments.
- Completion of 4.0 FCE

Applying with 8 or more FCEs completed:

- Completion of BIO230H1/ BIO255H1 with a minimum grade of 65
- Completion of BIO220H1
- Completion of HMB265H1/ BIO260H1
- Completion of BCH210H1

Students may apply for this specialist program during Round 1 and Round 2 of Type 3 Enrolment after they have earned 4.0 FCE. Students applying for admissions to the program utilizing transfer credits will be considered on a case-by-case basis. Students entering from CEGEP or from another university should contact hmb.undergrad@utoronto.ca after their transfer credit assessment has been complete for program enrolment assessment. For more information about Type 3 enrolment, visit the [Faculty of Arts & Science Subject Program Enrolment Instructions website](#).

Completion Requirements:

Required Courses (13.0 FCE, including at least 1.0 FCE at the 400-level)

Chemical and Physical Foundations of Biological Systems

1. (CHM135H1, CHM136H1) / (CHM138H1, CHM139H1) / CHM151Y1 *Transfer credits will be accepted in lieu of the chemistry requirements only if they carry a direct exclusion or equivalency to a pre-approved chemistry course*
2. MAT135H1/ PHY131H1/ PHY151H1
3. BCH210H1

Biological Foundations of Living Systems

4. BIO120H1, BIO130H1
5. BIO220H1
6. BIO230H1/ BIO255H1
7. HMB265H1/ BIO260H1
8. PSL300H1, PSL301H1
9. 1.0 FCE from depth courses on the molecular biology of cells and tissues: CSB327H1/ CSB328H1/ CSB331H1, (BCH311H1/ CSB349H1/ PSL350H1)

Health & Disease Concentration Courses

10. HMB202H1
11. HMB302H1
12. HMB322H1
13. 2.0 FCE from: HAJ453H1/ HMB401H1/ HMB402H1/ HMB422H1/ HMB432H1/ HMB434H1/ HMB436H1/ HMB437H1/ HMB440H1/ HMB441H1/ HMB443H1/ HMB452H1/ HMB462H1/ HMB470H1/ HMB471H1/ HMB472H1/ HMB473H1/ HMB474H1/ JEH455H1/ ANA300Y1/ ANA301H1/ CSB345H1/ CSB351Y1/ EEB325H1/ IMM340H1/ IMM350H1/ LMP301H1/ LMP365H1/ LMP403H1/ LMP406H1/ MGY377H1/ MGY378H1/ NFS485H1/ NFS486H1/ PCL362H1/ PSL404H1/ PSL421H1/ PSL425H1

Data Analysis and Research-Based Courses

14. 0.5 FCE in statistics: HMB325H1/ STA220H1/ STA288H1/ PSY201H1
15. 0.5 FCE in bioethics: HMB306H1/ HMB406H1/ PHL281H1
16. 0.5 FCE from upper-year lab course: HMB312H1/ HMB314H1/ CSB330H1/ PSL372H1/ BCH370H1
17. 0.5 FCE from research based courses: HMB323H1/ HMB342H1/ HST373H1
18. 1.0 FCE from HMB496Y1*/ HMB499Y1*

* A research project from a different unit may be accepted with prior written approval from Human Biology if the course is not counting toward a different program.

Health & Disease Specialists Notes:

1. Courses can only count toward one requirement, even if listed as options to multiple requisites of the program
2. Not all courses listed have priority enrolment for Health & Disease specialists. Students are responsible for checking priority of courses and meeting course prerequisites for courses they wish to take.

Neuroscience Specialist (Science Program) - ASSPE1472

Description:

HMB: Neuroscience

Neuroscience is an interdisciplinary field aimed at understanding the brain and nervous system utilizing integration of research at the molecular, cellular, and organismal levels, and through all stages of human development. The application of neuroscience has important implications for understanding human behaviour and for promoting

the development of effective strategies for diagnosing and treating nervous system disorders. The objective of the HMB: Neuroscience specialist and major programs is to provide students with a solid foundation and facilitates the integration of concepts from multiple fields to their understanding of neuroscience.

Enrolment Requirements:

This specialist is a Type 3 limited enrolment program. Admissions will be based on the following criteria, however achieving the minimum marks listed does not guarantee admission to the neuroscience specialist in any given year.

Applying with less than 8 FCEs:

- Completion of BIO130H1 with a minimum grade of 70
- Completion of CHM135H1 and completion of CHM136H1 with a minimum grade of 55 (or CHM151Y1 with a minimum grade of 55)
 - Transfer credits will be accepted in lieu of the chemistry requirements only if they carry a direct exclusion or equivalency to a pre-approved chemistry course. Please carefully check your Transfer Credit Assessments
- Completion of 4.0 FCE

Applying with 8 or more FCEs completed:

- Completion of BIO230H1/ BIO255H1 with a minimum grade of 70
- Completion of HMB265H1/ BIO260H1
- Completion of BCH210H1
- Completion of PSL300H1

Students may apply for this specialist program during Round 1 and Round 2 of Type 3 Enrolment after they have earned 4.0 FCE. Students applying for admissions to the program utilizing transfer credits will be considered on a case-by-case basis. Students entering from CEGEP or from another university should contact hmb.undergrad@utoronto.ca after their transfer credit assessment has been complete for program enrolment assessment. For more information about Type 3 enrolment, visit the [Faculty of Arts & Science Subject Program Enrolment Instructions website](#).

Completion Requirements:

Required Courses (12.0 FCE, including at least 1.0 FCE at the 400-level)

Chemical and Physical Foundations of Biological Systems

1. (CHM135H1, CHM136H1) / (CHM138H1, CHM139H1) / CHM151Y1 *Transfer credits will be accepted in lieu of the chemistry requirements only if they carry a direct exclusion or equivalency to a pre-approved chemistry course.*
2. MAT135H1/ PHY131H1/ PHY151H1/ CSC120H1/ CSC148H1
3. BCH210H1

Biological Foundations of Living Systems

4. BIO120H1, BIO130H1
5. BIO230H1/ BIO255H1
6. HMB265H1/ BIO260H1
7. PSL300H1

Neuroscience Concentration Courses

8. PSY100H1 Transfer credits from AP and IB Psychology are not accepted
9. HMB200H1
10. HMB300H1
11. CJH332H1
12. HMB320H1
13. JHA410H1/ ANA300Y1

14. 2.0 FCE from HMB360H1/ HMB420H1/ HMB430H1/ HMB440H1/ HMB450H1/ HMB471H1/ HMB473H1/ CSB345H1/ CSB346H1/ CSB430H1/ CSB432H1/ CSB445H1/ CSC321H1/ LMP410H1/ NEW335H1/ NFS489H1/ PCL475H1/ PSL374H1/ PSL432H1/ PSL440Y1/ PSL445H1/ PSL446H1/ PSL450H1/ PSL452H1/ PSL472H1/ PSY342H1/ PSY371H1/ PSY372H1/ PSY390H1/ PSY395H1/ PSY460H1/ PSY470H1/ PSY471H1/ PSY473H1/ PSY475Y1/ PSY480H1/ PSY490H1/ PSY492H1/ PSY493H1/ PSY492H1/ PSY493H1/ PSY494H1/ PSY496H1

Data Analysis and Research-Based Courses

15. 0.5 FCE in statistics: STA220H1/ STA288H1/ PSY201H1
16. 0.5 FCE from bioethics: HMB306H1/ HMB406H1/ PHL281H1
17. 0.5 FCE from upper-year lab course: HMB310H1/ HMB314H1/ PSY369H1
18. 1.0 FCE from research project course: HMB496Y1*/ HMB499Y1*

* A research project from a different unit may be accepted with prior written approval from Human Biology if the course is not counting toward a different program.

Neuroscience Specialists Notes:

1. Courses can only count toward one requirement, even if listed as options to multiple requisites of the program.
2. Not all courses listed have priority enrolment for Neuroscience specialists. Students are responsible for checking priority of courses and meeting course prerequisites for courses they wish to take.

Fundamental Genetics and its Applications Major (Science Program) - ASMAJ1050

Enrolment Requirements:

This is a Type 1 open enrolment program. Students are permitted to enrol in the major during the program enrolment cycle as soon as they have earned 4.0 FCE. It is recommended students complete their first year life science requirements before entering the program.

Completion Requirements:**Required Courses (8.0 FCE, including at least 0.5 FCE at the 400-level)**

2. MAT135H1/ PHY131H1/ PHY151H1/ CSC120H1/ CSC148H1
3. BCH210H1

Biological Foundations of Living Systems

4. BIO120H1, BIO130H1
5. BIO220H1
6. BIO230H1/ BIO255H1

Courses in Fundamental Genetics

7. HMB265H1/ BIO260H1
8. HMB321H1

9. 0.5 FCE from: HMB360H1/ HMB421H1/ HMB435H1/ HMB437H1/ HMB474H1/ BCH311H1/ BCH425H1/ BCH426H1/ BCH440H1/ BCH445H1/ BCH448H1/ CSB328H1/ CSB331H1/ CSB340H1/ CSB349H1/ CSB351Y1/ CSB353H1/ CSB428H1/ CSB429H1/ EEB318H1/ EEB323H1/ EEB365H1/ EHJ352H1/ MGY314H1/ MGY315H1/ MGY340H1/ MGY428H1/ MGY470H1/ PSL350H1

Courses in Applied Genetics

10. HMB201H1
11. HMB301H1/ BCH311H1/ ECO369H1/ PSL350H1

12. 0.5 FCE from: HMB301H1/ HMB401H1/ HMB431H1/ HMB436H1/ HMB441H1/ HMB489H1/ BCH311H1/ BCH340H1/ BCH350H1/ BCH441H1/ BCH447H1/ CSB352H1/ CSB458H1/ CSB459H1/ CSB472H1/ CSB473H1/ CSB474H1/ EEB325H1/ EEB459H1/ EEB460H1/ NFS487H1/ PHL384H1/ PSL350H1/ PSL404H1/ PSY390H1

Data Analysis and Research-Based Courses

13. 0.5 FCE in statistics: HMB325H1/ EEB225H1/ STA220H1/ STA288H1

14. 0.5 FCE from a research-based or lab course: HMB311H1/ HMB314H1/ MGY315H1/ HMB342H1/ HMB360H1/ HMB496Y1*/ HMB499Y1*/ HST373H1/ MGY314H1/ MGY377H1/ MGY378H1

* A research project from a different unit may be accepted with prior written approval from Human Biology if the course is not counting toward a different program.

Fundamental Genetics and its Applications Major Notes:

1. Courses can only count toward one requirement, even if listed as options to multiple requisites of the program.
2. Not all courses listed have priority enrolment for Fundamental Genetics and its Applications majors. Students are responsible for checking priority of courses and meeting course prerequisites for courses they wish to take.
3. The Fundamental Genetics and its Applications major cannot be paired with any other Human Biology Program managed major program.

Chemical and Physical Foundations of Biological Systems

1. (CHM135H1, CHM136H1) / (CHM138H, CHM139H) / CHM151Y1
Transfer credits will be accepted in lieu of the chemistry requirements only if they carry a direct exclusion or equivalency to a pre-approved chemistry course

Global Health Major (Science Program) - ASMAJ2575

Description:

HMB: Global Health

The objective of the HMB: Global Health program is to provide students with instruction in fundamental biological sciences and to integrate a broad understanding of the socio-economic and cultural determinants of health to populations around the world.

Enrolment Requirements:

This is a Type 1 open enrolment program. Students are permitted to enrol in the major during the program enrolment cycle as soon as they have earned 4.0 FCE. It is recommended students complete their first year life science requirements before entering the major program.

Completion Requirements:

Required Courses (8.0 FCE, including at least 0.5 FCE at the 400-level)

Chemical and Physical Foundations of Biological Systems

1. (CHM135H1, CHM136H1)/ (CHM138H, CHM139H)/ CHM151Y1 *Transfer credits will be accepted in lieu of the chemistry requirements only if they carry a direct exclusion or equivalency to a pre-approved chemistry course.*
2. MAT135H1/ PHY131H1/ PHY151H1

Biological Foundations of Living Systems

3. BIO120H1, BIO130H1
4. BIO230H1/ BIO255H1
5. HMB265H1/ BIO260H1
6. PSL300H1, PSL301H1
7. 1.0 FCE from: HMB302H1/ ANA300Y1/ ANA301H1/ BCH311H1/ CSB351Y1/ IMM340H1/ IMM350H1/ MGY377H1/ MGY378H1/ PSL350H1

Global Health Concentration Courses

8. 0.5 FCE from: PHS100H1/ PSY100H1/ INS201Y1/ ANT100Y1/ SOC101Y/ SOC100H1/ ECO100Y/ ECO101H1
Transfer credits from AP and IB psychology are not accepted.
9. HMB203H1

10. 0.5 FCE from courses on the biological dimensions of Global Health: HAJ453H1/ HMB323H1/ HMB342H1/ HMB433H1/ HMB436H1/ HMB437H1/ HMB440H1/ HMB443H1/ HMB462H1/ HMB473H1/ HMB474H1/ HMB496Y1*/ HMB499Y1*/ CSB351Y1/ EEB325H1/ EHJ352H1/ HST373H1/ MGY350H1/ MGY377H1/ MGY378H1/ MIJ485H1

11. 0.5 FCE from courses on the social and ecological dimensions of Global Health: HMB303H1/ HMB306H1/ HMB406H1/ ANT345H1/ ANT348H1/ ANT358H1/ ANT458H1/ ANT460H1/ BIO220H1/ EEB428H1/ ENV341H1/ ENV430H1/ ENV432H1/ GGR433H1/ GGR434H1/ JEH455H1/ ECO314H1/ HST410H1/ HST440H1/ HST464H1/ INS240Y1/ INS250H1/ INS350H1/ INS355H1/ JNH350H1/ NEW352H1/ NEW353H1/ NEW453H1/ NFS490H1/

PHS300H1/ PSY320H1/ PSY321H1/ ECO324H1/ ECO333H1/ ECO334H1/ ECO342H1/ ECO369H1/ ECO402H1

Data Analysis Courses

12. 0.5 FCE in statistics: HMB325H1/ STA220H1/ STA288H1/ PSY201H1

* A research project from a different unit may be accepted with prior written approval from Human Biology if the course is not counting toward a different program.

Global Health Major Notes:

1. Courses can only count toward one requirement, even if listed as options to multiple requisites of the program
2. Not all courses listed have priority enrolment for Global Health majors. Students are responsible for checking priority of courses and meeting course prerequisites for courses they wish to take.
3. The Global Health major cannot be paired with any other Human Biology Program managed major program.

Health & Disease Major (Science Program) - ASMAJ2013

Description:

HMB: Health & Disease

The objective of the HMB: Health & Disease program is to provide students with a solid foundation in the biological sciences as it relates to basic human physiology and the mechanisms of disease and to facilitate the integration of concepts from across the life sciences, social sciences and humanities. In addition, students will acquire skills in laboratory science, experience with quantitative approaches, and develop effective communication skills to provide an appropriate background essential to research and problem solving in this field.

Enrolment Requirements:

This major is a Type 1 open enrolment program. Students are permitted to enrol in the major during the program the enrolment cycle as soon as they have earned 4.0 FCE. It is recommended students complete the program's required 100-level courses before entering the major program.

Completion Requirements:

Required Courses (8.0 FCE, including at least 0.5 FCE at the 400-level)

Chemical and Physical Foundations of Biological Systems

1. (CHM135H1, CHM136H1)/(CHM138H, CHM139H)/ CHM151Y1 *Transfer credits will be accepted in lieu of the chemistry requirements only if they carry a direct exclusion or equivalency to a pre-approved chemistry course*
2. MAT135H1/ PHY131H1/ PHY151H1
3. BCH210H1

Biological Foundations of Living Systems

4. BIO120H1, BIO130H1
5. BIO220H1, BIO230H1/ BIO255H1

6. HMB265H1/ BIO260H1
 7. PSL300H1, PSL301H1

Health & Disease Concentration Courses

8. HMB202H1
 9. HMB302H1/ HMB322H1

10. 0.5 FCE from: HAJ453H1/ HMB401H1/ HMB402H1/ HMB422H1/ HMB432H1/ HMB434H1/ HMB436H1/ HMB437H1/ HMB440H1/ HMB441H1/ HMB443H1/ HMB452H1/ HMB462H1/ HMB470H1/ HMB471H1/ HMB472H1/ HMB473H1/ HMB474H1/ EHJ352H1/ JEH455H1/ ANA300Y1/ ANA301H1/ BCH311H1/ CSB345H1/ EEB325H1/ LMP301H1/ LMP363H1/ LMP403H1/ LMP406H1/ NFS485H1/ NFS486H1/ PCL362H1/ PSL350H1/ PSL404H1/ PSL421H1/ PSL425H1

Data Analysis and Courses in Advanced Research, Laboratory, or Cellular Molecular Topics

11. 0.5 FCE in statistics: HMB325H1/ STA220H1/ STA288H1/ PSY201H1

12. 0.5 FCE from an upper-year lab or research-based course: HMB312H1/ HMB314H1/ HMB323H1/ HMB342H1/ HST373H1/ HMB496Y1*/ HMB499Y1*/ BCH311H1/ PSL350H1

* A research project from a different unit may be accepted with prior written approval from Human Biology if the course is not counting toward a different program.

Health & Disease Major Notes:

1. Courses can only count toward one requirement, even if listed as options to multiple requisites of the program
2. Not all courses listed have priority enrolment for Health & Disease majors. Students are responsible for checking priority of courses and meeting course prerequisites for courses they wish to take.
3. The Health & Disease major cannot be paired with any other Human Biology Program managed major program.

Human Biology Major (Science Program) - ASMAJ2035

Description:

HMB: Human Biology

Human Biology is a transdisciplinary field concerned with the study of human health from a biological, sociological, and evolutionary perspective. Research in human biology focuses on impact that genetic variations, development, physical fitness, and nutrition have on the general health of populations and how this compares across cultures and through history. The objective of the HMB: Human Biology major program is to provide students with a solid foundation in the life sciences as it relates to human biology and to facilitate the integration of concepts from across the social sciences and humanities, and to equip them with quantitative skills essential to research and success in this field.

Enrolment Requirements:

This is a Type 1 open enrolment program. Students are permitted to enrol in the major during the program enrolment cycle when they have earned 4.0 FCE. It is recommended that students complete the

program's required 100-level courses before entering the major program.

Completion Requirements:

Required Courses (8.0 FCE, including at least 0.5 FCE at the 400-level)

Chemical and Physical Foundations of Biological Systems

1. (CHM135H1, CHM136H1)/(CHM138H, CHM139H)/ CHM151Y1 Transfer credits will be accepted in lieu of the chemistry requirements only if they carry a direct exclusion or equivalency to a pre-approved chemistry course
2. MAT135H1/ PHY131H1/ PHY151H1
3. BCH210H1

Biological Foundations of Living Systems

4. BIO120H1, BIO130H1
5. HMB204H1
6. BIO230H1/ BIO255H1, BIO220H1
7. HMB265H1/ BIO260H1
8. PSL300H1, PSL301H1

9. 1.0 FCE from: HMB302H1/ ANA300Y1/ ANA301H1/ BCH311H1/ CSB351Y1/ IMM340H1/ IMM350H1/ MGY377H1/ MGY378H1/ PSL350H1

10. 1.0 FCE from: HMB302H1/ HMB303H1/ HMB310H1/ HMB311H1/ HMB312H1/ HMB314H1/ HMB322H1/ HMB323H1/ HMB342H1/ HMB360H1/ EHJ352H1/ HMB402H1/ HMB406H1/ HMB422H1/ HMB432H1/ HMB434H1/ HMB436H1/ HMB437H1/ HMB440H1/ HMB441H1/ HMB443H1/ HMB452H1/ HMB462H1/ HMB470H1/ HMB471H1/ HMB473H1/ HMB474H1/ HMB496Y1*/ HMB499Y1*/ JEH455H1/ ANA301H1/ BIO270H1/ BIO271H1/ BCH311H1/ BCH340H1/ BCH422H1/ BCH426H1/ BCH440H1/ BCH441H1/ BCH445H1/ BCH447H1/ CSB325H1/ CSB345H1/ CSB346H1/ CSB351Y1/ CSB443H1/ EEB255H1/ EEB318H1/ EEB319H1/ EEB323H1/ EEB324H1/ EEB325H1/ EEB365H1/ EEB375H1/ EHJ352H1/ EEB428H1/ EEB445H1/ EEB465H1/ IMM340H1/ IMM350H1/ IMM430H1/ LMP363H1/ LMP402H1/ LMP403H1/ LMP406H1/ MIJ485H1/ MGY377H1/ MGY378H1/ MGY470H1/ NFS284H1/ NFS382H1/ NFS400H1/ NFS485H1/ NFS486H1/ NFS487H1/ NFS488H1/ NFS489H1/ NFS490H1/ PCL362H1/ PCL473H1/ PSL420H1/ PSL421H1/ PSY371H1/ PSY372H1/ PSY399H1/ PSY440H1/ PSY460H1/ PSY470H1/ PSY471H1/ PSY494H1

* A research project from a different unit may be accepted with prior written approval from Human Biology if the course is not counting toward a different program.

Human Biology Major Notes:

1. Courses can only count toward one requirement, even if listed as options to multiple requisites of the program.
2. Not all courses listed have priority enrolment for Human Biology majors. Students are responsible for checking priority of courses and meeting course prerequisites for courses they wish to take.
3. The Human Biology major cannot be paired with any other Human Biology Program managed major program.

Neuroscience Major (Science Program) - ASMAJ1472

Description:

HMB: Neuroscience

Neuroscience is an interdisciplinary field aimed at understanding the brain and nervous system utilizing integration of research at the molecular, cellular, and organismal levels, and through all stages of human development. The application of neuroscience has important implications for understanding human behaviour and for promoting the development of effective strategies for diagnosing and treating nervous system disorders. The objective of the HMB: Neuroscience specialist and major programs is to provide students with a solid foundation and facilitates the integration of concepts from multiple fields to their understanding of neuroscience.

Enrolment Requirements:

Neuroscience Major (Science Program) 8.0 FCE

Admissions will be based on the following criteria, however achieving the minimum grades listed does not guarantee admission to the neuroscience major in any given year.

Applying with less than 8 FCEs:

- Completion of BIO130H1 with a minimum grade of 55
- Completion of CHM135H1 and CHM136H1 or completion of CHM151Y1
 - *Transfer credits will be accepted in lieu of the chemistry requirements only if they carry a direct exclusion or equivalency to a pre-approved chemistry course. Please carefully check your Transfer Credit Assessments*
- Completion of 4.0 FCE

Applying with 8 or more FCEs completed:

- Completion of BIO230H1/ BIO255H1 with a minimum grade of 55
- Completion of HMB265H1/ BIO260H1
- Completion of BCH210H1
- Completion of PSL300H1

Students may apply for this major program during Round 1 and Round 2 of Type 2L Enrolment after they have earned 4.0 FCE. Students applying for admissions to the program utilizing transfer credits will be considered on a case-by-case basis. Students entering from CEGEP or from another university should contact hmb.undergrad@utoronto.ca after their transfer credit assessment has been complete for program enrolment assessment. For more information about Type 2L enrolment, visit the Faculty of Arts & Science Subject Program Enrolment Instructions website.

Completion Requirements:

Required Courses (8.0 FCE, including at least 0.5 FCE at the 400-level)

Chemical and Physical Foundations of Biological Systems

1. (CHM135H1, CHM136H1) / (CHM138H1, CHM139H1) / CHM151Y1
Transfer credits will be accepted in lieu of the chemistry requirements only if they carry a direct exclusion or equivalency to a pre-approved chemistry course.
2. MAT135H1/ PHY131H1/ PHY151H1/ CSC120H1/ CSC148H1
3. BCH210H1

Biological Foundations of Living Systems

4. BIO120H1, BIO130H1
5. BIO230H1/ BIO255H1
6. HMB265H1/ BIO260H1
7. PSL300H1

Neuroscience Concentration Courses

8. HMB200H1
9. HMB300H1
10. CJH332H1
11. 0.5 FCE from HMB320H1/ JHA410H1/ ANA300Y1

12. 0.5 FCE from HMB360H1/ HMB420H1/ HMB430H1/ HMB440H1/ HMB450H1/ HMB471H1/ HMB473H1/ HMB496Y1*/ HMB499Y1*/ JHA410H1/ CSB345H1/ CSB346H1/ CSB430H1/ CSB432H1/ CSB445H1/ CSC321H1/ LMP410H1/ NEW335H1/ NFS489H1/ PCL475H1/ PSL374H1/ PSL432H1/ PSL440Y1/ PSL445H1/ PSL446H1/ PSL450H1/ PSL452H1/ PSL472H1/ PSY342H1/ PSY371H1/ PSY372H1/ PSY390H1/ PSY395H1/ PSY460H1/ PSY470H1/ PSY471H1/ PSY473H1/ PSY475Y1/ PSY480H1/ PSY490H1/ PSY492H1/ PSY493H1/ PSY492H1/ PSY493H1/ PSY494H1/ PSY496H1

Data Analysis and Research-Based Courses

13. 0.5 FCE in statistics: STA220H1/ STA288H1/ PSY201H1
14. 0.5 FCE from a higher-year lab course: HMB310H1/ HMB314H1/ PSY369H1

* A research project from a different unit may be accepted with prior written approval from Human Biology if the course is not counting toward a different program.

Neuroscience Major Notes:

1. Courses can only count toward one requirement, even if listed as options to multiple requisites of the program.
2. Not all courses listed have priority enrolment for Neuroscience majors. Students are responsible for checking priority of courses and meeting course prerequisites for courses they wish to take.
3. The Neuroscience major cannot be paired with any other Human Biology Program managed major program.

Course Groups

Fundamental Genetics and its Applications Centric Courses

- HMB201H1 Introduction to Fundamental Genetics and its Applications
- HMB301H1 Biotechnology

- [HMB311H1 Laboratory in Fundamental Genetics and its Applications](#)
- [HMB321H1 Topics in Genetics](#)
- [EHJ352H1 Evolution of the Human Genome](#)
- [HMB360H1 Neurogenomics](#)
- [HMB401H1 Biomedical Advances & Technologies](#)
- [HMB431H1 Innovation in Applied Genetics](#)
- [HMB441H1 Genetics of Human Disease](#)

Global Health Centric Courses

- [HMB203H1 Introduction to Global Health](#)
- [HMB303H1 Global Health and Human Rights](#)
- [HMB323H1 Global Health Research](#)
- [HMB342H1 Epidemiology of Health & Disease](#)
- [JNH350H1 AIDS : Challenges and Successes](#)
- [HMB433H1 Topics in Global Health](#)
- [HMB434H1 Complementary & Integrative Medicine](#)
- [HMB443H1 Global Hidden Hunger](#)
- [HAJ453H1 AIDS: A Global Perspective](#)
- [JEH455H1 Current Issues in Environment and Health](#)
- [HMB462H1 Topics in Epidemiology](#)

Health & Disease Centric Courses

- [HMB202H1 Introduction to Health and Disease](#)
- [HMB302H1 Vertebrate Histology and Histopathology](#)
- [HMB312H1 Laboratory in Health and Disease](#)
- [HMB322H1 Topics in Health & Disease](#)
- [HMB342H1 Epidemiology of Health & Disease](#)
- [EHJ352H1 Evolution of the Human Genome](#)
- [HMB402H1 Topics in Translational Medicine](#)
- [HMB422H1 Seminar in Health & Disease](#)
- [HMB432H1 Topics in Histology & Histopathology](#)
- [HMB434H1 Complementary & Integrative Medicine](#)
- [HMB435H1 Selected Topics in Molecular Cell Biology](#)
- [HMB436H1 Medical and Veterinary Mycology](#)
- [HMB437H1 The Biology of the Human Metallome](#)
- [HMB452H1 Personalized Medicine](#)
- [JEH455H1 Current Issues in Environment and Health](#)
- [HMB462H1 Topics in Epidemiology](#)
- [HMB474H1 Dental Sciences](#)

Neuroscience Centric Courses

- [HMB200H1 Introduction to Neuroscience](#)
- [HMB300H1 Neurobiology of Behaviour](#)
- [HMB310H1 Laboratory in Neuroscience](#)
- [HMB320H1 Neuroanatomy](#)
- [CJH332H1 Cellular and Molecular Neurobiology of the Synapse](#)
- [HMB360H1 Neurogenomics](#)
- [JHA410H1 Clinical Neuroimaging](#)
- [HMB420H1 Seminar in Neurobiology of Behaviour](#)
- [HMB430H1 Trends in Neuroscience](#)
- [HMB450H1 Neurodevelopmental Disorders and Diseases](#)
- [HMB473H1 Exercise and Mental Health](#)

Important Notes About Human Biology Courses

Human Biology Course Prerequisites & Corequisites

Students are advised that the Human Biology Program enforces prerequisites and corequisites on all courses offered by the program. Students are expected to know the prerequisites of courses they wish to take and ensure they have the necessary prerequisites prior to enrollment.

Should a student wish to seek a prerequisite waiver, the request must be made prior to enrolling in the course. Please email the program office at hmb.undergrad@utoronto.ca with such requests. If a student is enrolled in an Applied Statistics Specialist, or is planning on using transfer credits, or credits obtained from UTSC/UTM, in lieu of stated prerequisites/corequisites, please contact the program office prior to enrolling in courses to ensure your alternate credits will be accepted.

Please note that if a pre-requisites is a FCE count, we generally will allow a 0.5 FCE difference (i.e. have 13.5 FCE complete when 14 FCE is required). Should a student have all other prerequisites **and** if enrolment pressure is not too high, the FCE pre-requisite will be waived. An email request for a waiver of this type of prerequisite is not necessary.

Please note that 300-level courses with the following joint course codes are automatically accepted when the pre-requisite states "A HMB300-level course:" CJH, EHJ, JNH.

Regarding Human Biology 400-level Courses

Due to popularity of HMB400-level courses, the Human Biology Program Office reserves the right to remove any student who has either completed the required number of courses for their HMB program or has completed the program requisite that the HMB400-level course would count towards utilizing a HMB400-level course taken in a prior school year. The Human Biology Program Office also reserves the right to instruct students enrolled in too many HMB400-level courses to drop to a specified number to allow as many of our HMB students to take a HMB400-level course. This course enrolment limit varies from year to year, generally capping at two if a major student and three if a specialist student. Students in this situation are given five business days' notice via email of their situation to choose which courses they wish to keep. Students are encouraged to routinely check their UTOR email during July and August Course Enrolment.

Students who are removed from HMB400-level courses for the reasons listed above will be permitted to attempt re-enrollment on September 1. This means, that if you were removed from a HMB400 level course **not** due to failing prerequisite checks, you will be permitted on September 1 to enroll via ACORN either into the course if there is space, or on the waitlist if the course is full.

There are no pre-requisite exceptions on any HMB400-level course.

Students planning on using transfer credits in lieu of the pre-requisites must email hmb.undergrad@utoronto.ca before enrolling in the course to request that transfer credits be accepted in lieu of the stated pre-requisites. Please note that 300-level courses with the following joint course codes are automatically accepted when the pre-requisite states "A HMB300-level course:" CJH, EHJ, JNH.

Regarding Human Biology "Tiered Waitlists"

The Human Biology Program employs "tiered waitlists" on all courses that have the enrolment indicator of R1 or P that has unequal spots. (HMB does not use the R2 enrolment control). For an explanation of how Tiered Waitlists work please visit the [HMB Webpage "HMB Tiered Waitlist Explained."](#)

Human Biology Courses

HMB200H1 - Introduction to Neuroscience

Hours: 24L/12T

An introductory course that explores the development, physiology and continually changing function of the nervous system as it relates to certain types of human behaviour. Critical analysis of scientific evidence is used to enrich learning.

Prerequisite: BIO120H1, BIO130H1

Recommended Preparation: PSL300H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB201H1 - Introduction to Fundamental Genetics and its Applications

Hours: 24L/12T

Interdisciplinary course consisting of three parts: the genetic basis, tools and techniques of biotechnology; medical, environmental and agricultural applications; and ethical, legal and social aspects of biotechnology (including approaches to risk assessment, reduction and acceptance). A prime example used in the third part is the controversy over genetically modified foods.

Prerequisite: BIO120H1, BIO130H1

Recommended Preparation: HMB265H1/ BIO260H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB202H1 - Introduction to Health and Disease

Hours: 24L/12P

An introductory course in Health and Disease using an interdisciplinary approach that integrates bacteriology and virology with other aspects of human biology, including chronic disease and neoplasia. An exploration of the key concepts and approaches that are necessary for understanding the dynamic nexus of human health and disease. (Lab Fees: \$40)

Prerequisite: BIO120H1, BIO130H1

Exclusion: HMB203H1/ HMB204H1

Recommended Preparation: BIO230H1/ BIO255H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB203H1 - Introduction to Global Health

Hours: 24L/12T

An introductory course covering the theories, operational components and strategies of implementing health care in resource-poor settings. Topics may include education, control of vector-borne diseases, essential drug provision, maternal and child health, nutrition, incorporation of alternative and complementary technologies, community participation and deployment of health service providers

Prerequisite: BIO120H1, BIO130H1

Exclusion: HMB202H1/ HMB204H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB204H1 - Introduction to Human Biology

Hours: 24L/12T

An introduction to the biological, health, environmental, and sociopolitical issues that influence human health and well-being. Topics include genetic variation within and across human populations, biological variation related to the environment, determinants of health and disease, and human behaviour and development.

Prerequisite: BIO120H1, BIO130H1

Exclusion: HMB202H1/ HMB203H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB265H1 - General & Human Genetics**Hours:** 24L/12T

An introduction to classical and modern methods of genetic analysis. Topics include Mendelian genetics, the genetics of human population and disease, genomics, and applications of genetics to human society.

Prerequisite: BIO120H1, BIO130H1, (CHM135H1/ CHM139H1, CHM136H1/ CHM138H1)/ CHM151Y1

Exclusion: BIO260H1/ BIO207H5

Recommended Preparation: Recommended Co-requisite: BIO230H1/ BIO255H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB302H1 - Vertebrate Histology and Histopathology**Hours:** 24L/36P

Laboratory and lecture course studying the structure of the cell, various tissues and organ systems. Emphasis is on functional morphology and the adaptive response (including the inflammatory reaction) by comparing histological sections of normal tissues and organs with common diseases including neoplasia, respiratory, and liver disease. (Lab Materials Fee: \$27)

Prerequisite: BIO230H1/ BIO255H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB300H1 - Neurobiology of Behaviour**Hours:** 24L/12T

This neuroscience course focuses on higher brain functions and the mechanisms underlying human and animal behaviours. Topics may include the emerging role of the gut microbiome's impact on behaviour, pathogens that alter neuronal development and the biological basis of mindfulness and placebos. In addition, the impact that exercise and sleep play in modulating these behaviours are examined. Common experimental techniques used in neuroscience research such as brain imaging and cellular genetics are emphasized.

Prerequisite: BIO230H1/ BIO255H1, HMB200H1/ PSY290H1/ PSL300H1/ CJH332H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB303H1 - Global Health and Human Rights**Hours:** 24L/15S

A multidisciplinary emphasis on the economic, historical, social and cultural determinants of health and human rights, and how structural violence prevents progress towards human rights. Case studies reflecting global aspects of health and human rights form a framework for approaching these issues.

Prerequisite: 9 FCE complete, a HST200-level course/ HMB202H1/ HMB203H1/ HMB204H1

Distribution Requirements: Science; Social Science

Breadth Requirements: Society and its Institutions (3)

HMB306H1 - Ethical Considerations in Emerging Technology**Hours:** 14L/10S

Advancing technology increases our ability to intervene in the course of natural events involving human health and well being. Questions arise as whether we ought to and who will benefit or be harmed. This course considers the far-reaching bioethical implications of emerging bio-technology. Topics to be explored include-but are not limited to- ethical considerations in emerging reproductive technologies, genetic alteration/genetic enhancement. Use of life support technologies, synthetic life, life extension.

Prerequisite: BIO230H1, HMB265H1/ BIO260H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB301H1 - Biotechnology**Hours:** 24L/12T

Students gain an appreciation for how science, business, government and society drive the development of biotechnology products. Topics include stem cells and regenerative medicine, diagnostics, cancer therapy, biotechnology in the developing world, antibiotic alternatives, and patents.

Prerequisite: HMB265H1/ BIO260H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB310H1 - Laboratory in Neuroscience

Hours: 12L/36P

A laboratory course based on current research techniques for students in the Neuroscience program. Lab topics may include human brain imaging and disorders, electrophysiology, cell culture, and changes in gene expression during neuronal development. Labs start in the first week of term. (Lab Materials Fee: \$60)

Prerequisite: 9 FCE complete, HMB200H1/ PSY290H1, HMB265H1/ BIO260H1, BIO230H1/ BIO255H1

Corequisite: PSL300H1

Exclusion: HMB311H1/ HMB312H1/ HMB314H1/ PSY359H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB314H1 - Laboratory in Human Biology

Hours: 12L/36P

Students analyze whole body, cellular, and molecular responses to stress. Techniques range from those standard in medical practice (e.g., fitness measures, blood pressure, lung function) to current research techniques (cell culture, changes in gene expression). Students gain technical and analytical skills as they work at the bench to design and carry out individual and group experiments. Labs start in the first week of term. (Lab Materials Fee: \$52)

Prerequisite: 9 FCE complete, HMB265H1/ BIO260H1, BIO230H1/ BIO255H1

Corequisite: PSL300H1, PSL301H1

Exclusion: HMB310H1/ HMB311H1/ HMB312H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB311H1 - Laboratory in Fundamental Genetics and its Applications

Hours: 12L/36P

A laboratory course based on current research techniques for students in the Fundamental Genetics and its Applications programs. Lab topics may include molecular biology and animal cell culture techniques, nutrigenomics; an overview of microarrays and a CRISPR module. Labs start in the first week of term. (Lab Materials Fee: \$100)

Prerequisite: 9 FCE complete, HMB201H1, HMB265H1/ BIO260H1, BIO230H1/ BIO255H1

Exclusion: HMB310H1/ HMB312H1/ HMB314H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB320H1 - Neuroanatomy

Hours: 24L/4T/10P

This is a rigorous, introductory course that addresses the structure of the vertebrate central nervous system with an emphasis on functional human neuroanatomy. It is designed for students who intend to continue with studies in the Neurosciences and related areas.

Prerequisite: 9 FCE complete, PSL300H1, HMB200H1/ PSY290H1, BIO230H1/ BIO255H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB321H1 - Topics in Genetics

Hours: 24L/12T

The overall theme of this course is human genetics in disease. Topics include the molecular basis of human disease, using model organisms to identify disease-related genes, and genetic counseling. Expert guest lectures from clinical and basic sciences as well as small group work in tutorials build in-depth understanding.

Prerequisite: 9 FCE completed, HMB265H1/ BIO260H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB312H1 - Laboratory in Health and Disease

Hours: 12L/36P

A laboratory course based on current research techniques and topics which may include basic microbiology, molecular biology and animal cell culture techniques, immunocytochemistry, changes in gene expression, and histological techniques. Labs start in the first week of term. (Lab Materials Fee: \$70)

Prerequisite: 9 FCE complete, HMB202H1/ HMB203H1/ HMB204H1, HMB265H1/ BIO260H1, BIO230H1/ BIO255H1

Corequisite: BCH210H1

Exclusion: HMB310H1/ HMB311H1/ HMB314H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB322H1 - Topics in Health & Disease

Hours: 24L/12T

Explore the scientific basis and interdisciplinary healthcare practices of several diseases (diseases vary by year). Discuss current issues related to the biology and the impact of these diseases.

Prerequisite: 9 FCE complete, HMB202H1/ HMB203H1/ HMB204H1, BIO230H1/ BIO255H1, PSL300H1

Corequisite: PSL301H1

Recommended Preparation: HMB302H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB342H1 - Epidemiology of Health & Disease

Hours: 24L/24T

This course engages students in the fundamental science of epidemiology applied to health and disease. After an introduction to various measures of health and disease, the scientific methods used to investigate, analyze, prevent and control health problems will be illustrated using biomedical and public health examples.

Prerequisite: 9 FCE complete, BIO120H1, BIO130H1

Exclusion: HST373H1

Recommended Preparation: STA288H1 or other statistics course

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB323H1 - Global Health Research

Hours: 24L/12T

Globalization of health problems impacts biomedical research. Current global health research advances are explored and global health research skills are developed. Both provide background preparation for global health research, particularly in international settings.

Prerequisite: 9 FCE complete, HMB202H1/ HMB203H1/ HMB204H1, BIO230H1/ BIO255H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

JNH350H1 - AIDS : Challenges and Successes

Previous Course Number: NEW350H1

Hours: 24L

Explores the pandemic of AIDS in Africa through a social science lens. (Given by Human Biology and New College)

Exclusion: NEW350H1

Recommended Preparation: NEW150Y1

Distribution Requirements: Humanities; Science; Social Science

Breadth Requirements: Society and its Institutions (3)

CJH332H1 - Cellular and Molecular Neurobiology of the Synapse

Previous Course Number: CSB332H1

Hours: 24L

Examination of all aspects of the synapse in both the peripheral and central nervous systems of invertebrates and vertebrates. Topics include: neuroplasticity, synapse formation, synaptic transmission, synaptic modulation, and the molecular biological basis of neurodegenerative disorders.

Prerequisite: BIO271H1/ PSL300H1

Exclusion: CSB332H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

EHJ352H1 - Evolution of the Human Genome

Hours: 24L/12T

Human genome diversity and evolution with a focus on current research. The course integrates applications of human evolutionary genomics to the understanding of human history and adaptation, the causes of disease, and genome structure and function. Topics include: comparative genomics, population genomics of adaptation, association mapping, repetitive/selfish DNA, and gene duplication.

Prerequisite: BIO220H1, BIO260H1/ HMB265H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB360H1 - Neurogenomics**Hours:** 24L/12T

Genetic basis of both the normal and abnormal development of the nervous system and its function. Topics include the regulation of neural gene expression, the role of epigenetics on neuron function, genome wide association studies and disorders of brain and behaviour, optogenetic and pharmacogenetic techniques to probe neural circuit function. Tutorials emphasize critical analysis of primary research.

Prerequisite: 9 FCE complete, HMB265H1/ BIO260H1, HMB200H1/ HMB201H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB398Y0 - Research Excursions**Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Prerequisite: 9 FCE complete and permission of the Human Biology Program from which application forms may be obtained.

Distribution Requirements: Science

HMB399Y1 - Research Opportunity Program**Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

HMB401H1 - Biomedical Advances & Technologies**Hours:** 24L/12T

This course introduces life science students to biomedical advances and technologies in medicine, including drug patents, medical device implants, diagnostic and medical device software. Limitations of patent protection in commercializing medical products, and limitations to scalability may also be discussed. Specific topics vary from year to year and will be based on the course instructor's area(s) of expertise.

Prerequisite: 14 FCE complete, HMB301H1/ HMB321H1/ BCH311H1/ CSB349H1/ MGY311Y1/ PSL350H1, HMB201H1/ HMB202H1/ HMB203H1/ HMB204H1

Recommended Preparation: a statistics course

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB394Y0 - International Research Project in Human Biology**Hours:** TBA

Your individual, independent research project is supervised by a faculty member in an approved university. This unique opportunity to conduct a lab-based research project is open to students in any Human Biology program. Coordinated by Centre for International Experience. Not eligible for CR/NCR option.

Prerequisite: At least 8.5 FCEs including relevant courses in human biology.

Distribution Requirements: Science

HMB396Y0 - International Research Project in Human Biology**Hours:** TBA

Your individual, independent research project is supervised by a faculty member in an approved university. This unique opportunity to conduct a lab-based research project is open to students in any Human Biology program. Not eligible for CR/NCR option. Coordinated by Woodsworth College.

Prerequisite: An approved 300-series science laboratory course and permission of the Human Biology Program from which application forms may be obtained.

Distribution Requirements: Science

HMB402H1 - Topics in Translational Medicine

Hours: 18L/6S

The bridge between basic scientific research and clinical practice integrates fundamental knowledge about molecular/cellular mechanisms and clinical disorders to increase the potential for new medical treatments, therapies and interventions as well as understanding of disease processes. Specific topics vary from year to year and will be based on the course instructor's area(s) of expertise.

Prerequisite: 14 FCE complete, BCH210H1, BIO230H1/ BIO255H1, HMB302H1/ HMB321H1/ HMB322H1/ BCH311H1/ CSB349H1/ MGY311Y1/ PSL350H1, and HMB202H1/ HMB203H1/ HMB204H1

Recommended Preparation: BCH311H1/ CSB349H1/ PSL350H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB420H1 - Seminar in Neurobiology of Behaviour

Hours: 12L/12S

This seminar course focuses on recent research into the neurobiology underlying human behaviour. A variety of normal and abnormal human behaviours are studied which may include: voluntary action; moral cognition; hedonism; aggression; mental health; addiction; the impact of the gut microbiome on brain development and health.

Prerequisite: 14 FCE complete, HMB200H1, HMB300H1, HMB320H1/ ANA300Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB421H1 - Seminar in Fundamental Genetics and its Applications

Hours: 12L/12S

Theme based lecture and seminar course underlining current medical research in relation to the areas of genes and genetics. Topics vary yearly.

Prerequisite: 14 FCE complete, HMB265H1/ BIO260H1, HMB201H1

Recommended Preparation: HMB321H1/ BCH311H1/ CSB349H1/ MGY311Y1/ PSL350H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB422H1 - Seminar in Health & Disease

Hours: 16L/8S

This course focuses on various medical research related to human disease. Topics vary based on course instructor's area(s) of expertise.

Prerequisite: 14 FCE complete, PSL300H1, PSL301H1, HMB302H1/ HMB322H1, and HMB202H1/ HMB203H1/ HMB204H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

JHA410H1 - Clinical Neuroimaging

Hours: 24L/12T

This course focuses on the use of neuroimaging techniques in understanding how trauma, disorders, and disease impact neural structure and function. Lectures will focus on local and long-range neural impact of pathology and neuroimaging assessment. Lab work will focus on practical skills including image processing, analyses, and experimental design.

Prerequisite: 9 FCE complete, PSL300H1, BIO230H1, HMB200H1/ PSY290H1/ ANA300Y1

Recommended Preparation: HMB320H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB430H1 - Trends in Neuroscience

Hours: 18L/6S

Current research covering the breadth of neuroscience is showcased by members of the Collaborative Program in Neuroscience. Topics vary yearly, but cover the spectrum from molecular through genetic, cellular, developmental, systems, behavioural and modelling. As well, approaches to studying neurodegenerative diseases and clinical neurophysiology are introduced.

Prerequisite: 14 FCE complete, HMB200H1, CJH332H1, HMB320H1/ JHA410H1/ ANA300Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB431H1 - Innovation in Applied Genetics

Hours: 16L/8S

This course explores innovation in research and technology in the field of applied genetics. Specific topics vary from year to year and will be based on the course instructor's area(s) of expertise.

Prerequisite: 14 FCE complete, HMB321H1, HMB201H1/ HMB202H1/ HMB203H1/ HMB204H1

Distribution Requirements: Science

Breadth Requirements: Society and its Institutions (3)

HMB432H1 - Topics in Histology & Histopathology

Hours: 12L/12S

Lecture and seminar course emphasizing current research. Topics may include the digestive system, cardiovascular system, respiratory system, stem cells, and neoplasia. Topics vary depending on class interest.

Prerequisite: 14 FCE complete, HMB302H1/ HMB322H1

Recommended Preparation: BCH311H1/ CSB349H1/ MGY311Y1/ PSL350H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB433H1 - Topics in Global Health

Hours: 16L/8S

Seminar and theme based course examining the opportunity to apply basic knowledge of biological determinants of disease to designing health system interventions and informatics that can have a global impact in the near term.

Prerequisite: 14 FCE complete, HMB303H1/ HMB323H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB434H1 - Complementary & Integrative Medicine

Hours: 20L/4S

Introduction to complementary and alternative medical therapies. Topics include, Traditional Chinese Medicine, Naturopathy, Ayurvedic, and Mind-Body Practices. Biological mechanisms will be emphasized and therapies will be critically analyzed from an evidence-based research perspective. Integrating alternative therapies into Western practices with a focus on personalized medicine will be discussed.

Prerequisite: 14 FCE complete, BCH210H1, BIO230H1/ BIO255H1, HMB302H1/ HMB312H1/ HMB314H1/ HMB322H1/ HMB323H1/ HMB342H1, and HMB202H1/ HMB203H1/ HMB204H1

Recommended Preparation: HMB342H1/ CSB349H1/ PSL350H1/ BCH311H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB435H1 - Selected Topics in Molecular Cell Biology

Hours: 16L/8S

Theme-based lecture and seminar course underlining current basic science research in the area of molecular and cell biology, focusing on cell migration and its relevance to human health and disease. Topics may focus on the impact of fundamental processes underlying the cell biology, physiology and pathophysiology of cell motility in a variety of systems (e.g. immune, nervous system, cancer context).

Prerequisite: 14 FCE complete, BCH311H1/ CSB349H1/ MGY311Y1/ PSL350H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB436H1 - Medical and Veterinary Mycology

Hours: 24L

This lecture-based course will familiarize students with fungi of public health importance, particularly those that cause disease in humans and other animals. The course will focus on the clinical presentation, pathophysiology, and treatment of fungal infections, as well as the ecology, physiology and evolutionary biology of the agents responsible. The course will also address other ways in which fungi influence human and animal health.

Prerequisite: 14 FCE complete, HMB265H1/ BIO260H1, BIO220H1

Recommended Preparation: EEB268H1, EEB331H1/ CSB353H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB441H1 - Genetics of Human Disease

Hours: 24L

This advanced course aims to provide students with current, in-depth knowledge of the genetics of specific human diseases, including single gene (e.g., Huntington disease), multifactorial (e.g. Alzheimer's disease), and non-Mendelian (e.g. mitochondrial DNA-related disease) disorders, and how the use of genetics to elucidate disease mechanisms can lead to treatments and personalized medicine in order to improve healthcare.

Prerequisite: 14 FCE complete, HMB265H1/ BIO260H1, BCH210H1, HMB302H1/ HMB321H1/ HMB322H1/ BCH311H1/ CSB349H1/ MGY311Y1/ PSL350H1, and HMB201H1/ HMB202H1/ HMB203H1/ HMB204H1

Recommended Preparation: HMB321H1, PSL300H1, PSL301H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB437H1 - The Biology of the Human Metallome

Hours: 24L

This course will discuss how heavy metals are integral to organ function through various biological pathways, the importance of metal regulation and control and its relationship with gene transcription. An introduction of metallo-therapeutics will also be featured, ranging from neurodegenerative therapies to cancer treatment.

Prerequisite: 14 FCE complete, HMB265H1/ BIO260H1, BIO230H1/ BIO255H1, BCH210H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB443H1 - Global Hidden Hunger

Hours: 18L/6S

Vitamin and mineral deficiencies, termed 'hidden hunger,' affect about half the world's population. Explore the global nature, catastrophic consequences, and causes of these deficiencies. Discuss formulation and implementation of international, national, and local policies to alleviate 'hidden hunger' especially in infants and young children. A service-learning opportunity is integrated. Students will be required to contribute to a local community organization while using course knowledge to develop a project or initiative beneficial to the organization and community.

a short application to enrol in this course is required. Information may be found via the [Human Biology Program website](#).

Prerequisite: 14 FCE complete, BIO230H1/ BIO255H1, HMB302H1/ HMB303H1/ HMB312H1/ HMB314H1/ HMB322H1/ HMB323H1/ CJH332H1 (formerly CSB332H1)/ NFS382H1

Recommended Preparation: PSL301H1, CSB349H1/ PSL350H1/ BCH311H1

Distribution Requirements: Science

Breadth Requirements: Society and its Institutions (3)

HMB440H1 - Dementia

Hours: 18L/10P/6S

This course, featuring a service-learning component, explores dementia. In patients with dementia, intellectual, social and occupational functioning deteriorate. The course addresses the multi-disciplinary aspects of dementia (clinical, genetic, molecular, social) with a focus on the most common cause of dementia, Alzheimer's disease.

A short application to enrol in this course is required. Information may be found via the [Human Biology Program website](#).

Prerequisite: 14 FCE complete, HMB265H1/ BIO260H1, PSL300H1, HMB300H1/ HMB302H1/ HMB320H1/ HMB321H1/ ANA300Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB450H1 - Neurodevelopmental Disorders and Diseases

Hours: 24L/12T

Proper development of the human brain is essential for human health. This course will examine how neurodevelopment failures contribute to neurological disorders and diseases, such as epilepsy and autism. Current research from basic, translational, and clinical perspectives will be examined using case studies. The impact of neurodevelopmental disorders and diseases on the individual and community will be discussed.

Prerequisite: 14 FCE complete, HMB200H1, HMB320H1/ ANA300Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

JEH455H1 - Current Issues in Environment and Health

Hours: 16L/8S

This course introduces students to complex issues at the interface between environment and health where health is broadly defined. Each year a current and controversial case study is explored from scientific, medical, political and policy perspectives. The course takes students from the molecular to individual to population and societal levels.

Prerequisite: 14 FCE complete, ENV341H1/ HMB302H1/ HMB312H1/ HMB314H1/ HMB322H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB452H1 - Personalized Medicine

Hours: 12L/12S

The bridge between basic scientific research and clinical practice integrates fundamental knowledge about molecular/cellular mechanisms and clinical disorders to increase the potential for new medical treatments, therapies and interventions as well as understanding of disease processes. Specific topics vary from year to year and will be based on the course instructor's area(s) of expertise.

Prerequisite: 14 FCE complete, HMB302H1/ HMB321H1/ HMB322H1, HMB201H1/ HMB202H1/ HMB203H1/ HMB204H1

Distribution Requirements: Science

Breadth Requirements: Society and its Institutions (3)

HMB462H1 - Topics in Epidemiology

Hours: 12L/12S

The focus is on the theory and application of biostatistics and epidemiology to current developments in special topics in substantive areas of epidemiology (e.g., chronic disease, environmental & occupational health, infectious disease, methods, social, etc.).

Prerequisite: 14 FCE complete, HMB342H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HAJ453H1 - AIDS: A Global Perspective

Hours: 6L/18S

Seminars explore the global AIDS crisis, adopting the medical-anthropological perspective of Paul Farmer's Infections and Inequalities. Varying epidemiological profiles of AIDS are placed in broader social, cultural, and political-economic frameworks. The impact of globalization and structural inequality on local cultures and lifestyles provides an essential backdrop to the discussions.

Prerequisite: 14 FCE complete, ANT208H1/ BIO220H1/ PHS300H1/ JNH350H1

Distribution Requirements: Science; Social Science

Breadth Requirements: Society and its Institutions (3)

HMB470H1 - Exercise and Sports Medicine

Hours: 20L/4S

This course introduces biomechanics and builds on knowledge of the biomechanics of injury and dysfunction to develop a systematic understanding of risk, injury prevention, and initial management of injuries in sports and physical activities. Some additional topics include doping in sport, travel issues in competitive sport, and ethical issues in clinical sport medicine.

Prerequisite: 14 FCE complete, PSL300H1, PSL301H1, HMB200H1/ HMB201H1/ HMB202H1/ HMB203H1/ HMB204H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB471H1 - Performance Enhancement

Hours: 20L/4S

Enhancing performance has broad appeal. This course explores current developments for achieving peak performance academically, physically and emotionally. We focus on the scientific basis of the links between performance and stress, and of the benefits and risks of pharmacological methods to achieve performance enhancement. Various stress management skills are introduced.

Prerequisite: 14 FCE complete, PSL300H1, HMB200H1/HMB201H1/ HMB202H1/ HMB203H1/ HMB204H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB474H1 - Dental Sciences

Hours: 12L/12S

Dentistry is one of the oldest branches of medicine responsible for the treatment of diseases of oral cavity. This course will introduce students to the key concepts as well as the latest research in the dental sciences, including but not limited to craniofacial structures, bone physiology, odontogenesis, pathogenesis of oral diseases, and technology in dental sciences.

Prerequisite: 14 FCE complete, BIO230H1/ BIO255H1, PSL300H1, PSL301H1, HMB200H1/ HMB201H1/ HMB202H1/ HMB203H1/ HMB204H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB472H1 - Exercise Physiology

Hours: 20L/4S

Examine the physiological and biochemical responses of the human body to both acute and chronic bouts of physical activity. The impact of activity on health, and health on physical activity, is explored by examining adaptations from the cellular to the systemic level of bodily function.

Prerequisite: 14 FCE complete, PSL300H1, PSL301H1, HMB200H1/ HMB201H1/ HMB202H1/ HMB203H1/ HMB204H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB489H1 - Advanced Laboratory in Human Biology

Hours: 72P

Building on their experience in 3rd-year labs, students participate in inquiry-based laboratory experiments in diverse areas of current human biology research. Open to students in any Human Biology program. Labs start in the first week of term. (Lab Materials Fee: \$105)

Prerequisite: 14 FCE complete, HMB310H1/ HMB311H1/ HMB312H1/ HMB314H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB473H1 - Exercise and Mental Health

Hours: 18L/10P/6S

This course, featuring a service-learning component, discusses how mental well-being is a critical element of total health. We explore the evidence underpinning the role of physical activity in the avoidance of mental disorders, recovery from mental disorders, and the quality of life of those with or without mental disorders.

A short application to enrol in this course is required. Information may be found via the [Human Biology Program website](#).

Prerequisite: 14 FCE complete, PSL300H1, PSL301H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

HMB490Y1 - Health in Community

Hours: 24L/24T

An experiential learning course exploring health-related challenges and social determinants of health in partnership with local community organizations. Lectures and tutorials will support learning of selected biological and social aspects of health and disease, neuroscience, genetics or population health, and the development of scientific knowledge translation skills relevant to the community agencies.

Prerequisite: BIO230H1/ BIO255H1, HMB265H1/ BIO260H1, BCH210H1, PSL300H1, PSL301H1, HMB200H1/ HMB201H1/ HMB202H1/ HMB203H1/ HMB204H1

Exclusion: HMB473H1

Recommended Preparation: a 300-level science lab course

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4); Society and its Institutions (3)

HMB496Y1 - Research Project in Human Biology

Hours: TBA

A research project course for students enrolled in a Human Biology program, supervised by a faculty member appointed in a faculty or division at St. George Campus (Faculties of Arts & Science, Medicine, Engineering, Dalla Lana School of Public Health, etc.). Open to third and fourth year students.

Students are responsible for securing their own supervisor. Should a HMB Specialist require help securing a supervisor, the request must be made by email to the Human Biology Program Office no later than July 20 for Academic year projects and January 30 for Summer projects.

Completed applications for this course are due to the Human Biology Program Office by September 1 for Academic year projects and May 1 for Summer projects. Please see the application on the [Special Enrolment Courses page on the HMB Website.](#)

Not eligible for CR/NCR option.

Prerequisite: Permission of the Human Biology Program; please refer to the Human Biology Program website for more details

Exclusion: Students are not permitted to do a HMB research project concurrently with another research project

Distribution Requirements: Science

HMB499Y1 - Research Project in Human Biology II

Hours: TBA

A research project course for students enrolled in a Human Biology program, supervised by a faculty member appointed in a faculty or division at St. George Campus (Faculties of Arts & Science, Medicine, Engineering, Dalla Lana School of Public Health, etc.).

Students are responsible for securing their own supervisor. Should a HMB Specialist require help securing a supervisor, the request must be made by email to the Human Biology Program Office no later than July 20 for Academic year projects and January 30 for Summer projects.

Completed applications for this course are due to the Human Biology Program Office by September 1 for Academic year projects and May 1 for Summer projects. Please see the application on the [Special Enrolment Courses page on the HMB Website.](#)

Not eligible for CR/NCR option.

Prerequisite: HMB496Y1, and permission of the program

Exclusion: Students are not permitted to do a HMB research project concurrently with another research project.

Distribution Requirements: Science

Hungarian

Given by the Centre for European, Russian, and Eurasian Studies

Hungarian is spoken by ten and a half million inhabitants of present-day Hungary, about three million people in the neighbouring countries, and perhaps as many as an additional two million around the world. These figures make Hungarian, which is related to Finnish, Estonian, and Lappish, but virtually no other language in Europe, by far the largest minority language in the great Indo-European language territory.

Despite the isolation that might have been imposed by the uniqueness of their language, Hungarians have been engaged with, and participants in, greater European affairs since their arrival in the Carpathian basin more than a thousand years ago. Hungarians have made signal contributions in the fields of arts, science, and mathematics, winning Nobel prizes in Chemistry (4), Medicine (3), Physics (3), Economics, and Literature. In the music world the names Béla Bartók, Kodály, Lehár, Liszt, Székely, Ormandy, Schiff, and many others are internationally famous. Leo Szilárd, Edward Teller, Paul Erdős, and John von Neumann are famous figures in theoretical physics and mathematics. Joseph Biró developed the ball-point pen and to this day the British call a ball-point pen, a biro. Hungarians have also become famous in sports, particularly soccer, boxing, and fencing, and in the world of cinema. And who has not played with the Rubik's cube?

Hungarian studies at the University of Toronto focus on the language, literature, cinema and culture of Hungary and on the international role of Hungary and Hungarians - particularly on Hungarian immigration to Canada. For many of the courses no prior knowledge of the Hungarian language is necessary, making them easily accessible also to students in other programs.

Program Coordinator:
Professor Robert Austin, robert.austin@utoronto.ca, Tel.
416.946.8942

Hungarian Studies Minor (Arts Program) - ASMIN1124

Completion Requirements:

(4 full courses or their equivalent, including at least one at the 300+ level)

Four courses from: HUN100Y1, HUN200Y1, HUN310Y1, HUN320Y1, HUN335H1, HUN345H1, HUN351H1, HUN440Y1, HUN450H1, HUN455H1; HIS241H1, HIS251Y1, HIS389H1 (Hungarian History), HIS453H1; INI381H1

Faculty of Arts & Science Language Citation

The Hungarian program participates in the Faculty of Arts and Science's Language Citation initiative. Students may achieve this Citation in Hungarian.

Language study is a demanding and intellectually rewarding educational experience. Our students learn to communicate both orally and in writing in other languages and are thus able to experience other parts of the world in more intimate ways. Their access to other cultures opens doors for further study and employment. Students in our department also have the opportunity to read a vast array of world-renowned authors in the original languages, as well as works – normally not available in English – in other areas of study, for example, cinema studies, drama, folklore, history, intellectual history, philosophy, mathematics, and political science.

The Language Citation recognizes a significant level of achievement in language study. For course selection students should consult the Undergraduate Coordinator as early as possible since not every language course is offered each year. Students who begin language study at the Intermediate level should consult the Undergraduate Coordinator for approval of advanced literature and culture courses that may satisfy the requirements for the Language Citation.

The Language Citation in Hungarian is available to students who complete HUN200Y1 and HUN310Y1 with a grade of at least B-.

Students should note that, as explained on the page 20 of this Calendar, the Language Citation is not equivalent to an academic program and that enrolment in a program is not necessary in order to earn the recognition bestowed by the Citation.

Note

The Department reserves the right to assign students to courses appropriate to their level of competence in Hungarian.

Hungarian Programs

Hungarian Studies Major (Arts Program) - ASMAJ1124

Completion Requirements:

(6 full courses or their equivalent including two FCEs in Hungarian language study)

First Year:

HUN100Y1

Higher Years:

1. HUN200Y1, HUN310Y1, HUN320Y1

2. Two courses from: EUR200Y1, HIS241H1, HIS242H1, HIS251Y1, HIS389H1 (Hungarian History), HIS453H1; HUN355H1, HUN345H1, HUN355H1, HUN356H1, HUN440Y1, HUN450H1, HUN455H1; INI381H1

Hungarian Courses

HUN100Y1 - Elementary Hungarian

Hours: 120P

This course is aimed at students interested in Hungarian but have no prior knowledge of the language. The course emphasizes essential vocabulary, basic comprehension, speaking, reading and writing skills with a balance between communicative activities and grammar practices. Communicative activities will include group and partner work to encourage interactive learning.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

HUN200Y1 - Intermediate Hungarian

Hours: 96P

Review of descriptive grammar; studies in syntax; vocabulary building; intensive oral practice; composition; reading and translation.

Prerequisite: Permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

HUN310Y1 - Advanced Hungarian

Hours: 48S

This course is intended to build on the skills and knowledge acquired by the students in the previous Hungarian language courses. It will consist of a more advanced study of grammar, more complex vocabulary, higher level of oral skills and longer reading, writing and translation exercises. Communicative activities will include group and partner work to encourage interactive learning.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

HUN320Y1 - A Survey of Hungarian Literature

Hours: 48S

A chronological study of the development of Hungarian literature since the 12th century; emphasis both on outstanding writers and on significant movements or themes. Transformations of ideas and changes in language and style. No knowledge of Hungarian required.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

HUN335H1 - Urban vs. Rural: Immigration to and Settlement in North America

Hours: 12L/12S

This course will provide an examination of the history of Hungarian Immigration to and settlement in North America. The course will examine the "push" and "pull" factors, the socio-economic factors involved, their patterns of migration and the organizational development of the communities they founded in North America. The course will compare and contrast the reception the immigrants and later refugees received in the United States and Canada and examine how they adapted to their new homelands.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HUN345H1 - The Dynamic of Hungarian Culture, Ethnography, and Folklore

Hours: 12L/12S

Explore the cultural traditions, historical processes, myths, and figures that have shaped and redefined Hungarian civilization and national identity. Theoretical and practical classes on ethno-genesis, anthropology, and folklore. Readings in English (also available in Hungarian).

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

HUN355H1 - One Hundred Years of Dramatic Change: History of the Past Century and Reflections of Society in Hungarian Culture

Hours: 12L/12S

Explore Hungary's rapidly changing place in Europe. Focus on political, sociological, and historical understandings of nationalism and identity as they manifest themselves in literature, history, and culture. Knowledge of Hungarian not required.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

HUN455H1 - Hungary and Europe: Cultural Adaptation in the Late 20th Century

Hours: 12L/12S

Focus on literature, art, mass media, and popular culture in post-1990 Hungary with special emphasis on the past ties to European culture and the impact of European integration. Readings in English (also available in Hungarian).

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

HUN497Y1 - Independent Study (Hungarian)

Hours: TBA

Translation course concentrating on Hungarian prose translation.
Not eligible for CR/NCR option.

Prerequisite: Permission of Department

Distribution Requirements: Humanities

HUN498H1 - Independent Study (Hungarian)

Hours: TBA

Translation course concentrating on Hungarian prose translation.
Not eligible for CR/NCR option.

Prerequisite: Permission of Department

Distribution Requirements: Humanities

Immunology

Faculty List

Professors Emeriti

B.H. Barber, M Sc, Ph D
 D.E. Isenman, B SC, Ph D
 M. Letarte, B Sc, Ph D
 R.H. Painter, B Sc, Ph D
 M.J. Shulman, BA, Ph D
 G. Wu, M Sc, Ph D

Professor and Chair of the Department

J.C. Zúñiga-Pflücker, B Sc, Ph D

University Professor

T.W. Mak, Ph D, D Sc, FRSC

Professors

N. Berinstein, MD
 J.R. Carlyle, B Sc, Ph D
 K. Croitoru, MDCM
 M.I. Cybulsky, MD
 J. Danska, AB, Ph D
 H.M. Dosch, MD
 E. Fish, M Sc Ph D
 S. Girardin, Ph D
 J.L. Gommerman, B Sc, Ph D
 E. Grunebaum, B Sc, MD
 C. Guidos, B Sc, Ph D
 N. Hirano, MD
 R.D. Inman, BA, MD
 N.N. Iscove, Ph D, MD
 M. Jeschke, MD, Ph D, FACS, FRCSC
 M.H. Julius, B Sc, Ph D
 R. Kaul, MD, Ph D
 E.C. Keystone, B Sc, Ph D
 G. Levy, B Sc, MD, FRCP
 A. Martin, M Sc, Ph D
 P.S. Ohashi, B Sc, Ph D
 M. Ostrowski, MD, FRCP
 C. Paige, B Sc, Ph D
 J. Penninger, MD (Adjunct)
 D.J. Philpott, B Sc, Ph D
 M.J.H. Ratcliffe, B Sc, Ph D
 C. Roifman, MD
 R. Rottapel, MD
 K. Siminovitch, MD, FRCP, ABIM
 D. Wall, MD
 T.H. Watts, B Sc, Ph D
 J. Wither, MD, Ph D
 M. Woo, MD, Ph D, FRCPC
 R.S. Yeung, MD, Ph D, FRCPC
 L. Zhang, MD, Ph D

Associate Professors

M.K. Anderson, B Sc, Ph D
 S. Berger, M Sc, Ph D
 D. Brooks, B Sc, Ph D
 S. Dunn, B Sc, Ph D
 G. Ehrhardt, B Sc, Ph D
 T. Eiwegger, MD, Ph D
 D.J. Kelvin, M Sc, Ph D
 T. Mallevaey, B Sc, Ph D
 T. McGaha, B Sc, Ph D
 P. Poussier, MD
 D. Spaner MD, Ph D
 F.W. Tsui, M Sc, Ph D (Adjunct)
 P. Vadas, Ph D, MD

Assistant Professors

M. Butler, MD
 B. Coburn, MD, Ph D
 S. Crome, B Sc, Ph D
 S. Epelman, MD, Ph D, FRCPC
 A. Gehring, BA, Ph D
 J. Jongstra-Bilen, M Sc, DEA, Ph D
 J.P. Julien, B Sc, Ph D
 S. Juvet, MD, PhD
 N. Lee, B Sc, Ph D
 S. MacParland, M Sc, Ph D
 T. Martinu, MD
 A. Mortha, M Sc, Ph D
 C.S. Robbins, B Sc, Ph D
 L. Serghides, B Sc, Ph D
 B. Treanor, B Sc, Ph D
 H. Tsui, Ph D, MD
 D. Winer, MD

Lecturers

L. Clementz, B Sc, Ph D
 I. Dimitriou, Ph.D
 W. Tamminen, BSc, PhD

Introduction

Immunology is an integrative branch of the medical sciences that draws upon the more traditional disciplines of Molecular Biology, Microbiology, Pathology, and Biochemistry. In essence, Immunology is the study of the physiological responses that result when foreign (i.e. non-self) materials are introduced into a vertebrate organism such as humans. Traditionally, the discipline has focussed on the body's response to infectious micro-organisms, with the purpose of developing effective vaccines. However, the scope of modern Immunology now encompasses all aspects of self vs. non-self recognition phenomena including organ transplantation, tumour immunology and autoimmune diseases. Recent major advances in our understanding of the cellular and molecular basis of the immune response promise to provide us with a new generation of prophylactic, therapeutic and diagnostic reagents of relevance to human and animal health.

The Department of Immunology, in collaboration with Trinity College, co-ordinates specialist, major, and minor programs in Immunology. The emphasis of the specialist program is to provide students with a sound theoretical understanding of the cellular and molecular basis of non-self recognition, together with sufficient laboratory experience to enable the students to consider embarking on a career in the discipline. The major and minor programs offer students fundamental training in Immunology and gives them the opportunity to combine Immunology with another program in Life Sciences, Basic Sciences, or within the Arts.

Immunologists may have careers in universities and other centres of learning and research, as well as in the biotechnology industries, diagnostic laboratories and various government agencies. Courses in this specialist program are drawn from offerings by the Department, together with courses from other Departments, taught in some cases by members of the Department of Immunology. As enrolment in the specialist and major programs are restricted, please consult specific requirements outlined in the program description section.

Associate Chair, Undergraduate Studies:
 Dr. T. Mallevaey

Enquiries:
Department of Immunology, Room 7205, Medical Sciences Building
(416-978-0926)

More information is available on our website:
www.immunology.utoronto.ca

Immunology Programs

Immunology Specialist (Science Program) - ASSPE1002

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's marks in the 3.0 required first-year courses:

BIO120H1, BIO130H1, [CHM135H1 (formerly CHM139H1); CHM136H1 (formerly CHM138H1)]/ CHM151Y1, (MAT135H1, MAT136H1)/ MAT137Y1 with an average of at least 70% on these 3.0 full-course equivalents (FCEs) and a final mark of at least 65% in each course.

While it is difficult to predict what will be competitive course marks and average in a given year, based on previous years, the estimate is: course marks = high 70s; average = high 70s.

Achieving these estimated marks does not guarantee admission to the program in any given year.

Note: Students must apply to this program on the [A&S Current Students Program Enrolment website](#).

For more information, refer to the Immunology website at:
www.immunology.utoronto.ca.

Completion Requirements:

(13.5 full courses or their equivalents)

First Year:

BIO120H1; BIO130H1; [CHM135H1 (formerly CHM139H1); CHM136H1 (formerly CHM138H1)] / CHM151Y1; (MAT135H1, MAT136H1)/ MAT137Y1

First Year or upper years:

(PHY131H1; PHY132H1) / (PHY151H1; PHY152H1)

Second Year:

1. BCH242Y1; BIO230H1; BIO260H1 / HMB265H1; CHM220H1; IMM250H1
2. One course from the following list: BIO220H1 / STA220H1 / TRN225Y1 / TRN236H1 / CHM247H1 / CHM249H1

Third Year:

BCH377H1; IMM341H1; IMM351H1; MGY311Y1; MGY377H1; MGY378H1

Fourth Year:

1. IMM435H1

2. Two courses from the following list: IMM428H1 / IMM429H1 / IMM430H1 / IMM431H1 / MIJ485H1
3. IMM450Y1 or one full course equivalent at the 400-series in ANA, BCH, IMM, LMP, MGY, CSB.

Notes:

1. (PHY131H1; PHY132H1) / (PHY151H1; PHY152H1) may be taken in the first year or subsequent years and are not required for entrance into the specialist program.
2. IMM435H1 is capped at 40 students. Priority will be given to Immunology Specialist students, followed by Immunology Major students.

Immunology Major (Science Program) - ASMAJ1002

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's marks in the 2.0 required first-year courses:

BIO120H1, BIO130H1, [CHM135H1 (formerly CHM139H1); CHM136H1 (formerly CHM138H1)] / CHM151Y1 with an average of at least 70% on these 2.0 full-course equivalents (FCEs) and a final mark of at least 60% in each course.

While it is difficult to predict what will be competitive course marks and average in a given year, based on previous years, the estimate is: course marks = high 70s; average = high 70s.

Achieving these estimated marks does not guarantee admission to the program in any given year.

Note: Students must apply to this program on the [A&S Current Students Program Enrolment website](#).

For more information, refer to the Immunology website at:
www.immunology.utoronto.ca.

Completion Requirements:

(8 full courses or their equivalents, including two 400-series courses)

First Year:

BIO120H1; BIO130H1; [CHM135H1 (formerly CHM139H1); CHM136H1 (formerly CHM138H1)] / CHM151Y1

Second Year:

1. BCH210H1; BIO230H1; IMM250H1; BIO260H1 / HMB265H1
2. 0.5 full-course equivalent (0.5 FCE) from the following list: BIO220H1 / STA220H1 / TRN225Y1 / TRN236H1 / CHM247H1 / CHM249H1

Third Year:

IMM340H1; IMM350H1; CSB349H1 / BCH311H1; One full-course equivalent from the following list: BCH370H1 / MGY377H1 / MGY378H1 / PHL281H1

Fourth Year:

One full-course equivalent from the following list: IMM428H1 / IMM429H1 / IMM430H1 / IMM431H1 / IMM435H1 / MIJ485H1

Notes:

1. Students considering graduate school are encouraged to add the additional non-compulsory IMM450Y1 research course, if space permits.
2. MIJ485H1 requires MGY377H1 & MGY378H1 as prerequisites.
3. IMM435H1 is capped at 40 students. Priority will be given to Immunology Specialist students, followed by Immunology Major students.

Immunology Minor (Science Program) - ASMIN1002

Completion Requirements:

For more information, refer to the Immunology website at:
www.immunology.utoronto.ca.

(4 full courses or their equivalents)

First Year:

BIO120H1; BIO130H1; [CHM135H1 (formerly CHM139H1);
CHM136H1 (formerly CHM138H1)]/ CHM151Y1

Second Year:

BIO230H1; IMM250H1

Third Year:

IMM340H1; IMM350H1

Immunology Courses

IMM250H1 - The Immune System and Infectious Disease

Hours: 24L

Students will be introduced to the basic concepts of immunity to infectious disease and how breakdown of the immune response can lead to auto-immunity. We will trace the history of current ideas in immunology and the immune response by examining how bacteria and viruses cause disease and the initial discoveries that led to such developments as vaccination. Current topical and newsworthy infectious diseases (HIV, tuberculosis, SARS, avian flu) will be used as examples of how the immune system copes with microbial infections.

Recommended Preparation: BIO120H1, BIO130H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

IMM340H1 - Fundamental Immunology

Hours: 24L/12T

This course introduces the basic principles and key players of the immune system: differences and interplay between innate and adaptive immunity, how immune cells develop and function, how immune cells recognize threats and danger and mount an appropriate and measured response. This course is offered in the Fall term with in-class lectures and tutorials, as well as in the Summer term with hybrid delivery (online lectures and in-class tutorials).

Prerequisite: BIO230H1

Exclusion: IMM334Y1/ IMM335Y1/ IMM341H1

Recommended Preparation: IMM250H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

IMM341H1 - Fundamental Immunology (Advanced)

Hours: 24L/12T

This course introduces the fundamental principles and key players of the immune system: differences and interplay between innate and adaptive immunity, how immune cells develop and function, how immune cells recognize threats and danger and mount an appropriate and measured response. Intended for students specializing in Immunology and related programs.

Prerequisite: BIO230H1

Exclusion: IMM334Y1/ IMM335Y1/ IMM340H1

Recommended Preparation: IMM250H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

IMM350H1 - The Immune System in Action

Hours: 24L/12T

This course illustrates how different elements of the immune system come together to mount efficient and measured responses. Topics include response to infectious microorganisms, allergy and autoimmunity, immune responses against cancer, and transplantation immunology.

Prerequisite: IMM340H1/ IMM341H1

Exclusion: IMM334Y1/ IMM335Y1/ IMM351H1

Recommended Preparation: Science

Breadth Requirements: Living Things and Their Environment (4)

IMM351H1 - The Immune System in Action (Advanced)

Hours: 24L/12T

This course illustrates how different elements of the immune system come together to mount efficient and measured responses. Topics include response to infectious microorganisms, allergy and autoimmunity, immune responses against cancer, and transplantation immunology. Intended for students specializing in Immunology and related programs.

Prerequisite: IMM341H1/ IMM340H1

Exclusion: IMM334Y1/ IMM335Y1/ IMM350H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

IMM385Y1 - Special Research Project in Immunology

Hours: 180P

This course provides an opportunity for students to conduct a research project under the supervision of a member of the Faculty. Students are expected to devote a minimum of seven hours per week to the course from the week the fall term lectures begin to the last week of the spring term. Research projects will involve experimental design and work, data analyses, literature reading etc.

Prerequisite: IMM250H1

Corequisite: IMM340H1/ IMM341H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

IMM428H1 - Molecular Immunology

Hours: 24L

This course will focus on the molecular and cellular biology of immune recognition. The course will emphasize historical and recent experimental evidence leading to our current understanding of immune recognition. Subtopics are subject to change and have recently included mechanisms of diversification of immunoglobulin receptors, T cell –MHC interactions, T cell activation and signaling mechanisms; receptors of the innate immune system, immune recognition by natural killer cells.

Prerequisite: BCH210H1/ BCH242Y1, BCH311H1/ CSB349H1/ MGY311Y1/ PSL350H1, IMM350H1/ IMM351H1/ IMM334Y1/ IMM335Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

IMM429H1 - Developmental Immunology

Hours: 24L

Hematopoiesis, myelopoiesis, lymphopoiesis, a study of the development of cells involved in the immune system including their ontogeny, physical, molecular, and biochemical characteristics, regulation of differentiation and maturation, positive and negative selection of lymphocytes.

Prerequisite: IMM350H1/ IMM351H1 (IMM334Y1/ IMM335Y1)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

IMM430H1 - Clinical Immunology

Hours: 24L/24T

This course will address the underlying pathogenesis as well as highlight the challenges of treating immune-related conditions such as autoimmunity, cancer, HIV, and transplantation and graft rejection. Half of the lectures will address the genetics and cellular pathogenesis of autoimmune diseases such as multiple sclerosis, type I diabetes and lupus. Other lectures will overview a number of immunological challenges faced in the clinic, such as preventing graft rejection after transplantation or boosting the immune system to fight cancer and HIV.

Prerequisite: IMM350H1/ IMM351H1 (IMM334Y1/ IMM335Y1)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

IMM431H1 - Immunotherapy

Hours: 24L/12T

Therapies that enhance, or suppress, the body's immune response have proven remarkably efficient for the treatment of human diseases such as cancer, autoimmunity and chronic inflammation. Some of these therapies, such as the so-called checkpoint inhibitors and CAR-T cell therapies have recently leaped from bench to bedside. This course will cover the fundamental immune principles at play, how they were discovered, as well as the existing and future immune therapies to treat these diseases.

Prerequisite: IMM350H1/ IMM351H1

Recommended Preparation: IMM428H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

IMM435H1 - Practical Immunology

Hours: 72P

Application of basic principles acquired from IMM350H1/IMM351H1 (IMM334Y1/IMM335Y1); immunological procedures performed in research and diagnostic laboratories using molecular and cellular approaches; instruction through lectures, video tapes, and practical exercises in the laboratory.

Prerequisite: BCH210H1/ BCH242Y1, IMM350H1/ IMM351H1/ IMM334Y1/ IMM335Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

IMM450Y1 - Research Project in Immunology

Hours: 154P

An opportunity for specialized research in Immunology under the supervision of a member of the Faculty. There are no pre- or co-requisites, although preference is given to Immunology Specialist and Major students. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

MIJ485H1 - Vaccines and Immunity

Hours: 36L

Analysis of the strategies used by pathogenic microbes to evade specific and innate immune responses, and the strategies used to combat infectious disease using vaccines, with an emphasis on molecular and immunological aspects. Special topics include: molecular basis of pathogenicity and immune-evasion strategies; vaccination strategies; challenges to vaccine implementation (given jointly by the Departments of Molecular Genetics and Immunology).

Prerequisite: (IMM340H1/ IMM341H1), (IMM350H1/ IMM351H1), MGY377H1, MGY378H1

Exclusion: MBY480H1, MGY485H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

Impact Centre

Faculty List

Professor and Director

M. Cynthia Goh, BS, PhD (U)

Cross Appointed

E. Istrate, BASc, PhD

Introduction

The Impact Centre's goal is for proactive knowledge translation, in which university-based expertise is brought to create value to society. Innovation and entrepreneurship are important aspects in this process, and the Impact Centre is home to a number of training activities for students to gain entrepreneurial skills. These skills are useful whether starting a company, or joining an existing company. At the undergraduate level, this program includes lecture-based and experiential-learning courses.

The courses are aimed at students from all disciplines. Inventions sometimes come from the science or engineering labs, but getting them out of the lab and available to meeting society's needs requires a very diverse set of skills. This is usually done by multi-disciplinary teams with representatives from the sciences, the social sciences and the humanities. Therefore, the courses will emphasise such collaborations between students of diverse backgrounds.

Impact Centre Courses

IMC200H1 - Innovation and Entrepreneurship

Hours: 24L

How do innovations become useful in society? What is needed for a company to use such innovations successfully? Why and how do individuals and companies commercialize a technology? This course gives an introduction to the skills needed by entrepreneurs in order to start a new venture based on an innovative idea. This course is Pass/Fail. Not eligible for CR/NCR option.

Prerequisite: 4.0 FCEs in any subject

Exclusion: RSM100H1

Recommended Preparation: No particular preparation needed.

Although the topics relate to science innovations, the course is targeted at students from all disciplines, who are interested in using innovations. This includes science, social sciences and humanities students, mirroring the roles of these individuals in enterprises. Because this is an introductory course, students who have previously taken business or entrepreneurial courses are strongly discouraged from registering in this course.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IVP210H1 - Holography for 3D Visualization

Hours: 24L/36P

An introduction to the theory and practice of holography. Human perception & 3D visualization; fundamentals of 3D modeling; ray and wave optics; interference, diffraction, coherence; transmission and reflection holograms; colour perception; stereograms. Applications of holography in art, medicine, and technology. Computer simulation, design, and construction of holograms.

Exclusion: JOP210H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

IMC299Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Science; Social Science

IMC391H1 - Exploring New Ventures

Hours: 12L/48P

This experiential learning course allows students to explore the inner working of new venture companies. The majority of the course consists of a placement with Toronto-based start-ups, with oversight from the Impact Centre. In-class activities facilitate the application of entrepreneurial tools to develop the students' entrepreneurial skills.

Prerequisite: 8.0 FCEs in any subject.

Corequisite: IMC200H1/ RSM100H1/ MGT100H1

Exclusion: IMC390Y1, IMC392Y1

Recommended Preparation: Although the internships often relate to science innovations, they are targeted at students from all disciplines. This includes science and engineering, social sciences and humanities students, mirroring the roles of these individuals in enterprises.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IMC392Y1 - Exploring New Ventures

Hours: 12L/96P

This experiential learning course allows students to explore the inner working of new venture companies. The majority of the course consists of a placement with Toronto-based start-ups, with oversight from the Impact Centre. In-class activities facilitate the application of entrepreneurial tools to develop the students' entrepreneurial skills.

Prerequisite: 8.0 FCEs in any subject.

Corequisite: IMC200H1/ RSM100H1/ MGT100H1

Exclusion: IMC390Y1, IMC391H1

Recommended Preparation: Although the internships often relate to science innovations, they are targeted at students from all disciplines. This includes science and engineering, social sciences and humanities students, mirroring the roles of these individuals in enterprises.

Distribution Requirements: Science; Social Science

Breadth Requirements: Society and its Institutions (3)

IMC399Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Indigenous Studies

Faculty List

Associate Professors

S. Hill
R. Kuokkanen
A. McKay
C. Suzack

Assistant Professors

R. DeCaire
A. Key Jr.

Introduction

Indigenous Studies is an interdisciplinary undergraduate program dedicated to the study and research of Indigenous peoples in Canada and throughout the world. The program offers courses that engender a rigorous and respectful understanding of Indigenous peoples' languages, knowledges, cultures, histories, politics, arts, intellectual traditions and research methodologies. INS offers Specialist, Major, and Minor Programs within the Faculty of Arts & Science. Students are encouraged to seek counselling and information about this program from indigenous.studies@utoronto.ca or on our website at <https://www.indigenousstudies.utoronto.ca>.

Indigenous Studies Programs

Indigenous Studies Specialist (Arts Program) - ASSPE0115

Completion Requirements:

(10 full courses or their equivalents, including at least one 400+level course)

1. INS201Y1
2. INS210Y1/ INS220Y1/ (INS230H1, INS231H1)
3. INS300Y1 and INS301Y1/ INS351Y1
4. INS390H1 and INS460H1
5. Four additional full-course equivalents from Group A (note: some of these courses have prerequisites)
6. One additional FCE from Group A or Group B below (note: some of these courses have prerequisites)
7. For numbers 5 and 6 above, 2 FCE's must be at the 300 level and .5 FCE at the fourth year level.

Note: A student who wishes to complete their program in four years should take at least two courses in Indigenous Studies each year for the first two years, for example, INS201Y1 and INS210Y1/ INS220Y1/ INS230H1 and INS231H1 the first year; INS300Y1 and another 300 level course from ABS the second year; INS301Y1/ INS351Y1 (offered in alternative years) and another 300 level course from INS the third year; and a four hundred level INS or JFP course; or one 400 level half course and one 300 level course in their final year.

Indigenous Studies Major (Arts Program) - ASMAJ0115

Completion Requirements:

(7 full courses or their equivalent, including at least two 300+level courses)

1. INS201Y1
2. INS210Y1/ INS220Y1/ INS230H1 and INS231H1
3. INS300Y1 and INS301Y1/ INS351Y1
4. INS390H1
5. Two additional full-course equivalents from INS or JFP (note: some of these courses have prerequisites)
6. One additional .5 FCE from Group A or one .5 FCE from Group B below (note: some of these courses have prerequisites)
7. Of the courses chosen, at least 2 FCE must be at the 300+ level and .5 FCE at the 400 level.

Note: A student who wishes to complete their program in four years should take at least two courses in Indigenous Studies each year for the first two years, for example, INS201Y1 and INS210Y1/ INS220Y1/ INS230H1 and INS231H1 the first year; INS300Y1 and another 300 level course from ABS the second year; INS301Y1/ INS351Y1 (offered in alternative years) and another 300 level course from INS the third year; and a four hundred level INS or JFP course; or one 400 level half course and one 300 level course in their final year.

Indigenous Studies Minor (Arts Program) - ASMIN0115

Completion Requirements:

(4 full courses or their equivalent, including at least one full-course equivalent at the 300+-level)

1. INS201Y1
2. INS300Y1/ INS301Y1/ INS351Y1
3. One additional full-course equivalent from INS or JFP (note: some of these courses have prerequisites)
4. One additional full-course equivalent from Group A below (note: some of these courses have prerequisites)

Note: A student who wishes to complete their program in four years should take at least two courses in Indigenous Studies each year for the first two years, for example, INS201Y1 and INS210Y1/ INS220Y1/ INS230H1 and INS231H1 the first year; INS300Y1 and another 300 level course from the second year; INS301Y1/ INS351Y1 (offered in alternative years) and another 300 level course from INS the third year; and a four hundred level INS or JFP course; or one 400 level half course and one 300 level course in their final year.

Course Groups

Group A

- INS200H1 Introduction to Indigenous Truth and Resilience
- INS201Y1 Introduction to Indigenous Studies: Foundations, History and Politics
- INS205H1 Indigenous Worldviews, Spiritual and Healing Traditions

- [INS210Y1 Introduction to Anishinaabemowin](#)
- [INS215Y1 Introduction to an Indigenous Language of Canada](#)
- [INS220Y1 Introduction to an Iroquoian Language](#)
- [INS230H1 Introduction to Inuktitut](#)
- [INS231H1 Elementary Inuktitut](#)
- [INS240Y1 Ecological Interactions: Intro to Indigenous and Western Sciences](#)
- [INS250H1 Indigenous Environmental Science and Practice \(formerly Indigenous Environmental Education\)](#)
- [INS261H1 Contemporary Challenges Facing Indigenous Communities](#)
- [INS300Y1 Worldviews, Indigenous Knowledges, and Oral Tradition](#)
- [INS301Y1 Native Language and Culture](#)
- [INS302H1 Indigenous Representation in the Mass Media and Society](#)
- [INS310Y1 Anishinaabemowin II](#)
- [INS322H1 Indigenous Narratives of Empowerment](#)
- [INS323Y1 Intermediate Iroquoian Language](#)
- [INS340Y1 Indigenous Health Science](#)
- [INS341H1 North American Indigenous Theatre](#)
- [INS350H1 Indigenous Health Systems](#)
- [INS351Y1 Indigenous Legends & Teaching](#)
- [INS352H1 Indigenous Leadership, Policy and Practices in Canada](#)
- [INS355H1 Current Issues in Indigenous Environment and Health](#)
- [INS352H1 Indigenous Leadership, Policy and Practices in Canada](#)
- [INS353H1 First Nations Politics in Canada](#)
- [INS354H1 Indigenous Governance and Self-Determination](#)
- [INS360Y1 Politics and Process of Reconciliation in Canada](#)
- [INS371H1 Topics in Indigenous Literatures](#)
- [INS372H1 Special Topics in Indigenous Language](#)
- [INS390H1 Research and Ethics in Indigenous Studies](#)
- [INS398H0 Research Excursions](#)
- INS399Y0
- [INS491Y1 Topics in International Indigenous Studies](#)
- [INS402H1 Traditional Indigenous Ecological Knowledge](#)
- [INS403H1 Indigenous Peoples and the Urban Context](#)
- [INS404H1 Anishinaabewin Intellectual Traditions, Narrative and Culture](#)
- [INS405H1 Indigenous Thought & Expression: Creative Non-fiction](#)
- [INS407H1 Indigenous/Canadian Relations in Environmental and Resource Management](#)
- [INS460H1 Indigenous Theory, Research and Methods](#)
- [INS491Y1 Topics in International Indigenous Studies](#)
- [INS493H1 Independent Experiential Studies](#)
- [INS494Y1 Independent Experiential Studies](#)
- [INS495Y1 Independent Research](#)
- [INS496H1 Independent Research](#)
- [INS497H1 Independent Research](#)
- [INS498Y1 Independent Research](#)
- [ANT315H1 Arctic Archaeology](#)
- [ANT327H1 "Diversity": Critical/Comparative Studies of Indigeneity, Multiculturalism and \(Settler\) Colonialism](#)
- [ANT384H1 Special Topics in Society, Culture and Language](#)
- [ANT388H1 Anthropologists and Indigenous Peoples in North America](#)

- [ANT458H1 Settler-Colonialism and Indigenous Health in Canada](#)
- ENG254Y1
- ENG355H1
- [HIS262H1 Canada: A Short History of Here](#)
- [HIS366H1 Aboriginal Peoples of the Great Lakes from 1815 to the Present](#)
- [HIS369H1 Aboriginal Peoples of the Great Lakes from 1500 to 1830](#)
- [HIS419H1 Canada By Treaty: Alliances, Title Transfers and Land Claims](#)
- [HIS472H1 Indigenous-Newcomer Relations in Canadian History](#)
- [GGR321H1 Indigenous Worlds, Worldviews and the Environment](#)
- [JFP450H1 Indigenous Issues in Health and Healing](#)
- [LIN458H1 Revitalizing Languages](#)
- [POL308H1 Indigenous Politics in Canada](#)
- [WGS395H1 Indigeneity\(s\), hub spaces and decolonization](#)

Group B

- [ANT200Y1 Introduction to Archaeology](#)
- [ANT204H1 Social Cultural Anthropology and Global Issues](#)
- [ANT319Y1 Archaeology of North America](#)
- [ANT311Y1 Archaeological Fieldwork](#)
- [ANT348H1 Medical Anthropology: Social- Cultural Perspectives](#)
- [ANT366H1 Anthropology of Activism and Social Justice](#)
- [ANT410H1 Hunter-Gatherers Past & Present](#)
- [HIS106Y1 The African Diaspora in the Americas, 1492-1804](#)
- [HIS263Y1 Introduction to Canadian History](#)
- [HIS318H1 The "Wild" West in Canada](#)
- [HIS365H1 History of the Great Lakes Region](#)
- [HIS402H1 Canada and Decolonization](#)
- [JHN323H1 Indigeneity in the Caribbean](#)
- [LIN351H1 Sociolinguistic Patterns in Language](#)
- [NEW225H1 Caribbean Societies](#)
- [NEW226H1 Caribbean Political Thought](#)
- [NEW240Y1 Introduction to Equity Studies](#)
- [RLG307H1 Museums and Material Religion](#)

Faculty of Arts & Science Language Citation

Indigenous Studies participates in the Faculty of Arts & Science Language Citation Initiative for Anishinaabemowin. The study of the Anishinaabe language is a demanding and intellectually rewarding educational experience. Successful study of this language demonstrates intelligence, discipline, analytical sophistication, and an excellent memory. The study of any language provides invaluable insights into the varieties of human culture and expression.

In each language the Language Citation recognizes a significant level of achievement in language study with a high level of academic success. The Citation in Anishinaabemowin is available to students who complete [INS210Y1](#) and earn a grade of at least B- in [INS310Y1](#) and [INS301Y1/INS351Y1](#).

Students should note that, as explained in this Calendar, the Language Citation is not equivalent to an academic program and

that enrolment in a program is not necessary in order to earn the recognition bestowed by the Citation.

Indigenous Studies Courses

INS200H1 - Introduction to Indigenous Truth and Resilience

Hours: 24L/12T

This course is an interdisciplinary introduction to the historical and contemporary experiences of Indigenous peoples in Canada, with an emphasis on local lands and peoples. The course will explore Indigenous resilience, relationships with settlers and settler states, and principles and ethics of Indigenous Knowledge. Tutorials will focus on critical discussion and experiential learning.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

INS201Y1 - Introduction to Indigenous Studies: Foundations, History and Politics

Hours: 48L/24T

This course is designed to introduce students to the ideas, methods and themes of the discipline of Indigenous Studies. The development of the field of Indigenous Studies in Canada will form an important focus in the first half. The second part of the course will address "history and politics", including an overview of the historical processes of diplomacy, alliances, and treaty-making.

Exclusion: ABS201Y1- Introduction to Aboriginal Studies

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

INS205H1 - Indigenous Worldviews, Spiritual and Healing Traditions

Hours: 24L

This course will discuss the relationship between spiritual philosophies, beliefs, traditions and practices that contribute to meaning in Indigenous communities. This course will emphasize traditions and teachings and understanding the role of spirituality historically and within contemporary Indigenous societies, including governance, treaties, environment, culture, healing and everyday life.

Prerequisite: INS201Y1 or INS200H1

Exclusion: ABS205H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

INS210Y1 - Introduction to Anishinaabemowin

Hours: 72L

An introduction to the Anishinaabe language, including the syllabic writing system.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

INS215Y1 - Introduction to an Indigenous Language of Canada

Hours: 72L

This course will offer an introduction to one of Canada's Indigenous languages, including its writing system. Speaking skills will be emphasized.

Exclusion: ABS215H1; ABS215Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

INS220Y1 - Introduction to an Iroquoian Language

Hours: 72L

An introduction to one of the languages of the Iroquoian language family.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

INS230H1 - Introduction to Inuktitut**Hours:** 24L

An introduction to one dialect of Inuktitut, the language of the Inuit, including aspects of other dialects and the syllabic writing system.

Exclusion: ABS230H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**INS231H1 - Elementary Inuktitut****Hours:** 24L

This course builds on the introduction to Inuktitut from ABS230H. Emphasis will be placed on developing grammatical complexity and vocabulary in students oral skills, as well as dialect and cultural awareness.

Prerequisite: INS230H1**Exclusion:** ABS231H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**INS240Y1 - Ecological Interactions: Intro to Indigenous and Western Sciences****Hours:** 48L/72P

Introduction to methodologies and applications of Indigenous and Western sciences, with an emphasis on environmental change, animal behaviour, evolution, sustainable practices, and implications of intrinsic ecological connections. Exploratory labs, often outdoors, develop literacy and skills in each paradigm as well as critical thought, creative reflection, and synthesis of knowledge.

Prerequisite: INS201Y1**Exclusion:** ABS240Y1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**INS250H1 - Indigenous Environmental Science and Practice (formerly Indigenous Environmental Education)****Hours:** 24L

This course is a study of the ecological and scientific teachings of Indigenous peoples. The course provides an overview of Indigenous peoples' relationships with the natural world in historical and contemporary environmental issues and their implications for Indigenous Peoples and others.

Prerequisite: INS201Y1**Exclusion:** ABS250H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**INS261H1 - Contemporary Challenges Facing Indigenous Communities****Hours:** 24L

This is a survey course focusing on the contemporary challenges faced by Indigenous peoples in Canada. In this course students research specific challenges facing Indigenous communities today. This includes specific challenges that arise out of the broader topic areas of language and culture, land rights, economics, governance, youth, education, health, social services, environment, violence, healing, community development, repatriation of cultural property, and decolonization.

Prerequisite: INS201Y1**Exclusion:** ABS261H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**INS300Y1 - Worldviews, Indigenous Knowledges, and Oral Tradition****Hours:** 48L

A study of the languages and culture of Indigenous peoples through exploration of oral histories, from creation stories until present times, including the role of oral history and methods for studying oral history through accounts told by elders.

Prerequisite: 5 FCE including INS201Y1, plus one additional INS full course equivalent**Exclusion:** ABS300Y1**Distribution Requirements:** Humanities; Social Science**Breadth Requirements:** Creative and Cultural Representations (1)

INS301Y1 - Native Language and Culture**Hours:** 48L

Examination of the historical interplay of Indigenous languages and cultures in Canada. Particular focus is on the language and culture of an Indigenous people of Ontario.

Prerequisite: 5 FCE including INS201Y1, plus one additional INS full course equivalent

Exclusion: ABS301Y1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Creative and Cultural Representations (1)

INS322H1 - Indigenous Narratives of Empowerment**Hours:** 24L

This course explores Indigenous decolonization and empowerment by analysing comparatively theoretical and literary debates that focus on issues of sovereignty, gender, grass-roots activism, and anti-racism. It analyses several emerging paradigm approaches to this set of debates including intersectional critical-race theory, Indigenous feminisms, and decolonization practices in theoretical and literary texts.

Prerequisite: 8 FCE including INS201Y1, plus one additional INS full course equivalent

Exclusion: ABS322H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Creative and Cultural Representations (1)

INS302H1 - Indigenous Representation in the Mass Media and Society**Hours:** 24L

A survey of historical and contemporary representations of Indigenous people in the mass media. Introduction to basic techniques for evaluating, analyzing, and understanding the construction of Nativeness as it is communicated through film, television, and other media. Examination of racial stereotypes and the role of mass communication in perpetuating and challenging stereotypes, cultural appropriation, Indigenous media production, impact of media portrayal of Indigenous peoples.

Prerequisite: 8 FCE including INS201Y1, plus one additional INS full course equivalent

Exclusion: ABS302H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Creative and Cultural Representations (1)

INS323Y1 - Intermediate Iroquoian Language**Hours:** 72L

Further study of an Iroquoian language.

Prerequisite: INS220Y1

Exclusion: ABS323Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

INS331H1 - Indigenous Music: Technical and Theoretical Aspects**Hours:** TBA

Contemporary and historical musical theory of sacred spiritual ceremonial music and social-public performance practices of Indigenous people of North America. This course will have a participatory emphasis on the music of the Haudenosaunee (Longhouse People) of the Great Lakes.

Prerequisite: 8 FCE including INS201Y1, plus one additional INS course equivalent

Exclusion: ABS331H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

INS310Y1 - Anishinaabemowin II**Hours:** 72L

Further study of the Anishinaabe language with emphasis on speaking and writing.

Prerequisite: INS210Y1

Exclusion: ABS310Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

INS340Y1 - Indigenous Health Science**Hours:** 48L/48P

This course is themed in six-week quarters addressing four aspects of Western Science (basic, applied, clinical and population health). Within each quarter, the Western Science theme is examined holistically using Indigenous Science and the four aspects of the Medicine Wheel (physical, mental, emotional, spiritual).

Prerequisite: 8 FCE including INS201Y1, plus one additional INS full course equivalent

Exclusion: ABS340Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

INS351Y1 - Indigenous Legends & Teaching**Hours:** 24L

An introduction to laws of Indigenous societies, focusing on the Anishinaabe, as seen through legends and teachings.

Prerequisite: 5 FCE including INS201Y1, plus one additional INS full course equivalent

Exclusion: ABS351Y1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Creative and Cultural Representations (1)

INS341H1 - North American Indigenous Theatre**Hours:** 24L

An introduction to the evolution of Indigenous theatre in North America, examining traditional oratory, ceremony, community responsibility, and social construct and their impact on current Indigenous theatre.

Prerequisite: 8 FCE including INS201Y1, plus one additional INS full course equivalent

Exclusion: ABS341H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

INS352H1 - Indigenous Leadership, Policy and Practices in Canada**Hours:** 24L

A historical and contemporary overview of leadership and politics in First Nation, Inuit and Metis communities in Canada. This course will focus on pre-contact governance structures, contemporary effects of colonization, and processes and strategies for decolonization. Various policy initiatives from Indigenous organizations will be examined.

Prerequisite: 5 FCE, including INS201Y1 and one additional INS designator full course equivalent.

Exclusion: ABS352H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

INS350H1 - Indigenous Health Systems**Hours:** 24L

An overview of Indigenous health systems, internationally, nationally, provincially and locally, with a focus on Ontario. Discussion of health models and strategies, policy, legislation, jurisdictional issues, Indigenous health initiatives.

Prerequisite: 8 FCE including INS201Y1 or INS200H1

Exclusion: ABS350H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

INS353H1 - First Nations Politics in Canada**Hours:** 24L

This course examines recent trends in First Nations politics and their effects on the social, economic and political lives of First Nations Peoples. It provides students with an in-depth understanding of the socio-political and cultural context for First Nations societies in contemporary settings. It explores the legacies of the *Indian Act*, the tabling of the 1969 White Paper and responses to it, the emergence of current Indigenous political movements, Constitutional issues, and First Nations citizenship.

Prerequisite: 5 FCE, including INS201Y1 and one additional INS designator full course equivalent

Exclusion: ABS353H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

INS354H1 - Indigenous Governance and Self-Determination

Hours: 24L

This course examines the theory and practice of Indigenous governance and self-determination in Canada and abroad. It studies forms of Indigenous governance and self-determination past, present and future, with a special section on Indigenous self-government agreements in Canada.

Prerequisite: INS353H1 or equivalent or permission of instructor

Exclusion: ABS354H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

INS371H1 - Topics in Indigenous Literatures

Hours: 24S

This seminar provides an in-depth examination of Indigenous literatures in a comparative context. Content in any given year depends on the instructor. See Indigenous Studies website for more details.

Prerequisite: 8 FCE, including INS201Y1

Exclusion: ABS371H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

INS355H1 - Current Issues in Indigenous Environment and Health

Hours: 24L

This course will examine current views about Indigenous peoples' health and relationship to environment. The course will focus on Indigenous people's perceptions of health and contemporary health systems, including policy, politics and practices.

Prerequisite: 8 FCE, including INS201Y1, plus one additional INS designator course

Exclusion: ABS355H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

INS372H1 - Special Topics in Indigenous Language

Hours: 36S

This seminar provides an indepth examination of Indigenous language revitalization efforts in Canada and internationally. Content in any given year depends on the instructor. See Indigenous Studies website for more information.

Prerequisite: 8 FCE, including INS201Y1 and INS210Y1/INS220Y1/(INS230H1 and INS231H1)

Exclusion: ABS372H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Creative and Cultural Representations (1)

INS360Y1 - Politics and Process of Reconciliation in Canada

Hours: TBA

This course uses relationship-building methodologies to develop skills to examine and explore the concept and processes, practice and promises of reconciliation. Through class discussion/seminars, guest speakers, and comparative readings in: Canadian and Indigenous colonial history; the findings of the Canadian Truth and Reconciliation Commission's Calls for Action; the Human Rights Tribunal Decision (Cindy Blackstock decision, January 26, 2016) on the Welfare of Indigenous Children; the rise of Indigenous solidarity movements in Canada , students will examine reconciliation and determine whether it is a different process than 'decolonization'.

Prerequisite: INS201Y1, or permission of instructor

Exclusion: ABS360Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

INS390H1 - Research and Ethics in Indigenous Studies

Hours: 24S

This course examines research approaches, strategies, methods and techniques used in Indigenous studies. It explores a range of topical issues including research ethics and protocols, intellectual property rights, research agreements and community-based research. This course includes the study of quantitative, qualitative and Indigenous methodologies. Critically examines research theories, methodologies and practices used by academic disciplines to study Indigenous peoples. Decolonized research methodologies will form a focus of this course.

Prerequisite: 8 FCEs, including INS201Y1 and at least one additional INS designator full course equivalent

Exclusion: ABS390H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

INS398H0 - Research Excursions**Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Prerequisite: 8 FCE including INS201Y1**Exclusion:** ABS398H0**Distribution Requirements:** Social Science**INS403H1 - Indigenous Peoples and the Urban Context****Hours:** 24S

Critically examines Indigenous peoples' experiences, encounters and interactions in urban areas in Canada. This course explores the historical and contemporary conditions of Indigenous peoples, including urban governance and the development of Indigenous organizations. This course will focus on youth perspectives and how traditions, cultures and knowledges are expressed in urban settings.

Prerequisite: 10 FCEs, INS201Y1 plus two additional full-course equivalents in INS**Exclusion:** ABS403H1**Distribution Requirements:** Humanities; Social Science**Breadth Requirements:** Society and its Institutions (3)**INS398Y0 - Research Excursions****Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Prerequisite: 8 FCE including INS201Y1**Exclusion:** ABS399Y0**Distribution Requirements:** Social Science**INS404H1 - Anishinaabewin Intellectual Traditions, Narrative and Culture****Hours:** 24S

An examination of oral narratives with an emphasis on the significance of language. This course will give students an indepth understanding of Anishinaabewin philosophies, teachings and values.

Prerequisite: 10 FCE, including INS201Y1 and at least two additional INS designator full course equivalents.**Exclusion:** ABS404H1**Distribution Requirements:** Humanities; Social Science**Breadth Requirements:** Creative and Cultural Representations (1)**INS402H1 - Traditional Indigenous Ecological Knowledge****Hours:** 36L

An overview of the relationships between Indigenous peoples and their environments, including an exploration of cultural, historical, and contemporary aspects of Indigenous environmental philosophies; the nature, control and transmission of Traditional Ecological Knowledge (TEK), and historical uses of TEK in managing the environment.

Prerequisite: 10 FCE, INS201Y1, plus two additional full-course equivalents in INS**Exclusion:** ABS402H1**Distribution Requirements:** Humanities; Social Science**Breadth Requirements:** Thought, Belief and Behaviour (2)**INS405H1 - Indigenous Thought & Expression: Creative Non-fiction****Hours:** 24S

An investigation of (Anishnaabe, Iroquoian, Athapaskan, Salish), examined through the study of research and writing of creative-nonfiction.

Prerequisite: 10 FCEs, INS201Y1 plus two additional full-course equivalents in INS**Exclusion:** ABS405Y1; ABS405H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)

INS407H1 - Indigenous/Canadian Relations in Environmental and Resource Management

Hours: 36L

This course will explore the relationship between Indigenous and non-Indigenous peoples in Canadian society from pre-European contact to the present. The relationship between Indigenous and non-Indigenous peoples in Canada shapes historical and current views of environmental and resource management in a variety of ways. Economic, environmental, political, social and cultural aspects will be discussed. *This course will be offered in conjunction with JPG1419, a graduate course in the Department of Geography and Program in Planning.*

Prerequisite: Completion of at least 14 FCE, including INS201Y1 and at least two additional INS designator full course equivalents or GGR321H1. Permission of the instructor is required.

Exclusion: ABS407H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

INS491Y1 - Topics in International Indigenous Studies

Hours: 48S

This seminar provides an in-depth examination of Indigenous studies in international contexts. Content in any given year depends on the instructors. See Indigenous Studies website for more detail. Not eligible for CR/NCR option.

Prerequisite: INS201Y1 and two additional INS designator full-course equivalents.

Exclusion: ABS491Y1

Recommended Preparation: INS360Y1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

INS493H1 - Independent Experiential Studies

Hours: TBA

Students design and implement an independent experiential Indigenous studies research project in consultation with an Indigenous organization and a faculty supervisor. Enrolment requires written permission from a faculty supervisor and Director of Indigenous Studies. Not eligible for CR/NCR option.

Prerequisite: 10 FCEs, completed INS390H1 and enrolled in a major or specialist program in Indigenous Studies

Exclusion: ABS493H1

Distribution Requirements: Humanities; Social Science

INS494Y1 - Independent Experiential Studies

Hours: TBA

Students design and implement an independent experiential Indigenous studies research project in consultation with an Indigenous organization and a faculty supervisor. Enrolment requires written permission from a faculty supervisor and Director of Indigenous Studies. Not eligible for CR/NCR option.

Prerequisite: 10 FCEs, completed INS390H1 and enrolled in a major or specialist program in Indigenous Studies

Exclusion: ABS494Y1

Distribution Requirements: Humanities; Social Science

JFP450H1 - Indigenous Issues in Health and Healing

Hours: 24L

This course consists of an examination of health and healing from a holistic perspective (mental, physical, emotional, spiritual) and how colonialism, culture, and public policy have impacted the health of Indigenous peoples in the present day. This course is built around a case-based project in which students working in interdisciplinary groups take on the role of a traditional Indigenous healer, and then assess their healing strategy from a biomedical perspective.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

INS460H1 - Indigenous Theory, Research and Methods

Hours: 36L

This course explores the basis of Indigenous knowledge and how that translates into research theory and methodology. Students will design a research project, consider Indigenous research governance and conduct an ethics review. This is a service learning course. This course is only open to students enrolled in a Specialist or Major in Indigenous Studies.

Prerequisite: 10 FCEs, including INS201Y1 and INS390H1, and at least one additional INS designator full course equivalent.

Exclusion: ABS460Y1; ABS460H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

INS495Y1 - Independent Research

Hours: TBA

Supervised independent research on a topic agreed on by the student and the supervisor before enrolment in the course. Available only when someone is willing and able to supervise. Not eligible for CR/NCR option.

Prerequisite: INS201Y1 plus one additional INS designator full-course equivalent

Exclusion: ABS495Y1

Distribution Requirements: Humanities; Social Science

INS496H1 - Independent Research

Hours: TBA

Supervised independent research on a topic agreed on by the student and the supervisor before enrolment in the course. Available only when someone is willing and able to supervise. Not eligible for CR/NCR option.

Prerequisite: INS201Y1 plus one additional INS designator full-course equivalent

Exclusion: ABS496H1

Distribution Requirements: Humanities; Social Science

INS497H1 - Independent Research

Hours: TBA

Supervised independent research on a topic agreed on by the student and the supervisor before enrolment in the course. Available only when someone is willing and able to supervise. Not eligible for CR/NCR option.

Prerequisite: INS201Y1 plus one additional INS designator full-course equivalent

Exclusion: ABS497H1

Distribution Requirements: Humanities; Social Science

INS498Y1 - Independent Research

Hours: TBA

Supervised independent research on a topic agreed on by the student and the supervisor before enrolment in the course. Available only when someone is willing and able to supervise. Not eligible for CR/NCR option.

Prerequisite: INS201Y1 plus one additional INS designator full-course equivalent

Exclusion: ABS498Y1

Distribution Requirements: Humanities; Social Science

Centre for Industrial Relations and Human Resources

Faculty List

Professor Emeriti

F.J. Reid, MSc, Ph D
M.G. Gunderson, MA, PhD

Associate Professor, Teaching Stream Emeritus

L. Riznek, MA, Ph D

Professors

† A. Verma, BTech, MBA, Ph D
† A.M. Saks, BA, MSc, PhD

Associate Professor and Director

R. Gomez, MA, MIR, Ph D

Assistant Professors

S. Campero, MS, MBA, PhD
D. Pohler, BCom, Ph D
G. M. Distelhorst, BA, PhD

Lecturer

H. Wang, BSc, MSc, PhD

† Cross-appointed

Introduction

Since 1965, the Centre for Industrial Relations and Human Resources (CIRHR) has brought together professors from many different disciplines and departments at the University of Toronto to teach and conduct research on all aspects of work, the workplace, labour markets and labour relations. The CIRHR's graduate programs rank among the best in North America and its faculty reflects the depth, breadth and diversity of our university.

The overarching goal of the undergraduate program in Industrial Relations and Human Resources is to offer an interdisciplinary learning opportunity in which to study the 'world of work and employment' in a Canadian and global context from the perspectives of economics, history, law, management, political science, psychology and sociology. The program provides students with a theoretical background and knowledge of current developments in the field that will serve as a basis for careers areas such as: a Human Resources Generalist, Recruitment Specialist, HR Consultant, Employment Equity Officer, Training and Development Consultant, Corporate Trainer, Policy Advisor in the Ministry of Labour, Union Representative and Labour Relations Specialist. The undergraduate program in IRHR is also a perfect platform from which to enter post-graduate programs in Industrial Relations and Human Resources, Law with a specialisation in labour and employment, as well as policy and labour studies programs.

Students are encouraged to use the resources available in both the CIRHR Library and Career Centre in order to investigate current labour market trends and career options in Industrial Relations and Human Resources. In Ontario, Human Resources Professionals Association (HRPA) regulates the HR profession and issues the

Certified Human Resources Professional (CHRP) designation, the national standard for excellence in human resources management. IRHR students are also encouraged to explore the services offered by HRPA. The IRHR Program Office is located in Woodsworth College and students continue to benefit from the rich academic support services and facilities available at the College.

Program Office | Woodsworth College
119 St. George Street - Room 236 | Toronto ON M5S 1A9
416.978.5783
IRHR@utoronto.ca
<http://www.cirhr.utoronto.ca/>

Regarding Program Enrolment

Admission to major and specialist programs will be determined by a student's mark in specific courses. These are limited enrolment programs that can only accommodate a limited number of students. Achieving the marks required does not necessarily guarantee admission to the program in any given year. Requests for admission will be considered in the first program request period only. For detailed program application instructions, please consult the Arts & Science Program Toolkit. Do not change your program after year 3 if you are required to complete your degree in four years as prerequisites and program requirements will not be waived. Due to the limited enrolment nature of this program students are strongly advised to enroll in backup programs.

Industrial Relations and Human Resources Programs

Industrial Relations & Human Resources - Specialist Program (Arts Program) - ASSPE1536

Enrolment Requirements:

The Industrial Relations & Human Resources (formerly Employment Relations) specialist is a limited enrolment program and achieving the minimum mark threshold does not guarantee admission to the specialist in any given year. The precise mark threshold is an estimate of what will be required in the Spring program admission cycle.

Due to the limited enrolment nature of this program students are strongly advised to enroll in backup programs. Requests for admission will be considered in the first program request period only which takes place in the Spring. Please check the Faculty of Arts and Science's Program Enrolment page for further instructions.

Applying after first year:

1. Completion of at least four full-course equivalents
2. ECO101H1 and ECO102H1 with a combined estimated average of 67% or a minimum 80% in ECO105Y1
3. 1.0 FCE from SOC100H1/ SOC150H1/ PSY100H1 with a combined estimated average of 70%

Applying after second year:

1. ECO101H1 and ECO102H1 with a combined estimated average of 67% or a minimum 80% in ECO105Y1
2. 1.0 FCE at the 200+ level in SOC with a combined estimated average of 73%. The SOC courses must be taken in the Fall and Winter terms immediately preceding the Spring program admission cycle.

Completion Requirements:

The following requirements apply to students admitted to the Industrial Relations & Human Resources (IRHR) specialist in 2018.

The specialist requires ten courses (10.0 FCEs) including a minimum of 4.0 FCEs must be at the 300+ level. Of these, at least 1.0 "IRE" FCE must at the 400 level. A course taken on a CR/NCR basis may not be used to satisfy program requirements.

1. ECO101H1 and ECO102H1 or ECO105Y1
2. 1.0 FCE from SOC100H1/ SOC150H1/ PSY100H1
3. All of IRE240H1, IRE244H1, IRE260H1, IRE339H1, IRE430H1, IRE431H1
4. 1.0 FCE from Group A
5. 1.0 FCE from Group B
6. 0.5 FCE from Group C
7. 0.5 FCE from Group D
8. Additional courses (excluding those already counted) from Groups C and D for a total of 10.0 FCEs.

Group A: ECO321Y1 (or equivalent)/ HIS263Y1/ POL214Y1

Group B: ECO220Y1/ IRE379H1/ PSY201H1/ PSY202H1/

SOC202H1

Group C: IRE444H1/ IRE446H1/ IRE447H1/ IRE472H1

Group D: GGR221H1/ HIS313H1/ INI300H1/ IRE242H1/ IRE332Y0/
IRE342H1/ IRE344H1/ IRE345H1/ IRE346H1/ IRE347H1/
IRE348H1/ IRE349H1/ IRE367H1/ IRE378H1/ IRE395H1/
IRE396H1/ IRE432Y0/ IRE493H1/ IRE494H1/ JGI216H1/
SOC207H1/ SOC366H1/ SOC367H1/ SOC439H1

Notes:

1. A maximum of 1.0 FCE in IRE395H1 and IRE396H1 can count toward the IRHR specialist program.
2. ECO program students may use ECO339H1 in lieu of IRE339H1. Please contact the Program Office to have the course counted towards the IRHR program requirements.
3. Non "IRE" coded courses are offered by other departments. These courses may be available only to students who have completed specified prerequisites or who are enrolled in a program sponsored by the department offering the course. Check the Faculty of Arts and Science's timetable for details.

Industrial Relations & Human Resources - Major (Arts Program) - ASMAJ1536

Enrolment Requirements:

The Industrial Relations & Human Resources (formerly Employment Relations) major is a limited enrolment program and achieving the minimum mark threshold does not guarantee admission to the major in any given year. The precise mark threshold is an estimate of what will be required in the Spring program admission cycle.

Due to the limited enrolment nature of this program students are strongly advised to enroll in backup programs. Requests for admission will be considered in the first program request period only which takes place in the Spring. Please check the Faculty of Arts and Science's Program Enrolment page for further instructions.

Applying after first year:

1. Completion of at least four full-course equivalents.
2. ECO101H1 and ECO102H1 or ECO105Y1
3. 1.0 FCE from SOC100H1/ SOC150H1/ PSY100H1
4. The estimated mark threshold in these 2 FCEs is a combined average of 65%.

Applying after second or third year:

1. ECO101H1 and ECO102H1 or ECO105Y1
2. 1.0 FCE at the 200+ level in SOC taken in the Fall and Winter terms immediately preceding the Spring program admission cycle.
3. The estimated mark threshold in these 2 FCEs is a combined average of 70%.

Completion Requirements:

The following requirements apply to students admitted to the Industrial Relations & Human Resources major in 2018.

The major requires seven courses (7.0 FCEs) including 2.0 FCEs at the 300+ level of which 0.5 FCE must be at the 400-level. A course taken on a CR/NCR basis may not be used to satisfy program requirements.

First Year:

1. ECO101H1 and ECO102H1 or ECO105Y1
2. 1.0 FCE from SOC100H1/ SOC150H1/ PSY100H1

Higher Years:

3. All of IRE240H1, IRE244H1, IRE260H1, IRE430H1, IRE431H1
4. 0.5 FCE IRE 300-level course from Group A
5. Additional courses from Groups A and B for a total of 7.0 FCEs

Group A: IRE339H1/ IRE346H1/ IRE347H1/ IRE348H1/ IRE367H1/
IRE378H1/ IRE379H1

Group B: ECO220Y1/ GGR221H1/ HIS313H1/ INI300H1/
IRE242H1/ IRE332Y0/ IRE342H1/ IRE344H1/ IRE345H1/
IRE349H1/ IRE395H1/ IRE396H1/ IRE432Y0/ IRE444H1/
IRE446H1/ IRE447H1/ IRE472H1/ IRE493H1/ IRE494H1/
JGI216H1/ PSY201H1/ PSY202H1/ SOC202H1/ SOC207H1/
SOC366H1/ SOC367H1/ SOC439H1

Notes:

1. A maximum of 1.0 FCE in IRE395H1 and IRE396H1 may count toward the Industrial Relations and Human Resources (IRHR) major program.
2. ECO program students may use ECO339H1 in lieu of IRE339H1. Please contact the Program Office to have the course counted towards the IRHR major program requirements.
3. Non "IRE" coded courses are offered by other departments. These courses may be available only to students who have completed specified prerequisites or who are enrolled in a program sponsored by the department offering the course. Check the Faculty of Arts and Science's timetable for details.

Not all courses are offered every year. Please check the [timetable](#) for current course offerings and enrolment restrictions/conditions. Students without course prerequisites may be removed at any time they are discovered. Course descriptions, prerequisites, corequisites and exclusions are listed below.

Industrial Relations and Human Resources Courses

IRE199H1 - Why We Work: Understanding Work Through the Prism of Art & Culture

Hours: 24S

Why do we work? What does work mean to the average person? These questions are not as straightforward as they appear. We work for the bulk of our lives and most of our days are spent with coworkers who are neither family nor our closest friends, but we often fail to realize how self-defining work really is. This speaks to work's centrality but also to its invisibility in reflective discourse. However, through "popular" representations of work (e.g., such as in story-telling, cave drawings, hieroglyphs, music, writing, painting, television, film, video games, etc.,) we can begin to better understand the meaning of work and how this has changed over time. Readings in anthropology, history, economics, sociology and employment relations plus film and art criticism will help us explore these questions from an interdisciplinary perspective; assignments will encourage students to reflect on their own experience of work. Developing strong analytical and communication skills is an important goal of the course. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IRE240H1 - Introduction to Employment Relations

Hours: 36L

An introduction to the study of the world of work and employment, the history and development of employment relations, its central theories and concepts; the behaviours, outcomes, practices and institutions that emerge from or affect the employment relationship; contemporary issues and comparative employment relations systems.

Prerequisite: Enrolment in the Industrial Relations & Human Resources program (ASSPE/ASMAJ1536) or 4.0 FCEs and a minimum cgpa of 2.3.

Exclusion: WDW240H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IRE242H1 - HRM for Industrial Relations and HR Professionals

Hours: 12L/24P

This course explores the relationship between human resource management, employment relations, and industrial relations. Extensive practical course work will expose students to the functions human resource professionals execute to recruit, select, compensate, train, and evaluate the performance of employees. The course prepares students for advanced HR topics in upper level IRE courses.

Note: Course will not count towards Rotman Commerce program requirements.

Prerequisite: Enrolment in the Industrial Relations & Human Resources program (ASMAJ1536, ASSPE1536)

Exclusion: RSM361H1, RSM460H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IRE244H1 - Labour Relations

Hours: 36L

Introduction to the institutions, issues and legislation affecting the employment relationship in the public and private sectors in Canada, with emphasis on collective bargaining. The economic and political environment, history of the labour movement, union organization, certification, contract negotiation, strikes, dispute resolution, contract administration and grievances.

Prerequisite: Enrolment in the Industrial Relations & Human Resources program (ASSPE1536/ASMAJ1536) or 4.0 or more FCEs and a minimum cgpa of 2.3.

Exclusion: ECO244Y1, WDW244H1, WDW244Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IRE260H1 - Organizational Behaviour

Hours: 36L

Introduction to the nature of organizations and the behaviour of individuals and groups within organizations, including topics such as culture and diversity, reward systems, motivation, leadership, politics, communication, decision-making, conflict and group processes. Not recommended for students in Commerce programs.

Prerequisite: Enrolment in the Industrial Relations & Human Resources program (ASSPE1536/ASMAJ1536) or 4.0 or more FCEs and a minimum cgpa of 2.3

Exclusion: MGT262H1, RSM260H1, WDW260H1, WDW260Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IRE332Y0 - Topics in Employment Relations (Summer Abroad Program)

Hours: TBA

Topics in Employment Relations offered in an international setting. The content may vary from year to year. For more information check the [Summer Abroad](#) website.

Exclusion: WDW332Y0

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IRE344H1 - Topics in Employment Relations

Hours: 36L

Topics vary from year to year, but the objective of the course is to discuss current employment relations issues and their economic, legal, political and social implications.

Prerequisite: IRE244H1, IRE260H1. Additional prerequisites depending on topic.

Exclusion: WDW344H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IRE339H1 - Labour Markets and Public Policy

Hours: 36L

This course is designed to provide students in the Employment Relations program with knowledge of how the labour market affects the employment relationship. The basic tools of labour economics are developed and applied to various issues of organizational and government policy such as: the incentive effects of compensation arrangements, government income support programs, and minimum wage policy; the determinants of preferences for hours of work including job-sharing, overtime and retirement; the impacts of unions on compensation and productivity; public-sector employment and alternatives to the right to strike; discrimination in employment on the basis of gender and race as well as related government policies such as pay and employment equity. Note: IRE339H1 will not count towards an ECO program.

Prerequisite: ECO100Y1/ ECO105Y1

Exclusion: ECO239Y1, ECO339Y1, ECO339H1, WDW339H1, ECO261H5

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IRE345H1 - Topics in Employment Relations

Hours: 36L

Topics vary from year to year, but the objective of the course is to discuss current employment relations issues and their economic, legal, political and social implications.

Prerequisite: IRE244H1, IRE260H1. Additional prerequisites depending on topic.

Exclusion: WDW345H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IRE346H1 - HR Planning & Strategy

Hours: 36L

An understanding is developed of how essential elements of the human resource planning process support organizational goals and strategies. Topics such as environmental influences, job analysis, forecasting human resource needs and ascertaining supply, succession planning, downsizing and restructuring, mergers and acquisitions, outsourcing, and strategic international issues are examined.

Prerequisite: IRE240H1/ IRE244H1/ IRE260H1

Exclusion: WDW346H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IRE342H1 - Finance and Accounting for HR/IR Professionals

Hours: 24L/12T

This course introduces Employment Relations students to accounting and finance procedures and concepts used by Human Resources managers and Industrial Relations experts in organizations such as government, trade unions and companies. The course covers both managerial and financial accounting with an applied focus to the employment relations function within organizations. It is geared specifically to students who aspire to become HR/Labour Relations professionals where essential knowledge in finance and accounting is required. Note: Course will not count towards Rotman Commerce program requirements.

Prerequisite: 1.0 FCE from IRE240H1/ IRE242H1/ IRE244H1/ IRE260H1

Exclusion: MGT201H1, RSM222H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IRE347H1 - Training & Development

Hours: 36L

The role of training and development initiatives in organizations. Students acquire the knowledge and skills to conduct a training needs assessment, identify training objectives, explore strategies to increase the transfer of training, design and deliver a training activity using various training methodologies, and evaluate its effectiveness.

Prerequisite: IRE260H1

Exclusion: WDW347H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IRE367H1 - Compensation

Hours: 36L

The theory and process of developing and administering compensation systems. Through the core compensation principles of efficiency, equity, consistency and competitiveness we consider such topics as: job analysis, job evaluation, pay levels and structures, pay for performance, benefits, and compensating special groups of workers.

Prerequisite: IRE260H1/ RSM260H1

Exclusion: WDW367H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IRE348H1 - Recruitment & Selection

Hours: 36L

The principles, legal issues, and emerging trends affecting the recruitment process and selection of staff in organizations. Development of recruitment strategies, assessment of applications for employment, interviewing candidates, and the role of testing and measurement of competencies in making hiring decisions.

Prerequisite: IRE240H1/ IRE244H1/ IRE260H1

Exclusion: WDW348H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IRE378H1 - Employment Health

Hours: 36L

The influence of legislation, the labour market and collective bargaining on health policies and programs in the workplace. The rights and responsibilities of employers, employees, unions and governments for the regulation and promotion of workplace health and safety; and the implications of evolving demographic, economic, and social factors.

Prerequisite: IRE244H1/ IRE260H1

Exclusion: WDW378H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IRE349H1 - Topics in Employment Relations

Hours: 36L

Topics vary from year to year, but the objective of the course is to discuss current employment relations issues and their economic, legal, political and social implications.

Prerequisite: IRE244H1, IRE260H1. Additional prerequisites depending on topic.

Exclusion: WDW349H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IRE379H1 - Employment Relations Research & Human Resource Analytics

Hours: 36L

An introduction to fundamental quantitative and qualitative research methods to enable students to critically evaluate and conduct research in the labour field. The class will explore data-driven, analytical approaches to managing human resources using basic metrics, analysis, and interpretation of information that link human resource initiatives to various indicators of organizational performance.

Prerequisite: IRE240H1/ IRE244H1/ IRE260H1

Exclusion: WDW379H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IRE395H1 - Independent Study**Hours:** TBA

Independent study under the direction of a faculty member. Open only when a faculty member is willing and available to supervise. Application form is due one week before the start of term. Consult the program website for additional information. Not eligible for CR/NCR option.

Prerequisite: IRE244H1, IRE260H1 and 1 300H level IRE course. Minimum cgsa of 2.3. Approval of the Program Coordinator.

Exclusion: WDW395H1 Employment Relations

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IRE430H1 - Canadian Employment Law & the Non-Union Workplace**Hours:** 24L

The course will focus on the law governing employment in a non-unionized workplace. Specifically, it will cover every phase of the employment relationship from hiring to termination and beyond and the rights and obligations of employers and employees as developed by the Courts and under employment-related statutes (namely the Employment Standards Act, 2000 and the Human Rights Code.) The course will also cover provisions from the Occupational Health and Safety Act.

Prerequisite: IRE244H1 and 1 300H level IRE course

Exclusion: IRE430Y1, WDW430Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IRE396H1 - Research Participation**Hours:** TBA

Credit course for supervised participation in a faculty research project. Offered only when a faculty member is willing and available to supervise. Consult the program website for additional information. Not eligible for CR/NCR option.

Prerequisite: IRE244H1, IRE260H1 and 2 300H level IRE courses. Minimum cgsa of 2.5. Approval of the Program Coordinator.

Exclusion: WDW396H1 Employment Relations

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IRE431H1 - Canadian Labour Law & the Unionized Workplace**Hours:** 24L

The course will focus on the laws impacting unionized workplaces. It will cover every phase of the Ontario Labour Relations Act, 1995 (the "LRA") from union organizing, certification, negotiation and bargaining, collective agreement arbitration, retention of bargaining rights and decertification and termination of bargaining rights.

Prerequisite: IRE430H1

Exclusion: IRE430Y1, WDW430Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IRE399Y1 - Research Opportunity Program**Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

IRE432Y0 - Advanced Topics in Employment/Labour Relations (Abroad)**Hours:** TBA

Advanced topics in Employment Relations offered in an international setting. The content may vary from year to year. Offered by the Professional & International Programs Office.

Prerequisite: 13 FCEs including IRE244H1, IRE260H1 and 2 300H level IRE courses.

Exclusion: WDW432Y0

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IRE444H1 - Seminar in Employment Relations

Hours: 24S

An advanced seminar examining contemporary issues in the employment relations and human resources field. Topics vary from year to year, but the objective of the course is to discuss current issues and their economic, legal and social implications.

Prerequisite: IRE244H1, IRE260H1 and 2 300H level IRE courses

Exclusion: WDW444H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IRE472H1 - Negotiations

Hours: 24S

Resolving conflicts constructively is a challenge faced by all organizations and most individuals. This course will cover fundamentals of the negotiation process and conflict resolution. This course will apply multiple cases and simulations providing students with several opportunities to build their skills.

Prerequisite: IRE244H1, IRE260H1 and 1 300H level IRE course

Exclusion: WDW372H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IRE446H1 - Working as an Internal Organizational Consultant

Hours: 24S

This course examines the various elements of the consulting process and the interpersonal skills required to build trust, influence others, contract with clients, and establish and maintain strong working relationships. This seminar may include a compulsory learning format component using a service-learning placement with a community-based agency or organization. Consult the current timetable for details.

Prerequisite: IRE244H1, IRE260H1 and 2 300H level IRE courses

Exclusion: WDW446H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IRE473H1 - Sociology of Industrial Relations

Hours: 24S

This course introduces students to sociological approaches to work and industrial relations. Students are introduced to classical theories and then these perspectives are applied to analyze current labour market and employment relationships. The objective of this course is first to demonstrate how an understanding of industrial relations can be informed and enriched by classical and contemporary sociological perspectives. Second, it is to enable students to familiarise themselves with sociological perspectives so that they can compare and contrast, support or oppose, distinct approaches to industrial relations and the nature of work. This will facilitate a critical view of the theories that will be explored and applied in the course.

Prerequisite: SOC101Y1 or equivalent and at least 1 300 IRE half-credit course

Distribution Requirements: Social Science

IRE447H1 - Contemporary Challenges Facing Today's Organizations

Hours: 24S

An advanced seminar exploring significant developments in organizations, and the challenges and opportunities facing professionals in the employment relations field. Emphasis is placed on developing problem solving and critical thinking skills and examining theories and concepts of employment relations.

Prerequisite: IRE244H1, IRE260H1, IRE379H1

Exclusion: WDW447H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IRE474H1 - Labour Arbitration

Hours: 24S

This course will focus on grievance arbitration and examine both procedural and substantive issues, including the scope of arbitration, pre-arbitration and arbitration processes and select issues in arbitration – discipline and discharge, contract interpretation, disability accommodation, privacy and discrimination.

Prerequisite: IRE244H1 and 1 300H level IRE course

Exclusion: IRE1260H1

Distribution Requirements: Social Science

IRE493H1 - Advanced Topics in Employment Relations

Hours: 24S

Advanced topics vary from year to year, but the objective of the course is to explore theories, concepts and emerging issues in Employment Relations and their impact on internal and external environments.

Prerequisite: IRE244H1, IRE260H1 and 2 300H level IRE courses

Exclusion: WDW493H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

IRE494H1 - Advanced Topics in Employment Relations

Hours: 24S

Advanced topics vary from year to year, but the objective of the course is to explore theories, concepts and emerging issues in Employment Relations and their impact on internal and external environments.

Prerequisite: IRE244H1, IRE260H1 and 2 300H level IRE courses

Exclusion: WDW494H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

Innis College

Faculty List

Associate Professors, Teaching Stream

S. Brail, Ph D
C. Messenger, MA
R.E. Riendeau, MA
D.J. Roberts, Ph D

Lecturer, Teaching Stream

S. English, MA

Introduction

Innis College offers courses (designated INI) that sustain two interdisciplinary academic programs: Urban Studies and Writing and Rhetoric. Innis College is also the home of the Cinema Studies Institute, which offers an impressive collection of courses (designated CIN) listed separately under Cinema Studies Institute. Courses for the Innis One Program have been inspired by the College's two academic programs and its special relationship with the Cinema Studies Institute.

Innis One: The Creative City

Innis One: The Creative City is a first-year foundations program for students who wish to develop their creative and critical capacities by exploring the dynamism of our urban environment. Drawing from the College's two academic programs — Urban Studies and Writing and Rhetoric — and its special relationship with the Cinema Studies Institute, Innis One coaxes students to venture beyond the academy walls and engage in an imaginative, inquiry-based, and civic-minded learning experience.

In a small-class setting, students will be encouraged to bring their own experience, passions and history into relationship with the civic issues and landscapes of Toronto, thus gaining a greater appreciation of the interplay between personally driven writing, film, and urban life. Seminars featuring guest lecturers, films and special field trips offer a unique experiential learning opportunity that will also help students to develop writing, research, and analytical skills.

All first-year students in the Faculty of Arts and Science (St. George campus) are eligible for admission. Further information is available at innis.utoronto.ca/academic-programs/one/.

Enquiries: Tony Pi, Writing and Rhetoric and Urban Studies Program Assistant, Room 233E Innis College (416-978-5809), ini.one@utoronto.ca.

Urban Studies

Urban Studies at Innis College provides students with the tools to make sense of their urban world. The Program examines the complex and dynamic relations among institutions, people, and physical form that create, sustain, or destroy cities.

The Program is suited for those students who wish to study cities using several disciplinary approaches. It is also of interest to those students who wish to become involved in urban issues in Toronto. The Program offers an internship in the office of either a municipal politician, non-profit research group, or other government organization as part of its experiential learning program. Because urban issues are so varied, Urban Studies combines well with many

other program areas. Students are advised to consult the Program Director when designing programs that meet their particular interests. The Program encourages students to take advantage of the Study Elsewhere Program at the University of Toronto to broaden their knowledge of cities.

Enquiries: Tony Pi, Writing and Rhetoric and Urban Studies Program Assistant, Room 233E Innis College (416-978-5809), urbanstudies.innis@utoronto.ca. Also see the Urban Studies website at sites.utoronto.ca/innis/urban.

Writing and Rhetoric

Innis College's **Minor Program in Writing and Rhetoric** offers a diverse array of courses that explore the worlds of oral, written, and online discourse.

Writing and rhetoric go hand in hand. In an increasingly digital world, where the variety and sheer number of texts are rapidly proliferating, the ability to produce persuasive and eloquent writing, as well as analyze and interpret texts, couldn't be more foundational. Guiding our program is the premise that students must be equipped to engage both theoretically and practically with the multimodal world of discourse.

Rhetoric, one of the oldest disciplines in the humanities, is fundamentally concerned with how *persuasion* circulates in society: what transpires *in* texts necessarily reflects, deflects, and impacts what happens *outside* of them. The study of rhetoric includes analyzing the circulation of influence, identities, seductions, ideologies, narratives, tropes, ideas, compromises, and effects across a wide variety of contexts: for example, digital media environments (digital rhetoric), marketing campaigns (advertising rhetoric), medical and scientific settings (rhetoric of science and technology), and the contemporary world of political activity and activism (rhetoric of social change—including feminist rhetoric, rhetoric of race, and environmental rhetoric).

Writing, one of the most important rhetorical skills that anyone can develop, is an invaluable craft both in academic programs and beyond the university. Rhetors—those who can adapt their language to audience and context and use language skillfully—exert a powerful influence in almost any setting. Our writing courses teach students how to write well in the modes, genres, and styles appropriate to particular disciplinary, institutional, and creative contexts. Each course is oriented towards the specialized writing, reading, research, and editing skills involved in a specific writing genre.

Enquiries: Tony Pi, Writing and Rhetoric and Urban Studies Program Assistant, Room 233E Innis College (416-978-5809), writingandrhetoric.innis@utoronto.ca. Also see the Writing and Rhetoric website at sites.utoronto.ca/innis/wr.

Innis College Programs

Urban Studies Specialist (Arts Program) - ASSPE2207

Enrolment Requirements:

For Program requirements and information, consult the Urban Studies website at sites.utoronto.ca/innis/urban. Note: All Urban

Studies programs are limited enrolment programs (see the [Arts & Science Program Enrolment instructions](#) for application procedures).

This is a limited enrolment program. Eligibility will be based on a student's mark(s) in the required course(s). Enrolment is competitive and changes year-to-year depending on the applicant pool. Use the program information page on the Urban Studies Program website to find examples of averages used for enrolment in previous years.

Before applying to the Urban Studies Specialist please complete the following:

- 4.0 FCEs;
- 3.0 FCEs from the list of 4.0 FCEs in possible First Year selections below

- 1.0 FCEs from First year Economics courses (e.g., [ECO101H1](#), [ECO102H1](#), [ECO105Y1](#));
- 1.0 FCEs from First year Human/Urban/Social/Environmental (i.e., Social Science based) Geography courses (e.g., [GGR101H1](#), [GGR107H1](#), [GGR112H1](#), and [GGR124H1](#));
- 1.0 FCEs from First year Political Science courses (e.g., [POL101Y1](#));
- 1.0 FCEs from First year Sociology courses (e.g., [SOC100H1](#), [SOC150H1](#)).

If a student completes more than 3.0 FCEs from this list, the best 3.0 FCEs in terms of grades will be used to determine successful enrolment.

Notes: other first year social science classes may be considered as substitutes for these listed above. Please contact program director to inquire about substitutions.

Students who are unsuccessful in their first application to the USP may re-apply and the admission decision will be based on the completion of and marks in:

- [INI235H1](#) and [INI236H1](#); and
- [ECO220Y1](#)/[ECO227Y1](#), or
- The pairing of [GGR270H1](#) and [GGR271H1](#); or
- The pairing of [POL222H1](#) and [POL232H1](#); or,
- The pairing of [SOC202H1](#) and [SOC252H1](#)

Completion Requirements:

(11.0 Full Course Equivalents (FCEs) including at least 4.0 FCEs at the 300+ level, 1.0 of which must be at the 400-level)

First Year:

Three of the following selections:

- 1.0 FCEs from First year Economics courses (e.g., [ECO100Y](#)/[ECO101H1](#), [ECO102H1](#), [ECO105Y1](#));
- 1.0 FCEs from First year Human/Urban/Social/Environmental (i.e., Social Science based) Geography courses (e.g., [GGR101H1](#), [GGR107H1](#), [GGR112H1](#), and [GGR124H1](#));
- 1.0 FCEs from First year Political Science courses (e.g., [POL101Y1](#));
- 1.0 FCEs from First year Sociology courses (e.g., [SOC100H1](#), [SOC150H1](#)).

Higher Years:

- [INI235H1](#) and [INI236H1](#) (formerly [INI235Y1](#));
- [ECO220Y1](#) or ([GGR270H1](#) and [GGR271H1](#)) or ([POL222H1](#) and [POL232H1](#)) or ([SOC202H1](#) and [SOC252H1](#));
- any of the following to a total of 2.0 FCEs of which at least 1.0 FCE must be at the 400-level: [INI333H1](#), [INI336H1](#), [INI337H1](#), [INI338H1](#), [INI339H1](#), [INI342H1](#), [INI432H1](#), [INI433H1](#), [INI437Y1](#), [INI439H1](#))

- 4.0 FCEs in at least three of groups A through H, including at least 2.0 FCEs at the 300-level or above.

Urban Studies Major (Arts Program) - ASMAJ2207

Enrolment Requirements:

This is a limited enrolment program. Eligibility will be based on a student's mark(s) in the required course(s). Enrolment is competitive and changes year-to-year depending on the applicant pool. Use the program information page on the Urban Studies Program website to find examples of averages used for enrolment in previous years.

Before applying to the Urban Studies Major please complete the following:

- 4.0 FCEs;
- 2.0 FCEs from any of the following 100-series courses in: Economics ([ECO101H1](#), [ECO102H1](#), [ECO105Y1](#)); Human/Urban/Social/Environmental Geography ([GGR101H1](#), [GGR107H1](#), [GGR112H1](#), [GGR124H1](#)); Political Science ([POL101Y1](#)), or Sociology ([SOC100H1](#), [SOC150H1](#)).

If a student completes more than 2.0 FCEs from this list, the best 2.0 FCEs in terms of grades will be used to determine successful enrolment.

Notes:

1. Other first year social science classes may be considered as substitutes for these listed above. Please contact program director to inquire about substitutions.
2. If a student completes only 0.5 FCE in one of the subject areas, this can limit their ability to take upper year courses in the same subject area, which could impact completing an Urban Studies program.

Students who are unsuccessful in their first application to the USP may re-apply and the admission decision will be based on the completion of and marks in:

- [INI235H1](#) and [INI236H1](#); and
- [ECO220Y1](#), or
- The pairing of [GGR270H1](#) and [GGR271H1](#); or
- The pairing of [POL222H1](#) and [POL232H1](#); or,
- The pairing of [SOC202H1](#) and [SOC252H1](#)

Completion Requirements:

(7.0 Full Course Equivalents (FCEs) including at least 2.0 FCEs at the 300+ level, 0.5 of which must be at the 400-level)

First Year:

Two of the following selections:

- 1.0 FCEs from First year Economics courses (e.g., ECO101H1, ECO102H1, ECO105Y1);
- 1.0 FCEs from First year Human/Urban/Social/Environmental (i.e., Social Science based) Geography courses (e.g., GGR101H1, GGR107H1, GGR112H1, and GGR124H1);
- 1.0 FCEs from First year Political Science courses (e.g., POL101Y1).
- 1.0 FCEs from First year Sociology courses (e.g., SOC100H1, SOC150H1).

Other first year social science classes may be substituted for the ones listed. Please contact program director to inquire about substitutions.

Higher Years

- INI235H1 and INI236H1 (formerly INI235Y1);
- any of the following to a total of 1.0 FCEs of which at least 0.5 FCEs must be at the 400-level: INI333H1, INI336H1, INI337H1, INI338H1, INI339H1, INI342H1, INI432H1, INI433H1, INI437Y1, INI439H1;
- Another 0.5 FCEs from a 300-level or above course listed in Group A;
- 2.5 FCEs in at least two of groups A through H, including at least 0.5 FCEs at the 300-level or above.

Urban Studies Minor (Arts Program) - ASMIN2207

Enrolment Requirements:

This is a limited enrolment program. Eligibility will be based on a student's mark(s) in the required course(s). Enrolment is competitive and changes year-to-year depending on the applicant pool. Use the program information page on the Urban Studies Program website to find examples of averages used for enrolment in previous years.

Before applying to the Urban Studies Minor please complete the following:

- 4.0 FCEs;
- 1.0 FCEs from the list of 4.0 FCEs in possible First Year selections below
- 1.0 FCEs from First year Economics courses (e.g., ECO101H1, ECO102H1, ECO105Y1);
- 1.0 FCEs from First year Human/Urban/Social/Environmental (i.e., Social Science based) Geography courses (e.g., GGR101H1, GGR107H1, GGR112H1, and GGR124H1);
- 1.0 FCEs from First year Political Science courses (e.g., POL101Y1);
- 1.0 FCEs from First year Sociology courses (e.g., SOC100H1, SOC150H1).

If a student completes more than 1.0 FCEs from this list, the best 2.0 FCEs in terms of grades will be used to determine successful enrolment.

Note: Other first year social science classes may be considered as substitutes for these listed above. Please contact program director to inquire about substitutions.

Students who are unsuccessful in their first application to the USP may re-apply and the admission decision will be based on the completion of and marks in:

- INI235H1 and INI236H1

Completion Requirements:

(4.0 full course equivalents, including at least 1.0 FCEs at the 300+ level)

First Year:

One of the following selections:

- 1.0 FCEs from First year Economics courses (e.g., ECO100Y1, ECO105Y1);
- 1.0 FCEs from First year Human/Urban/Social/Environmental (i.e., Social Science based) Geography courses (e.g., GGR101H1, GGR107H1, GGR112H1, and GGR124H1);
- 1.0 FCEs from First year Political Science courses (e.g., POL101Y1).
- 1.0 FCEs from First year Sociology courses (e.g., SOC100H1, SOC150H1).

Higher Years

- INI235H1 and INI236H1 (formerly INI235Y1);

- 0.5 FCEs from a 300-level or above course listed in Group A;
- 1.5 FCEs in at least two of groups A through H, including at least 0.5 FCEs at the 300-level or above.

Writing and Rhetoric Minor (Arts Program) - ASMIN2137

Enrolment Requirements:

For Program requirements and information, see below, and visit the Writing and Rhetoric web site: sites.utoronto.ca/innis/wr/. Also contact Tony Pi, Writing and Rhetoric and Urban Studies Program Assistant, Room 233 Innis College (416-978-5809), writingandrhetoric.innis@utoronto.ca.

This program does not have specific first-year requirements. See the [Arts & Science Program Enrolment web site](#) for application procedures.

Entrance Requirements:

This program has no specific admission requirements. All students who have completed at least 4.0 courses are eligible to enrol.

Completion Requirements:

Requirements for the Minor program:

Four full courses or their equivalent, including the equivalent of at least 1.0 FCEs at the 300/400-level. Note: No specialist or major is available in this program.

- 2.5 INI writing courses (note: JEI206H1 counts as an INI course in the Writing and Rhetoric Program)
- 1.5 other full-course equivalents from groups A, B, or C. Courses outside these lists may be approved by the Program Director.

Note: No more than 0.5 FCEs in transfer credit may be counted towards the program.

Course Groups

Urban Studies Group A: Urban Studies

- INI234H1 Cities in Popular Culture
- INI333H1 Critical Approaches in Urban Studies
- INI334H1 Urban Field Course
- INI336H1 Creative Cities
- INI337H1 Studies in Contemporary Urban Problems
- INI338H1 Advanced Topics in Urban Studies I
- INI339H1 Divided City / United City
- INI342H1 Urban Studies Research Seminar I
- INI430H1 Advanced Topics in Urban Studies II
- INI431Y1 Special Topics in Urban Studies
- INI432H1 Special Topics in Urban Studies
- INI433H1 Special Topics in Urban Studies
- INI437Y1 Urban Experiential Learning in Toronto & the GTA
- INI438H1 Advanced Urban Research Project
- INI439H1 Cities and Mega-events: Place-making, Contestation and Urban Citizenship
- JGI216H1 Globalization and Urban Change
- JGI346H1 The Urban Planning Process
- JGI454H1 The Role of the Planner: Making a Difference

Urban Studies Group B: Economics

- ECO305H1 Economics of Accounting
- ECO310H1 Empirical Industrial Organization
- ECO313H1 Environmental Economics and Policies
- ECO314H1 Energy and the Environment
- ECO316H1 Applied Game Theory
- ECO320H1 Economic Analysis of Law
- ECO322H1 Canadian Economic History, 1850-1960
- ECO324H1 Economic Development
- ECO332H1 Economics of the Family
- ECO333H1 Urban Economics
- ECO334H1 The Political Economy of Media
- ECO336H1 Public Economics
- ECO338H1 Economics of Careers
- ECO339H1 Labour Economics: Employment, Wages and Public Policy

- ECO340H1 Labour Economics: The Distribution of Earnings
- ECO341H1 The Economic History of the 20th Century: Trade, Migration, Money and Finance before 1945
- ECO342H1 Twentieth Century Economic History: Institutions, Growth and Inequality
- ECO362H1 Economic Growth
- ECO364H1 International Trade Theory
- ECO372H1 Applied Regression Analysis and Empirical Papers
- ECO401H1 Topics in Economic Policy
- ECO429H1 Economic Thought after 1870
- ECO433H1 The Economics of Cities and Regions
- IRE339H1 Labour Markets and Public Policy

Urban Studies Group C: Geography

- GGR216H1 Global Cities
- GGR217H1 Urban Landscapes and Planning
- GGR221H1 New Economic Spaces
- GGR240H1 Geographies of Colonialism in North America
- GGR241H1 Geographies of Urban Social Exclusion
- GGR246H1 Geography of Canada
- GGR252H1 Marketing Geography
- GGR254H1 Geography USA
- GGR320H1 Geographies of Transnationalism, Migration, and Gender
- GGR323H1 Issues in Population Geography
- GGR326H1 Remaking the Global Economy
- GGR327H1 Geography and Gender
- GGR328H1 Labour Geographies
- GGR329H1 The Global Food System
- GGR336H1 Urban Historical Geography of North America
- GGR339H1 Urban Geography, Planning and Political Processes
- GGR352H1 Understanding Spatiality
- GGR356H1 Recreation and Tourism
- GGR357H1 Housing and Community Development
- GGR359H1 Comparative Urban Policy
- GGR374H1 Urban Dynamics
- GGR424H1 Transportation Geography and Planning
- GGR431H1 Regional Dynamics
- GGR438H1 Environment and Development
- GGR457H1 The Post-War Suburbs
- GGR458H1 Selected Topics in Urban Geography
- GGR482H1 Toronto Field Course

Urban Studies Group D: History

- HIS220Y1 The Shape of Medieval Society
- HIS230H1 Indigenous and Early Colonial Caribbean History
- HIS241H1 Europe in the Nineteenth Century, 1815-1914
- HIS242H1 Europe in the 20th Century
- HIS243H1 Early Modern Europe, 1450-1648
- HIS244H1 Early Modern Europe, 1648-1815
- HIS250Y1 History of Russia
- HIS251Y1 History of East Central Europe
- HIS263Y1 Introduction to Canadian History
- HIS271Y1 American History Since 1607

- [HIS280Y1 History of China](#)
- [HIS282Y1 History of South Asia](#)
- [HIS292H1 Latin America: The National Period](#)
- [HIS297Y1 History of Africa from a Gender Perspective](#)
- HIS312H1
- HIS313H1
- [HIS314H1 Quebec and French Canada](#)
- [HIS316H1 Competing Colonialism in Northeast China The Harbin Experiment](#)
- [HIS365H1 History of the Great Lakes Region](#)
- [HIS366H1 Aboriginal Peoples of the Great Lakes from 1815 to the Present](#)
- [HIS369H1 Aboriginal Peoples of the Great Lakes from 1500 to 1830](#)
- [HIS378H1 America in the 1960s](#)
- [HIS435H1 Themes in Toronto History](#)
- [HIS455Y1 Hacking History: Digital Projects Capstone Class](#)
- [HIS479H1 US Foreign Policy Since World War II](#)
- [HIS484H1 The Car in North American History](#)

Urban Studies Group E: Political Science & Public Policy

- [JPF455Y1 Cities](#)
- [POL201Y1 Politics of Development: Issues and Controversies](#)
- [POL214Y1 Canadian Government and Politics](#)
- [POL306H1 Urban Politics and Governance in Canada](#)
- [POL316Y1 Contemporary Canadian Federalism](#)
- [POL317H1 Comparative Public Policy](#)
- [POL349H1 Global Urban Politics](#)
- [POL361H1 Global Political Economy I: History and Theory](#)
- [POL362H1 Global Political Economy II: Policy and Analysis](#)
- [POL371H1 The Spatial Construction of the Political Economy](#)
- [POL413H1 Global Environmental Politics](#)
- [POL438H1 Topics in Comparative Politics I](#)
- [POL443H1 Topics in Comparative Politics II](#)
- [POL447H1 Political Economy of Development](#)
- [POL464H1 Urban Policy and Policymaking](#)
- [POL467H1 The Politics of Immigration and Multiculturalism in Canada](#)
- [POL471H1 Urban Revolution: Contemporary Constellations of Spatial Politics](#)
- [PPG301H1 Introduction to Public Policy](#)

Urban Studies Group F: Sociology

- [SOC205H1 Urban Sociology](#)
- [SOC207H1 Sociology of Work & Occupations](#)
- [SOC208H1 Introduction to Social Policy](#)
- [SOC210H1 Sociology of Race and Ethnicity](#)
- [SOC214H1 Family Patterns](#)
- [SOC220H1 Social Inequality in Canada](#)
- [SOC243H1 Sociology of Health and Illness](#)
- [SOC246H1 Sociology of Aging](#)
- [SOC249H1 Sociology of Migration](#)
- [SOC260H1 Fundamentals of Political Sociology](#)
- [SOC280H1 Sociology of Culture](#)

- [SOC303H1 Family Demography](#)
- [SOC304H1 Status Attainment](#)
- [SOC306H1 Economic Sociology](#)
- [SOC308H1 Global Inequality](#)
- [SOC309H1 HIV and AIDS: Social Policies and Programs](#)
- [SOC311H1 Immigration and Race Relations in Canada](#)
- [SOC312H1 Population and Society](#)
- [SOC356H1 Technology and Society](#)
- [SOC360H1 Social Movements](#)
- [SOC363H1 Sociology of Mental Health and Mental Disorders](#)
- [SOC364H1 Urban Health](#)
- [SOC365H1 Gender Relations](#)
- [SOC366H1 Sociology of Women and Work](#)
- [SOC367H1 Race, Class, and Gender](#)
- [SOC382H1 Production and Consumption of Culture](#)
- [SOC383H1 The Sociology of Women and International Migration](#)
- [SOC478H1 Social Context of Public Policy](#)
- [SOC486H1 Advanced Topics in Urban Sociology](#)

Urban Studies Group G: Environment

- [ENV200H1 Assessing Global Change: Science and the Environment](#)
- [ENV221H1 Multidisciplinary Perspectives on Environment](#)
- [ENV222H1 Interdisciplinary Environmental Studies](#)
- [ENV307H1 Urban Sustainability](#)
- [ENV320H1 National Environmental Policy](#)
- [ENV335H1 Environmental Design](#)
- [ENV350H1 Energy Policy and Environment](#)
- [ENV430H1 Environment and Health in Vulnerable Populations](#)
- [ENV432H1 Urban Ecology](#)
- [GGR223H1 Environment, Society and Resources](#)
- [GGR314H1 Global Warming](#)
- [GGR334H1 Water Resource Management](#)
- [GGR347H1 Efficient Use of Energy](#)
- [GGR348H1 Carbon-Free Energy](#)
- [GGR416H1 Environmental Impact Assessment](#)
- [GGR419H1 Environmental Justice](#)
- [JGE331H1 Resource and Environmental Theory](#)

Urban Studies Group H: Other

- [INS403H1 Indigenous Peoples and the Urban Context](#)
- [ANT318H1 The Preindustrial City and Urban Social Theory](#)
- [ANT347H1 Metropolis: Global Cities](#)
- ARC181H1
- ARC253H1
- [ARC331Y0 Studies in International Architecture](#)
- ARC354H1
- ARC355H1
- ARC453H1
- [CAS370H1 Asian Cities](#)
- [FAH207H1 Greek and Roman Art and Archaeology](#)
- [FAH215H1 Early Medieval Art and Architecture](#)
- [FAH230H1 Renaissance Art and Architecture](#)
- [FAH303H1 Emergence of Greek Civilisation](#)
- [FAH309H1 City of Rome](#)

- FAH354H1 Art in Canada Since the 1960s
- FAH371H1 Architecture and Urbanism in Baroque Europe
- FAH372H1 Architecture in the Age of Historicism ca. 1750-ca. 1900
- FAH376H1 Canadian Architecture: A Survey
- FAH421H1 Studies in Medieval Cities
- FAH497H1 Independent Studies in Architectural History
- HST330H1 Population Health
- JAV151H1
- JAV152H1
- LIN451H1 Urban Dialectology
- SLA104H1 Cities of the Mediterranean
- SLA301H1
- SLA318H1 City of Saints and Sinners: Kyiv through the Centuries
- SLA325H1 Magic Prague

Innis Writing Courses

- INI103H1 Writing Essays
- INI104H1 Writing Reports
- INI201H1 Theories of Rhetoric
- INI203H1 Foundations of Written Discourse
- INI204H1 The Academic Writing Process
- INI211H1 Introduction to Creative Writing
- INI300H1 Strategic Writing in Business and the Professions: Theory and Practice
- INI301H1 Contemporary Issues and Written Discourse: Rhetoric and the Print Media
- INI302H1 Writing in Business and the Professions for Rotman Commerce students
- INI303H1 Digital Rhetoric
- INI304H1 The Illusion and Reality of Evidence
- INI305H1 Word and Image in Modern Writing
- INI310H1 Stylistic Editing and Copy Editing
- INI311Y1 Seminar in Creative Writing
- INI316H1 Developmental and Substantive Editing
- INI409H1 Special Topics in Writing and Rhetoric
- INI410H1 Special Topics in Writing and Rhetoric
- INI413H1 Visual Rhetoric of the Aesthetic Movement
- INI414H1 Writing for Social Change
- JEI206H1 Writing English Essays

Writing and Rhetoric Group A: Critical Analysis and Reasoning

- INI204H1 The Academic Writing Process
- INI304H1 The Illusion and Reality of Evidence
- INI310H1 Stylistic Editing and Copy Editing
- INI316H1 Developmental and Substantive Editing
- INI409H1 Special Topics in Writing and Rhetoric
- INI410H1 Special Topics in Writing and Rhetoric
- LIN481H1 Introduction to Analysis and Argumentation
- PHL247H1 Critical Reasoning
- PHL275H1 Introduction to Ethics
- POL475Y1 Post-Modern and Contemporary Thought
- PSY370H1 Thinking and Reasoning
- TRN190Y1 Critical Reading and Critical Writing
- TRN200Y1 Modes of Reasoning

Writing and Rhetoric Group B: Workplace Writing and Media

- INI104H1 Writing Reports
- INI300H1 Strategic Writing in Business and the Professions: Theory and Practice
- INI301H1 Contemporary Issues and Written Discourse: Rhetoric and the Print Media
- INI302H1 Writing in Business and the Professions for Rotman Commerce students
- PHL295H1 Business Ethics
- SMC219Y1 Media in Culture and Society
- SMC228H1 Book History and Print Culture
- SMC229H1 Readers and Readerships
- SMC291H1 Broadcast Media and Culture
- SMC300H1 Special Topics in Book and Media Studies I
- CDN221H1 Culture and the Media in Canada

Writing and Rhetoric Group C: Language and Rhetoric

- ANT253H1 Language & Society
- ANT329H1 Language & Power Structure
- ANT427H1 Language, Ideology, & Political Economy
- ENG100H1 Effective Writing
- ENG110Y1 Narrative
- ENG205H1 Rhetoric
- ENG285H1 The English Language in the World
- ENG385H1 History of the English Language
- INI103H1 Writing Essays
- INI201H1 Theories of Rhetoric
- INI203H1 Foundations of Written Discourse
- INI211H1 Introduction to Creative Writing
- INI303H1 Digital Rhetoric
- INI305H1 Word and Image in Modern Writing
- INI311Y1 Seminar in Creative Writing
- INI413H1 Visual Rhetoric of the Aesthetic Movement
- INI414H1 Writing for Social Change
- JAL328H1 Writing Systems
- JAL355H1 Language and Gender
- JEI206H1 Writing English Essays
- LIN200H1 Introduction to Language
- LIN201H1 Canadian English
- LIN203H1 English Words
- LIN204H1 English Grammar
- VIC279H1 Creative Non-Fiction
- VIC345H1 Media and Communications in the Early Modern Era
- VIC350Y1 Creative Writing

Innis College Courses

Note

Courses are listed in this order:

- First Year Foundation
- Innis One
- Urban Studies

- Writing and Rhetoric
- Other Innis College courses

For Cinema Studies Courses see [Cinema Studies Institute](#).

INI196H1 - Hoboes, Geniuses and Immigrants: Otherness in Contemporary Culture

Hours: 24L

Hoboes, geniuses, and immigrants all share a sense of Otherness in terms of their identity because they are different from the norm. This course analyzes the factors that create the sense of Otherness in an individual. Can Otherness be chosen as an identity or is it imposed by society? What conditions make Otherness a positive or negative experience? What is the distinction between difference and Otherness? Instances of Otherness both negative and positive are analyzed in contemporary novels and films. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Innis One Courses

INI100H1 - The City Where Movies Are Made

Hours: 36S

In this course, first-year students will be introduced to film culture in Toronto from a variety of angles, including: a history of the city onscreen (both as itself and as a popular shooting location for American productions); an account of major Toronto filmmaking sites and institutions; introductions to local directors and producers; and overviews of contemporary local film festival culture (TIFF and beyond) as well as the city's film-critical community. Through a combination of lectures, screenings, field trips and special guest speakers, the students will be moved to consider both the vitality of Toronto's film scene as well as its connections to other aspects of the city. Not eligible for CR/NCR option.

Prerequisite: Admission to Innis One

Exclusion: Munk One, New One, St. Mike's One, Trinity One, Vic One, UC One, Woodsworth One

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

INI101H1 - Blogging the Just City

Hours: 36S

An introduction to the concept of the city as a creative environment promoting not only growth and wealth but also social justice, equality, cooperation, and civility. Students will learn to build their own blog to help them to observe, interpret, and reflect upon the process of urban interaction and the relationship between creativity and justice. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Innis One

Exclusion: Munk One, New One, St. Mike's One, Trinity One, Vic One, UC One, Woodsworth One

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

INI102H1 - Telling the Stories of the City: Writing Creative Non-Fiction

Hours: 36S

An introduction to creative writing techniques and the personal essay form through which students will explore and develop their conscious connection to the natural-urban landscape. The course will include activities such as field trips, readings, interviews, and journaling to generate the material for personal essays on engagement with nature in the city. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Innis One

Exclusion: Munk One, New One, St. Mike's One, Trinity One, Vic One, UC One, Woodsworth One

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

INI106H1 - Writing Literary Journalism: Telling the Stories of the City

Hours: 36S

An introduction to literary journalism, in which students study the craft of storytelling along with interviewing, reporting, and the journalist's ethical stance. Guest speakers, field trips, writing activities and course readings will help students engage deeply with their environment and develop the skills and sensitivity required for literary reporting. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Innis One

Exclusion: Munk One, New One, St. Mike's One, Trinity One, Vic One, UC One, Woodsworth One

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Urban Studies Courses

INI234H1 - Cities in Popular Culture

Hours: 24L

By exploring different popular culture phenomena such as the emergence of hip hop in the Bronx, Batman's Gotham, and Nollywood, this course works to examine the contributions of popular culture in shaping our understandings of cities (as well as providing different perspectives of the city and the urban experience than is generally captured in scholarly/academic literature). Popular culture becomes a vehicle by which we will explore different aspects of urban life and urban representation.

Prerequisite: 4.0 FCEs

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

INI235H1 - A Multidisciplinary Introduction to Urban Studies I: Theoretical Foundations of City Building

Previous Course Number: INI235Y1

Hours: 24L

Focuses on the theoretical foundations of urbanization, urban change, and city building, with particular attention on global urban growth, history of contemporary urbanization, urban planning, governance, built form, and economic development. These topics are explored through a multidisciplinary lens, with an emphasis on understanding urban transitions over time and their meaning for contemporary urban experience.

Prerequisite: Four courses with at least one of the following: ECO100Y1/ECO105Y1 or 1.0 FCE from 100-level GGR courses including GGR101H1, GGR107H1, GGR112H1 and GGR124H1, or 1.0 FCE from 100-level POL courses including POL101Y1, or POL214Y1, or 1.0 FCE from 100-level SOC courses including SOC101Y1, SOC102H1, and SOC103H1

Exclusion: INI235Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

INI236H1 - A Multidisciplinary Introduction to Urban Studies II: Urban Challenges and Theoretical Application

Previous Course Number: INI235Y1

Hours: 24L

Cities are centres of innovation and creative energy, but they also face significant and pressing challenges. This course explores various urban issues including inequality, eroding infrastructure, and concerns arising from globalization, while also examining the ways in which municipal governments and urban citizens are imagining and implementing potential solutions to these challenges.

Prerequisite: INI235H1

Exclusion: INI235Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

INI333H1 - Critical Approaches in Urban Studies

Hours: 24L

How do power and dominance consolidate in urban settings? How do individuals and communities contest this consolidation, and claim spaces and rights in the city? These questions will be taken up through a range of critical approaches, including Indigenous, critical race feminist, political economy, queer, and anarchist perspectives. Students will have the opportunity to carry out interview-based research on an issue of equality and social justice that matters to them.

Prerequisite: INI235H1 and INI236H1

Recommended Preparation: None

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

INI334H1 - Urban Field Course

Hours: 12S

Students will have the opportunity to travel to a destination city for a week-long examination of specific social, economic, physical, and/or environmental issues. The trip will include meetings with municipal representatives and other decision-makers (public and possibly private). The findings of the trip supplemented by bibliographic research and in-class discussion will form the basis of a major research essay. Each student is required to pay the cost of transportation and accommodation. Not eligible for CR/NCR option.

Prerequisite: INI235H1 and INI236H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

INI336H1 - Creative Cities

Previous Course Number: INI336Y1

Hours: 24L

A prominent thesis in the fields of planning and economic geography is that the presence of creative occupations in a city correlates positively with the overall health of urban regions. This course will investigate the nature of this link from theoretical and empirical perspectives and examine its potential usefulness in a planning/policy context.

Prerequisite: 1.0 FCE from: GGR101H1/ GGR107H1/ GGR112H1/ GGR124H1; INI235H1, INI236H1

Exclusion: INI336Y1

Recommended Preparation: GGR220Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

INI339H1 - Divided City / United City

Hours: 24L

Focus on the impact of increased economic inequality and economic polarization trends that are reshaping Canada's metropolitan areas, changing neighbourhoods, and affecting the lives of our diverse urban population. Using the Toronto area as an example, students explore the consequences of these trends and the implications for public policy.

Prerequisite: A minimum of 8.0 FCEs

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

INI342H1 - Urban Studies Research Seminar I

Hours: 24S

This course provides students an opportunity to craft and initiate an Urban Studies capstone research project. Students will gain knowledge, experience and insight in utilizing qualitative research methods including interviewing, focus groups, observational analysis and other techniques. Seminars and assignments focus on the application of qualitative methods to each student's selected urban research question.

Prerequisite: INI235H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

INI430H1 - Advanced Topics in Urban Studies II

Hours: 24L

This course is meant to be a senior complement to INI338H1 whereby important theoretical, analytical and/or policy debates are addressed in a research seminar format. Students in INI430H1 will be expected to extend, or refine research topics identified and explored in INI338H1 in a major independent research project. Students will present their proposals, their progress reports, and their final results to the instructor and the class.

Prerequisite: INI235H1, INI236H1, INI336H1/ INI338H1. Priority is given to students enrolled in the Urban Studies Major or Specialist Programs. However, consideration may be given to students with suitable course background as determined by the Program Director.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

INI337H1 - Studies in Contemporary Urban Problems

Hours: 24L

This course will focus on an examination of the immediate difficulties facing Toronto and by extension all Canadian cities. Instruction will consist of a combination of lectures by the instructor and by noted experts/practitioners in a range of topic areas including urban governance, finance, planning, environmental sustainability and social welfare.

Recommended Preparation: GGR124H1/(INI235H1, INI236H1)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

INI338H1 - Advanced Topics in Urban Studies I

Hours: 24L

This course will expose students to a range of contemporary theoretical, analytical, and policy oriented debates in Urban Studies. The emphasis will be on establishing a broad knowledge base in the multifaceted field of urban studies. The exact topics to be covered will fall broadly under the banner of urban socioeconomic change, and specific syllabi, year to year, will follow contemporary and emerging debates. This will be expanded upon in this course's 400 level counterpart.

Exclusion: GGR347H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

INI431Y1 - Special Topics in Urban Studies

Hours: TBA

From time to time, the Urban Studies Program organizes community outreach and information sessions. At the discretion of the Director, students may enroll in a special topics course and investigate these issues more deeply under the supervision of an agreeable faculty member. Proposals including a letter from an agreeable faculty member should be submitted to the Director by June 1 for a Fall or Year-long course, or by November 1 for a Spring course. Not eligible for CR/NCR option.

Prerequisite: Enrolment in a major or specialist program in Urban Studies.

Recommended Preparation: INI235H1, INI236H1, completion of research design and research methods courses, 14 FCEs in an aligned social science program.

Distribution Requirements: Social Science

INI434Y1 - Independent Research in Urban Studies

Hours: TBA

Designed to allow strong students in the Major and Specialist programs to extend a piece of urban research under the supervision of a faculty member from any aligned department. Choice of 'H' or 'Y' session pursuant to the scope of the research envisioned, the proposed supervisor's assessment of depth of the inquiry, and the approval of the program director. Proposals, including a letter from an agreeable supervisor should be submitted to the program director by June 1 for a Fall or Year session course and by November 1 for a Spring session course. Not eligible for CR/NCR option.

Prerequisite: INI235H1, INI236H1, completion of research design and research methods courses, 14 FCEs in an aligned social science program. Enrolment in the Urban Studies Major or Specialist programs.

Distribution Requirements: Social Science

INI432H1 - Special Topics in Urban Studies

Hours: TBA

Special topics courses are offered periodically for senior students in the Urban Studies Program. Offerings in any given year will depend on program priorities, availability of specialized expertise and funding. Not eligible for CR/NCR option.

Prerequisite: Enrolment in a major or specialist program in Urban Studies.

Recommended Preparation: INI235H1 and INI236H1, completion of research design and research methods courses, 14 FCEs in an aligned social science program.

Distribution Requirements: Social Science

INI435H1 - Independent Research in Urban Studies

Hours: TBA

Designed to allow strong students in the Major and Specialist programs to extend a piece of urban research under the supervision of a faculty member from any aligned department. Choice of 'H' or 'Y' session pursuant to the scope of the research envisioned, the proposed supervisor's assessment of depth of the inquiry, and the approval of the program director. Proposals, including a letter from an agreeable supervisor should be submitted to the program director by June 1 for a Fall or Year session course and by November 1 for a Spring session course. Not eligible for CR/NCR option.

Prerequisite: INI235H1, INI236H1, completion of research design and research methods courses, 14 FCEs in an aligned social science program. Enrolment in the Urban Studies Major or Specialist programs.

Distribution Requirements: Social Science

INI433H1 - Special Topics in Urban Studies

Hours: 24S

Special topics courses are offered periodically for senior students in the Urban Studies Program. Offerings in any given year will depend on program priorities, availability of specialized expertise and funding. Not eligible for CR/NCR option.

Prerequisite: Enrolment in a major or specialist program in Urban Studies.

Recommended Preparation: INI235H1 and INI236H1, completion of research design and research methods courses, 14 FCEs in an aligned social science program.

Distribution Requirements: Social Science

INI436H1 - Independent Research in Urban Studies

Hours: TBA

Designed to allow strong students in the Major and Specialist programs to extend a piece of urban research under the supervision of a faculty member from any aligned department. Choice of 'H' or 'Y' session pursuant to the scope of the research envisioned, the proposed supervisor's assessment of depth of the inquiry, and the approval of the program director. Proposals, including a letter from an agreeable supervisor should be submitted to the program director by June 1 for a Fall or Year session course and by November 1 for a Spring session course. Not eligible for CR/NCR option.

Prerequisite: INI235H1, INI236H1, completion of research design and research methods courses, 14 FCEs in an aligned social science program. Enrolment in the Urban Studies Major or Specialist programs.

Distribution Requirements: Social Science

INI437Y1 - Urban Experiential Learning in Toronto & the GTA

Previous Course Number: INI306Y1

Hours: 72S

A method of studying city issues that combines readings, seminar discussions, and field trips with an 8 hour / week internship in the office of a municipal politician, local government, or non-profit organization. Readings focus on community development, urban planning, economic development and local governance. Students must fill out a ballot for the course (available on the Urban Studies website - <http://sites.utoronto.ca/innis/urban>) by June 1. Enrolment in this course is competitive and at the discretion of Professor Shauna Brail.

Prerequisite: INI235H1, INI236H1. Priority is given to students enrolled in the Urban Studies Minor, Major, or Specialist Programs. However, consideration may be given to students with suitable course background as determined by the Program Director. Note: INI437Y1 cannot be taken concurrently with JGI450Y1.

Exclusion: INI306Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

INI438H1 - Advanced Urban Research Project

Hours: 24S

This course will allow students to investigate an urban topic of their choice in a guided seminar environment. This course will guide students through the various steps of the research process including: proposal writing and refinement, secondary research, primary data acquisition, analysis and the production of a senior research paper. The course emphasizes the connections between the design, implementation and write-up of an in-depth research paper. Not eligible for CR/NCR option.

Prerequisite: INI235H1 and INI236H1

Exclusion: INI438Y1

Recommended Preparation: INI342H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

INI439H1 - Cities and Mega-events: Place-making, Contests and Urban Citizenship

Hours: 24S

Mega-events, like the Olympics, give cities the opportunity to showcase themselves to the world, but the production of television-friendly urban images do much to obscure the processes, compromises and social consequences in host cities. These events are powerful tools for city branding. They are also potential opportunities for social movements and other groups and individuals to highlight their own sets of concerns. This course will explore the challenges and opportunities that cities face in hosting such events.

Prerequisite: 12.0 FCEs

Exclusion: INI430H1 (topic of same name in 2013-14), INI332H1, INI432H1 (2016)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

JGI216H1 - Globalization and Urban Change

Hours: 24L

Focusing on the impacts that global flows of ideas, culture, people, goods, and capital have on cities throughout the globe, this course explores some of the factors that differentiate the experiences of globalization and urban change in cities at different moments in history and in various geographic locations.

Recommended Preparation: GGR124H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

JGI346H1 - The Urban Planning Process

Hours: 24L

Overview of how planning tools and practice shape the built form of cities. This course introduces twentieth century physical planning within its historical, social, legal, and political contexts. Community and urban design issues are addressed at local and regional scales and in both central cities and suburbs. The focus is on Toronto and the Canadian experience, with comparative examples from other countries, primarily the United States. Transportation costs: \$20.

Exclusion: GGR361H5

Recommended Preparation: 8.0 FCE's including GGR124H1, INI235H1, INI236H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

JGI450Y1 - Planning for Change: Community Development in Practice

Hours: 48S

Offers senior undergraduates the opportunity to participate in a service learning course alongside graduate students. Students will examine theory and practice related to service learning and will conduct a research project designed with a community organization. The course aims to unite theory and practice by providing analytical tools to connect academic and community development work.

Prerequisite: 15 FCEs, 5.0 of which must be GGR/INI. Note: JGI450Y1 cannot be taken concurrently with INI437Y1.

Exclusion: JPG1812H (graduate)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

JGI454H1 - The Role of the Planner: Making a Difference

Hours: 24L

Focuses on the role of a planning practitioner in contemporary society using a wealth of examples drawn from recent issues and debates in Canadian cities and regions. The course will walk students through the demands made of planners in terms of both technical expertise as well as political necessity and ask them to think actively about how to prepare for the extraordinary growth of cities during the next century. Examples of issues that will be discussed in some detail include the myths surrounding the city vs. the suburbs, the creativity and passion involved in planning work and the need to see Toronto's future from a regional perspective.

Prerequisite: 14.5 FCEs, 5.0 of which must be GGR/INI Urban Studies

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

Writing and Rhetoric Courses

INI103H1 - Writing Essays

Hours: 24L/12T

Introduces the fundamentals of essay writing within an interdisciplinary context. Includes the history of the essay and its various rhetorical modes (narrative, descriptive, expository, argumentative), with a focus on humanities and social sciences essays. Both non-academic essays and essays from across the academic disciplines are examined in terms of purpose, audience, and persuasive strategies.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

INI104H1 - Writing Reports

Hours: 36S

Introduces the fundamentals of report writing within an interdisciplinary context. This writing intensive course focuses on improving writing skills appropriate to report writing genres. Informal, formal, research, and professional workplace reports are examined in terms of purpose, audience, structure, style, persuasive strategies, and use of visual rhetoric (tables, charts, graphs). This course also examines qualitative and quantitative research methods.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

INI201H1 - Theories of Rhetoric

Hours: 36S

The history of rhetoric, the philosophical art of persuasion, is a complex one bound up with the histories of philosophy, literature, and religion, the rise and fall of empires, and the emergence of modern science and media technology. We will examine the development of rhetoric over time, from the roots of the discipline in classical antiquity to the genesis of modern and postmodern rhetoric, including the New Rhetoric. We will then focus on contemporary rhetorical currents in language philosophy, gender studies, critical race studies, and affect theory.

Prerequisite: Completion of 4.0 full-course equivalents.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

INI203H1 - Foundations of Written Discourse**Previous Course Number:** INI203Y1**Hours:** 36S

Designed to teach students to write persuasively and to recognize persuasive strategies at work in writing they analyze. Classical rhetorical terms, elements of style, and modes of argument are central to the course. Assignments include a rhetorical analysis, in-class close reading exercises, and a term essay. Readings include prose from a variety of disciplines, excluding fiction and poetry. Students who enrol in the course must demonstrate competence in the English language.

Prerequisite: Completion of 4.0 full-course equivalents.**Exclusion:** INI203Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**INI204H1 - The Academic Writing Process****Hours:** 36S

The strategy necessary to write complete pieces of non-fiction prose, especially exposition and argument. Concepts of planning and organization include: focusing, research, outlining, patterns of logical development, introduction, paragraph development, conclusion, argumentation and persuasion, documentation, and revision. Students for whom English is a second language should have an advanced level of fluency in English before enrolling.

Prerequisite: Completion of 4.0 full-course equivalents.**Exclusion:** INI204Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**INI211H1 - Introduction to Creative Writing****Hours:** 36S

This introductory course focuses on the process and craft of creative writing. Students will study short fiction, creative nonfiction and poetry by established writers, and learn to respond to works-in-progress by their peers. A variety of activities will help students generate, develop, and revise a portfolio of original creative work.

Prerequisite: 4.0 full-course equivalents**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**INI300H1 - Strategic Writing in Business and the Professions: Theory and Practice****Previous Course Number:** INI300Y1**Hours:** 36S

Aims to teach students to recognize the rhetoric of the professional workplace and to communicate strategically and ethically using written and oral discourse appropriate to business, government, and not-for-profit organizations. Case study analysis using ethical reasoning models is a central component of the course.

Prerequisite: Completion of 4.0 full-course equivalents.**Exclusion:** INI300Y1; INI302H1**Distribution Requirements:** Humanities; Social Science**Breadth Requirements:** Creative and Cultural Representations (1)**INI301H1 - Contemporary Issues and Written Discourse: Rhetoric and the Print Media****Hours:** 36S

Examines how the language and rhetoric of print media shape social issues. Rhetorical strategies at work in the media reporting of such controversial issues as international crises and military actions are examined. The construction of the columnists persona and the role of editorialists are also examined.

Prerequisite: Completion of 4.0 full-course equivalents.**Distribution Requirements:** Humanities; Social Science**Breadth Requirements:** Society and its Institutions (3)**INI302H1 - Writing in Business and the Professions for Rotman Commerce students****Hours:** 24L/12T

Designed for and restricted to undergraduates in Rotman Commerce. Assignments and course aims reflect the learning goals of the Rotman Commerce program. This course focuses on critical thinking, ethical reasoning, and the rhetoric of the world of business. The theory and practice of written and oral communication are also central. Case study analysis using ethical reasoning models is a central pedagogical tool.

Prerequisite: Completion of 4.0 full-course equivalents.**Exclusion:** INI300Y1/ INI300H1**Distribution Requirements:** Humanities; Social Science**Breadth Requirements:** Creative and Cultural Representations (1)

INI303H1 - Digital Rhetoric**Hours:** 36S

Examines the profound impact of digital media on contemporary culture and discourse. Students will explore recent currents in rhetoric and digital media. Students will investigate the rhetorical operation of digital media in domains ranging from academia to politics to popular culture. The class will analyze the role of rhetorical principles, such as persuasion and identification, in a diverse array of online discourse such as discussion forums, social media, and the blogosphere.

Prerequisite: Completion of 4.0 full-course equivalents.**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**INI304H1 - The Illusion and Reality of Evidence****Hours:** 24L

This seminar in critical reading, analysis, and writing focuses on the nature, the evaluation, and the use and abuse of evidence in the process of formulating and supporting an argument. The case study method will be employed to assess the level of authority, credibility, and objectivity evident in public discourse, official sources, and academic inquiry.

Prerequisite: Completion of 4.0 full-course equivalents, and a writing course offered by the Writing and Rhetoric Program (or equivalent).**Distribution Requirements:** Humanities; Social Science**Breadth Requirements:** Thought, Belief and Behaviour (2)**INI305H1 - Word and Image in Modern Writing****Hours:** 36S

The rhetorical term Ekphrasis, which refers to writing that is about visual art, is central in the examination of the persuasive power of the conversation or discourse that is produced when the written word attempts the evocation of visual images. Course readings will include ekphrastic texts drawn from several disciplines and genres: journalism, informal essays, poetry, and scholarly writing.

Prerequisite: Completion of 4.0 full-course equivalents.**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**INI308H1 - Selected Topics in Writing and Rhetoric****Hours:** 24S

Courses on selected topics in Writing and Rhetoric.

Prerequisite: 4.0 FCEs**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**INI310H1 - Stylistic Editing and Copy Editing****Hours:** 36S

This course introduces students to professional editorial conventions at two later stages of the editorial process. Both stages require analytical skills and sentence expertise. Through stylistic editing, students learn how to improve a writer's literary style; through copy editing, they learn how to ensure both accuracy and consistency (editorial style).

Prerequisite: Completion of 4.0 full-course equivalents.**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**INI311Y1 - Seminar in Creative Writing****Hours:** 72S

This workshop course examines methodological approaches to literary fiction from the perspective of the creator. Through course readings, discussion, and creative writing assignments, student writers will learn how prose writers combine stylistic techniques, point-of-view, setting, character, scenes, and structure to produce literary effects.

Prerequisite: 4.0 full-course equivalents, fluency in English.**Recommended Preparation:** Experience or strong interest in writing fiction.**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

INI316H1 - Developmental and Substantive Editing

Hours: 36S

This course introduces professional editorial conventions at two early stages of the editorial process. Both stages require editors to think critically and creatively as they assess content, organization, and argument. Students learn how to analyze and evaluate these elements, envision possible improvements, and explain these suggestions persuasively.

Prerequisite: Completion of 4.0 full-course equivalents.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

INI407H1 - Independent Studies in Writing and Rhetoric

Hours: TBA

Independent research projects devised by students and supervised by the Writing and Rhetoric staff. Open only to students who are completing the Minor Program in Writing and Rhetoric Program. Applications should be submitted to the Program Director by June 1 for a Fall session course or by November 1 for a Spring session course. Not eligible for CR/NCR option.

Prerequisite: Permission of Program Director.

Distribution Requirements: Humanities; Social Science

INI405Y1 - Independent Studies in Writing and Rhetoric

Hours: TBA

Independent research projects devised by students and supervised by the Writing and Rhetoric staff. Open only to students who are completing the Minor Program in Writing and Rhetoric Program. Applications should be submitted to the Program Director by June 1 for a Fall session course or by November 1 for a Spring session course. Not eligible for CR/NCR option.

Prerequisite: Permission of Program Director.

Distribution Requirements: Humanities; Social Science

INI408Y1 - Special Topics in Writing and Rhetoric

Hours: TBA

Seminars in special topics designed for students who are completing the Minor Program in Writing and Rhetoric.

Prerequisite: Permission of instructor.

Distribution Requirements: Humanities; Social Science

INI406H1 - Independent Studies in Writing and Rhetoric

Hours: TBA

Independent research projects devised by students and supervised by the Writing and Rhetoric staff. Open only to students who are completing the Minor Program in Writing and Rhetoric Program. Applications should be submitted to the Program Director by June 1 for a Fall session course or by November 1 for a Spring session course. Not eligible for CR/NCR option.

Prerequisite: Permission of Program Director.

Distribution Requirements: Humanities; Social Science

INI409H1 - Special Topics in Writing and Rhetoric

Hours: 36S

Seminars in special topics designed for students who are completing the Minor Program in Writing and Rhetoric.

Prerequisite: Permission of instructor.

Distribution Requirements: Humanities; Social Science

INI410H1 - Special Topics in Writing and Rhetoric

Hours: 36S

Seminars in special topics designed for students who are completing the Minor Program in Writing and Rhetoric (e.g., "Analyzing Creative Non-Fiction").

Prerequisite: Completion of 4.0 full-course equivalents.

Distribution Requirements: Humanities; Social Science

INI413H1 - Visual Rhetoric of the Aesthetic Movement

Hours: 36L

Explores the role of writing and rhetoric in the shaping of material culture and public taste in Victorian illustrated magazines and newspapers in the Aesthetic period (1860-1900). The Great Exhibition of 1851 will provide the context for this study of texts and objects, including the decorative arts.

Prerequisite: Completion of 4.0 full-course equivalents.
Recommended Preparation: INI103H1 / INI203Y1 / INI204Y1
Distribution Requirements: Humanities
Breadth Requirements: Society and its Institutions (3)

INI414H1 - Writing for Social Change

Hours: 36S

We will read and write a variety of texts focused on effecting social change. Students will be encouraged to engage with different theories of social change and an array of writing genres, ranging from journalism to critical theory to fiction. Ultimately, students will focus on one or several key social issues that they wish to write about for their final project.

Prerequisite: Completion of 4.0 full-course equivalents.
Distribution Requirements: Humanities
Breadth Requirements: Creative and Cultural Representations (1)

JEI206H1 - Writing English Essays

Hours: 24L/12T

This course teaches students who already write effectively how to write clear, compelling, research-informed English essays. The course aims to help students recognize the function of grammar and rhetoric, the importance of audience, and the persuasive role of style.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE. English students have priority.
Distribution Requirements: Humanities
Breadth Requirements: Creative and Cultural Representations (1)

Other Innis College Courses

INI299Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

INI399Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

INI400Y1 - Independent Research

Hours: TBA

Under the supervision of a faculty member, students explore topics of their own choice and design their own research projects for a course not otherwise available within the Faculty. The student should submit a detailed proposal and a letter of support from the supervisor by June 1 for Y and F courses and by September 1 for S courses. Not eligible for CR/NCR option.

Prerequisite: Normally requires completion of 15.0 full-course equivalents with 3.3 CGPA and permission of the Innis College Vice-Principal.

INI401H1 - Independent Research

Hours: TBA

Under the supervision of a faculty member, students explore topics of their own choice and design their own research projects for a course not otherwise available within the Faculty. The student should submit a detailed proposal and a letter of support from the supervisor by June 1 for Y and F courses and by September 1 for S courses. Not eligible for CR/NCR option.

Prerequisite: Normally requires completion of 15.0 full-course equivalents with 3.3 CGPA and permission of the Innis College Vice-Principal.

INI402H1 - Independent Research

Hours: TBA

Under the supervision of a faculty member, students explore topics of their own choice and design their own research projects for a course not otherwise available within the Faculty. The student should submit a detailed proposal and a letter of support from the supervisor by June 1 for Y and F courses and by September 1 for S courses. Not eligible for CR/NCR option.

Prerequisite: Normally requires completion of 15.0 full-course equivalents with 3.3 CGPA and permission of the Innis College Vice-Principal.

Italian

Faculty List

Professors Emeriti

R. Capozzi, MA, Ph D
 M. Ciavolella, Ph D
 A. Franceschetti, Dott in Lett, Ph D
 F. Guardiani, Dott in Lett, MA, Ph D (SM)
 M. Kuitunen, Dott in Lett, MA, Phil M,Ufficiale Ord. Merit It. Rep.
 J.A. Molinaro, MA, Ph D, FRSC
 O.L. Pugliese, MA, Ph D (V)
 M.W. Ukas, MA, Ph D

Professor and Chair of the Department

S. Bancheri, MA, PhD (University of Toronto Mississauga)

Professors

S. Bancheri, MA, PhD (University of Toronto Mississauga)
 K. Eisenbichler, MA, Ph D (V)
 M. Lettieri, MA, Ph D (University of Toronto Mississauga)
 D. Pietropaolo, MA, Ph D (SM), Commend. Rep. It.
 L. Somigli, Dott in Lett, Ph D

Associate Professor

F. Pierro, Dott in Lett, DEA, Doctorat

Assistant Professors

E. Brilli, Dott in Lett, Ph D (La Sapienza, Rome; EHESS, Paris)
 S. Casini, Dott in Lett, Ph D (Stranieri Siena)
 E. Morra, Dott in Lett, MA, Ph D
 A. Zambenedetti, Dott in Lingue e Lett Straniere, MA, Ph D

Associate Professor, Teaching Stream Emeritus

B. Magliocchetti, MA (SM)

Associate Professors, Teaching Stream

M. Pasquarelli Clivio, MA, Ph D (SM)
 M. Scarci, MA, Ph D (V)

Senior Lecturers Emeritae

R. Longo Lavorato, MA, Ph D (SM)
 A. Urbancic, B Ed, MA, Ph D (V)

Introduction

To study Italian is not only to acquire a language, but also to study a rich literature and a many-sided culture which have played an important, and sometimes dominant, role in Western civilization. For Canadians, the Italian contribution bears a special significance: the vast influx of Italians has brought changes in our way of life and a living presence to reinforce traditional Italian influences, thus enriching the meaning of the term Canadian. Italian combines well with other modern languages and literatures, and other programs such as European Studies, Literary Studies, and Mediaeval and Renaissance Studies, but is by no means restricted to these. Students may choose from Specialist, Major and Minor programs in Italian Studies. Italian courses are offered for beginners as well as for students who may have prior knowledge or instruction in Italian. Oral practice is included in all language courses. Students well qualified in the Italian language may be excused from language courses in first year (please see the Undergraduate Coordinator). 300- and 400-series courses are available to qualified third and fourth-year students and may be taken concurrently. These courses offer a wide range of options in language, literature, linguistics, culture and cinema. There are courses in Italian literature, culture

and cinema that are given in English and have no language requirement. In conjunction with Woodsworth College, ITA courses may be taken in Italy at the University of Siena during July and August. A number of bursaries are available. Students may apply to take their Third Year in Italy under the Study Abroad Program in conjunction with the Centre for International Experience (<http://www.studentlife.utoronto.ca/cie>). Undergraduate Coordinator: 416-926-2338 Email: italian.undergrad@utoronto.ca Enquiries:100 St. Joseph St. Room 204 (416-926-2345) Website: <http://italianstudies.utoronto.ca/>

Italian Programs

Italian Specialist (Arts Program) - ASPE2524

Completion Requirements:

(10 full courses or their equivalent, including at least one full course equivalent at the 400 level)

1. The following language courses: [ITA100Y1](#), [ITA250Y1](#), [ITA350Y1](#), [ITA450H1](#)
2. One additional 200-series ITA full course equivalent
3. Two full course equivalents at the 300+ level in literature, including 0.5 FCE in each of the THREE periods of Italian literature:

Medieval / Renaissance: [ITA300H1](#)/ [ITA311H1](#)/ [ITA312H1](#)/
[ITA320H1](#)/ [ITA321H1](#)/ [ITA332H1](#)/ [ITA370H1](#)/ [ITA400H1](#)/
[ITA420H1](#)/ [ITA455H1](#)

Baroque / Enlightenment: [ITA301H1](#)/ [ITA348H1](#)/ [ITA390H1](#)/
[ITA420H1](#)/ [ITA455H1](#)

Modern / Contemporary: [ITA301H1](#)/ [ITA310H1](#)/ [ITA330H1](#)/
[ITA380H1](#)/ [ITA381H1](#)/ [ITA410H1](#)/ [ITA421H1](#)/ [ITA455H1](#)

4. One half course from the following: [ITA360H1](#)/ [ITA363H1](#)/
[ITA364H1](#)/ [ITA431H1](#)/ [ITA432H1](#)/ [ITA433H1](#)
5. One half course from the following: [ITA311H1](#)/ [ITA320H1](#)/
[ITA321H1](#)/ [ITA330H1](#)/ [ITA332H1](#)/ [ITA340H1](#)/ [ITA341H1](#)/
[ITA342H1](#)/ [ITA345H1](#)/ [ITA348H1](#)/ [ITA370H1](#)/ [ITA380H1](#)/
[ITA400H1](#)/ [ITA420H1](#)/ [ITA441H1](#)/ [ITA445H1](#)
6. Two additional full course equivalents at the 300+ level with at least one half course at the 400 level
7. [ITA495H1](#)

NOTE: No more than TWO full courses or equivalent where the language of instruction is English may be counted towards the Specialist Program.

Italian Major (Arts Program) - ASMAJ2524

Completion Requirements:

(7 full courses or their equivalent, including at least one half-course equivalent at the 400 level)

1. The following language courses: ITA100Y1, ITA250Y1, ITA350Y1
2. One additional 200-series ITA full course equivalent
3. One full course or equivalent at the 300+ level in literature
4. One half course from the following: ITA360H1/ ITA363H1/ ITA364H1/ ITA431H1/ ITA432H1/ ITA433H1
5. One half course from the following: ITA311H1/ ITA320H1/ ITA321H1/ ITA330H1/ ITA332H1/ ITA340H1/ ITA341H1/ ITA342H1/ ITA345H1/ ITA348H1/ ITA370H1/ ITA380H1/ ITA400H1/ ITA420H1/ ITA441H1/ ITA445H1
6. One additional 300+ series course of which at least one half course must be at the 400 level

Italian Culture and Communication Studies Minor (Arts Program) - ASMIN1245

Completion Requirements:

4 full courses (or equivalent) including one full course equivalent from any of the following:

ITA340H1/ ITA341H1/ ITA342H1/ ITA345H1/ ITA441H1/ ITA445H1
(Italian cinema courses)

ITA360H1/ ITA363H1/ ITA364H1/ ITA431H1/ ITA432H1/ ITA433H1
(Italian linguistics courses)

ITA356Y0/ ITA357Y0/ ITA358Y0/ ITA359Y0 (Italian culture courses)

Italian Minor (Arts Program) - ASMIN2524

Completion Requirements:

(4 full courses or their equivalent)

Any 4 ITA courses (at least one full course equivalent must be a 300/400-level literature course)

Faculty of Arts & Science Language Citation

The Department of Italian Studies participates in the Faculty of Arts and Science's Language Citation initiative for Italian. Proficiency in Italian is an invaluable asset for those wishing to pursue a career in social work, business, applied science, government, law, medicine or education. A knowledge of Italian complements undergraduate studies in other areas, such as music, fine art, literary studies, European history or political science, to name a few.

The Language Citation recognizes a significant level of achievement in language study with a high level of academic success. The Citation in Italian is available to students who, having completed a first year language course in Italian (ITA100Y1/ITA151Y1) (or the equivalent prerequisite training), earn a grade of at least B- in a second-year language course (ITA250Y1/ITA251Y1) and in a third year language course (ITA350Y1/ITA351Y1).

Students should note that the Language Citation is not equivalent to an academic program and that enrolment in a program is not necessary in order to earn the recognition bestowed by the Citation.

Guidelines for students who wish to begin the study of the Italian language at the university level

ITA100Y1 - Italian Language for Beginners – An introductory course for students with no previous knowledge of the Italian language. Not open to students with grade 11 and/or 12 U or M Italian or with previous experience, exposure or instruction in Italian.

ITA250Y1 - Intermediate Italian – The subsequent course for students who have completed ITA100Y1 or ITA151Y1.

This course is also open to students who have completed Grade 11 and/or 12 Italian (U or M level) or with previous experience or instruction in Italian. For this group, the Department may conduct assessment to determine appropriate placement.

The Department reserves the right to place students in the language course appropriate to their level of language skill.

Italian Courses

ITA100Y1 - Italian Language for Beginners

Hours: 72S

An introduction to the main elements of the Italian language. The development of speaking, reading, and writing skills. Introduction to Italian culture and texts.

Exclusion: Grade 11 and/or 12 Italian (U or M level) or previous experience or instruction in Italian.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA102Y0 - Practical Italian

Hours: 48L/24P

A course specifically designed for students who wish to take Italian as a breadth requirement. Emphasis will be given to basic aspects of communication in a functional context. This course cannot be used towards any Minor, Major or Specialist program in Italian. (Offered in Siena only)

Exclusion: 4U Italian or any previous university level Italian language course

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA135Y0 - Conversation and Culture: An Introduction to Italian

Hours: 72S

The course is designed to introduce students to Italian grammar and develop basic oral and comprehension skills. Elements of Italian culture, past and present, are also examined in the context of language and communication. To select the appropriate second-year follow-up course, students are asked to contact the Undergraduate Coordinator. (Offered in Siena only)

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA196H1 - Image and Text in Medieval and Renaissance Italian Culture

Hours: 24L

The course will explore various aspects of the interaction between literature and the visual arts in Italy from the Middle Ages to the end of the Renaissance. The focus will be on the intersection between the literary and visual modes of perception in the works of representative Italian authors from the Fourteenth to the Sixteenth Centuries. Restricted to newly-admitted first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA197H1 - The Fine Art of Murder: Reading Detective Fiction

Hours: 24L

Since its inception in the Nineteenth century, detective fiction has been one of the most popular literary genres, proving adept at both entertaining and shining a critical light on social and political problems. This course will explore the many faces of detective fiction addressing questions such as: Why does crime hold such a fascination for modern audiences? What kind of pleasure do we derive from reading stories that often follow established conventions and rules? What do these novels about crime and punishment tell us about broader social and political issues? Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA198H1 - Machiavelli and Machiavellianism

Hours: 24L

An examination of Machiavelli's political doctrine in *The Prince* and the development of his ideas in politics, ethics and the arts. Special attention will be paid to the enduring relevance of his legacy in the modern world. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: VIC142H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA199H1 - The Church in Italian Culture

Hours: 24L

The course will explore the role of the Church in the history of Italian culture, including the literary, visual and performative arts. Special attention will be paid to its important functions in different periods of the history of Italy. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA200H1 - Major Italian Authors in Translation: from Dante to Tasso

Hours: 24L

The course will focus on authors from the Middle Ages to the Renaissance who had a defining influence on Western literature, such as Dante, Petrarca, Boccaccio, Machiavelli, Ariosto and Tasso. This course includes a component designed to enhance students' research experience. (Given in English)

Exclusion: ITA300H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA201H1 - Major Italian Authors in Translation: from Marino to Calvino

Hours: 24L

The course will focus on authors from the Baroque to the Twentieth Century who had a defining influence on Western literature, such as Marino, Goldoni, Manzoni, Pirandello, Calvino. This course includes a component designed to enhance students' research experience. (Given in English)

Exclusion: ITA301H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA240Y1 - History of Italian Cinema

Hours: 48L/72P

This course surveys the history of Italian cinema and the sociopolitical circumstances surrounding the film industry, from its early days to the present, while also introducing the students to methods of analysis and research appropriate to the field. Emphasis will be placed on films from the silent era to the 1960s, and from the 1960s to the present. This course includes a component designed to introduce students to methods of scholarly research appropriate to the field.

The course is given in English and all films shown have English subtitles.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA233H1 - Italian-Canadian Literature

Hours: 24L

The course will explore how notions of identity and (self)-representation emerge in literature by Canadian writers of Italian descent, illustrating the critical evolution of the immigrant journey from its historical experience to its current condition. This course includes a component designed to enhance students' research experience. (Given in English)

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

ITA250Y1 - Intermediate Italian

Hours: 72S

Grammar review, readings of Italian authors and oral practice to enhance comprehension and expressive skills.

Prerequisite: ITA100Y1/ ITA151Y1; Grade 11 and/or 12 Italian (U or M level), or previous experience or instruction in Italian, or permission of the Department.

Exclusion: ITA251Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA235Y0 - Conversation and Culture: Intermediate Italian Intensive Oral Practice

Hours: 72S

This course is designed to enhance students oral proficiency in Italian, improve listening and reading comprehension and develop a broad lexical base for more effective communicating skills. Elements of Italian culture are also examined in the context of language and communication through a series of topical readings which form the basis of discussions. (Offered in Siena only)

Prerequisite: ITA100Y1/ ITA101Y1/ ITA102Y1/ITA135Y0/ ITA151Y1/ ITA152Y1 or permission of Department

Exclusion: ITA252Y1 (and/or higher)

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA299Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>.

Distribution Requirements: Humanities

ITA300H1 - History of Italian Literature: Middle Ages and Renaissance

Hours: 24L

This course provides a chronological, comprehensive view of Italian literature and its major authors and trends, in their socio-historical contexts from its beginnings to the Renaissance. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ ITA251Y1

Exclusion: ITA200H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA311H1 - Mediaeval Italian Literature in Translation: Dante

Hours: 24L

A study of the *Vita Nuova* and of the *Divine Comedy* within the literary and cultural contexts of the Middle Ages. This course includes a component designed to enhance students' research experience. (Given in English)

Exclusion: ITA320H1/ ITA321H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA301H1 - History of Italian Literature: Baroque to Contemporary

Hours: 24L

This course provides a chronological, comprehensive view of Italian literature and its major authors and trends, in their socio-historical contexts from the Baroque period to the present day. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ ITA251Y1

Exclusion: ITA201H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA312H1 - Mediaeval Italian Literature in Translation: Petrarch and Boccaccio

Hours: 24L

A study of Petrarch's *Canzoniere* and of Boccaccio's *Decameron* in relation to later Middle Ages. This course includes a component designed to enhance students' research experience. (Given in English)

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA320H1 - Dante: Vita Nuova and Divina Commedia (Inferno)

Hours: 24L

Dante's poetry and great Christian epic of conversion explode with the passions of this world. This course focuses on intertextual and rhetorical strategies used to fashion the author's complex vision of contemporary society within the framework of providential history. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ ITA251Y1

Exclusion: ITA311H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA310H1 - The 'Journey' in 19th Century Italian Literature

Hours: 24L

The course illustrates Italy's contribution to the history of the trope during a time when countries became increasingly interdependent and conscious of each other's cultures. Through literary and social analysis the course traces the most vital aspects of the journey motif. This course includes a component designed to enhance students' research experience. (Given in English)

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA321H1 - Dante: Divina Commedia (Purgatorio and Paradiso)

Hours: 24L

A continuation of *ITA320H1*, this course examines the *Purgatorio* and the *Paradiso* in the context of Dante's vision of contemporary society. This course includes a component designed to enhance students' research experience.

Prerequisite: *ITA320H1*

Exclusion: *ITA311H1*

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA340H1 - Italian Neorealist Cinema

Hours: 24L/36P

The focus of this course is the films of Italian Neorealism, one of the most influential, artistic, and intellectual movements in the history of world cinema. While emphasis will be placed primarily on the work of Roberto Rossellini, Vittorio De Sica, and Luchino Visconti, the course will also offer a detailed discussion of the historical context and of the sociopolitical issues of postwar Italy. This course includes a component designed to enhance students' research experience. (Given in English)

Recommended Preparation: *ITA240Y1*

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA330H1 - Alessandro Manzoni and the 19th Century

Hours: 24L

Italy's foremost author's conscious attempt to write the great representative ("epic") work of the Risorgimento. This course explores Manzoni's continuing struggle to find the appropriate language, style, and genre to express his vision of history. This course includes a component designed to enhance students' research experience.

Prerequisite: *ITA250Y1/ ITA251Y1*

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA341H1 - Gender and Genre in Italian Cinema

Hours: 24L/36P

The course looks at Italian cinema from the perspective of gender and genre studies. While the focus will be primarily on film, the course will also engage with different media and discuss how these have informed and influenced Italian notions of masculinity and femininity throughout the Twentieth Century. The emphasis on genre will provide the structure to organize a discourse that will embrace very diverse and multifaceted texts, and will enable students to develop their analytical and critical skills in the field. This course includes a component designed to enhance students' research experience. (Given in English)

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA332H1 - Love in the Renaissance

Hours: 24L

An exploration of the theme of love in the Renaissance and its development in a variety of literary forms. Analysis of treatises, poetry, short stories and letters with the purpose of examining intertextuality and the practice of imitation, as well as the social and political aspects of love, such as marriage, women's position in society, pornography, homosexuality and other issues. This course includes a component designed to enhance students' research experience. (Given in English)

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA342H1 - Popular Italian Cinema

Hours: 24L

This course discusses the notion of the *Popular* as applied to Italian cinema. By focusing on the number of films that have appropriated popular international genres such as *Spaghetti Westerns*, *Horror*, and *Poliziotteschi*, this course will discuss Italian cinema in a global context, drawing parallels and comparisons with other national industries. Students will gain a broader understanding of Italian film culture, and will apply their critical and research skills to a wide range of texts. This course includes a component designed to enhance students' research experience. (Given in English)

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA345H1 - Cinema of the Italian Diasporas

Hours: 24L/36P

This course will examine how several filmmakers of Italian descent engage with the representation of their diasporic identity. Particular emphasis will be placed on Italian-Canadian and Italian-American cinema, as well as on Italian cineastes working in Argentina, Brazil, and Australia. The course will analyze films that span from silent to contemporary, from the formation of the stereotypical images to the re-appropriation of archetypes on the part of "ethnic" filmmakers. This course includes a component designed to enhance students' research experience. (Given in English)

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA348H1 - Mass Media in Italy: The European Context

Hours: 24L

This course investigates Italy's pivotal role in epochal cultural changes: from manuscript to print and from print to computers. The impacts of Print Technology in the Renaissance and of Electronic Technology from Marconi onward are thoroughly analyzed. This course includes a component designed to enhance students' research experience. (Given in English)

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA350Y1 - Language Practice

Hours: 24P/48S

For students who have completed ITA250Y1/ ITA251Y1. Discussion of problems of grammar, style, and composition. Language analysis based on readings of Italian authors. One hour a week of oral practice. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ ITA251Y1

Exclusion: ITA351Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA356Y0 - Italian Culture from the Middle Ages to the Renaissance

Hours: 24L/24T

A survey of artists, writers, and thinkers from the time of Dante to the days of Leonardo. During field trips, the streets, squares, churches, and palazzi of many cities serve as living laboratories for a discussion of the topography of mediaeval and Renaissance cities. This course includes a component designed to enhance students' research experience. (Offered in Siena only.)

ITA356Y0: This course is taught in English and is open to students from other disciplines.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

ITA357Y0 - Italian Culture from the Middle Ages to the Renaissance

Hours: 24L/24T

A survey of artists, writers, and thinkers from the time of Dante to the days of Leonardo. During field trips, the streets, squares, churches, and palazzi of many cities serve as living laboratories for a discussion of the topography of mediaeval and Renaissance cities. This course includes a component designed to enhance students' research experience. (Offered in Siena only.)

ITA357Y0: Students who wish to petition the Department for credit towards a Specialist or Major in Italian will be required to do the readings in Italian.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

ITA358Y0 - Modern Italian Culture

Hours: 24L/24T

Analysis of a selection of philosophical, artistic, musical, and literary works from the age of the Baroque to the present. The main topics of discussion include: Romanticism, Italian unification, theatre, opera, Futurism, fascism, Neorealism, regional differences, and industrialization. Field trips and viewing of movies included. This course includes a component designed to enhance students' research experience. (Offered in Siena only)

ITA358Y0: This course is taught in English and is open to students from other disciplines.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

ITA359Y0 - Modern Italian Culture

Hours: 24L/24T

Analysis of a selection of philosophical, artistic, musical, and literary works from the age of the Baroque to the present. The main topics of discussion include: Romanticism, Italian unification, theatre, opera, Futurism, fascism, Neorealism, regional differences, and industrialization. Field trips and viewing of movies included. This course includes a component designed to enhance students' research experience. (Offered in Siena only)

ITA359Y0: Students who wish to petition the Department for credit towards a Specialist or Major in Italian will be required to do the readings in Italian.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

ITA360H1 - Italian Linguistics

Hours: 24L

For students having a knowledge of Italian and/or Italian dialects but no background in linguistics. Concepts of general linguistics. Italy as a linguistic entity. The structure of contemporary Italian, with special regard to its sound system and grammatical categories. This course includes a component designed to enhance students' research experience. (Given in English)

Prerequisite: ITA250Y1/ ITA251Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

ITA364H1 - Italian and Social Media

Hours: 24L

The aim of this course is to examine how media can influence the evolution of language in contemporary Italy. The first part of this course has an historical goal and will be devoted to the role played by 'traditional' media (television, radio, newspapers) in the linguistic history of Italian. The second part will be devoted to the impact that social media is having on Italian. Empirical quantitative research will be based on the most important databases for contemporary Italian.

Prerequisite: ITA250Y1/ ITA251Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

ITA367H1 - Topics in Italian Linguistics

Hours: 2L/0T/0P/0S

An open course that explores specific aspects of Italian Linguistics. This course includes a component designed to enhance students' research experience. (Given in English)

Prerequisite: ITA250Y1/ ITA251Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

ITA370H1 - Power and Success in the Renaissance

Hours: 24L

Concepts of power and strategies for success in Renaissance texts including Machiavelli's *Il principe*, Castiglione's *Il libro del cortegiano* and Della Casa's *Galateo*. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ ITA251Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

ITA378H1 - Topics in Italian Studies

Hours: 24L/0T/0P/0S

An open course that explores specific aspects of Italian Studies. This course includes a component designed to enhance students' research experience. (Given in English)

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA379H1 - Topics in Italian Studies**Hours:** 24L/0T/0P/0S

An open course that explores specific aspects of Italian Studies. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ ITA251Y1/ ITA252Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**ITA395Y0 - Special Topics in Italian Studies****Hours:** 48S

The area of concentration will depend upon the instructor teaching the course in any given year. (Offered only during the summer through the Summer Abroad Program.) Not available for CR/NCR option.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**ITA380H1 - The Prose of the World: The Modern Italian Novel and the Realist Tradition****Hours:** 24L

This course examines the development of modern Italian novel by taking as its focus the question of the relationship between narrative and the world. The course analyzes some of the major figures of Nineteenth-Century realist tradition such as Manzoni and Verga, as well as the resurgence of realist narrative in the post-World War II period with authors such as Pavese and Calvino. This course includes a component designed to enhance students' research experience. (Given in English)

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**ITA398H0 - Research Excursions****Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. This course includes a component designed to enhance students' research experience. Not available for CR/NCR option.

Distribution Requirements: Humanities**ITA398Y0 - Research Excursions****Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. This course includes a component designed to enhance students' research experience.

Distribution Requirements: Humanities**ITA399Y1 - Research Opportunity Program****Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

ITA390H1 - The Commedia dell'Arte**Hours:** 24L

A study of the conventions of the Commedia dell'Arte tradition in the context of its performance history from the late Renaissance to the present. Issues examined include acting techniques, improvisation, masks and costumes, iconography and adaptation to film. This course includes a component designed to enhance students' research experience. (Given in English)

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

ITA400H1 - Machiavelli**Hours:** 24S

An intensive study of Machiavelli's major works in English translation, including his political treatises (*The Prince*, excerpts from *The Discourses*), plays (*The Mandrake Root*), letters, and short story (*Belfagor*), in the context of Renaissance Florence, the history of Machiavelli criticism, and modern ethical debates. This course includes a component designed to enhance students' research experience. (Given in English)

Prerequisite: Completion of at least 10.0 FCEs**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**ITA421H1 - Spinning a Tale: The Italian Short Story after 1800****Hours:** 24L

Focusing on short stories by some of the most important authors of the Twentieth Century, such as Pirandello and Calvino, this course will provide an introduction to the major tendencies of contemporary Italian literature. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ ITA251Y1, and at least 0.5 FCE ITA literature courses at the 300-level**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**ITA410H1 - Masterpieces of Modern Drama****Hours:** 24L

This course will study works by the major Italian playwrights of the Twentieth Century, including two of Italy's Literature Nobel Prize winners, Luigi Pirandello and Dario Fo. Particular attention will be paid to the relationship between individual works and broader literary and cultural movements, as well as to issues regarding staging and production of the plays under discussion. The course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ ITA251Y1, and at least 0.5 FCE ITA literature courses at the 300-level**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**ITA425H1 - Special Topics in Italian Studies****Hours:** 24L/0T/0P/0S

A course on specific topics in Italian Studies, designed for advanced students. This course includes a component designed to enhance students' research experience. (Given in English)

Prerequisite: Completion of at least 7.0 FCEs**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**ITA426H1 - Special Topics in Italian Studies****Hours:** 24L/0T/0P/0S

A course on specific topics in Italian Studies, designed for advanced students. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ ITA251Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**ITA427H1 - Special Topics in Italian Linguistics****Hours:** 24L/0T/0P/0S

A course on specific topics in Italian Linguistics, designed for advanced students. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ ITA251Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**ITA420H1 - Spinning a Tale: The Italian Short Story from Boccaccio to Basile****Hours:** 24L

The short story genre and its development from the Middle Ages to the Baroque. In addition to Boccaccio's tales, included are some of the most famous stories of Western literature, which later inspired masterpieces in all art forms, such as *Romeo and Juliet*, *Othello* and *Puss in Boots*. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ ITA251Y1, and at least 0.5 FCE ITA literature courses at the 300-level**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

ITA431H1 - History of Italian Language I-from Middle ages to Cinquecento

Hours: 24L

An historical overview of the Italian language from the first Medieval documents to the texts of the *Questione della Lingua*. It deals with historical grammar and the analyses of early Italian texts. An introduction to notions of linguistic statistics. Empirical quantitative methods are based on the three most important databases of old Italian: TLIO, OVI, BIZ. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ ITA251Y1

Exclusion: ITA430H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

ITA441H1 - Italian Cinematic Adaptation

Hours: 24L

An analysis of the process of adaptation in an exploration of the ideological and narratological perspectives as well as the stylistic elements of literary and cinematic discourse. Selections include novels by Verga, Tomasi di Lampedusa, Moravia, Bassani and their filmic adaptations by directors such as Visconti, De Sica, Bertolucci. This course includes a component designed to enhance students' research experience. (Given in English)

Recommended Preparation: One of: ITA240Y1/ ITA340H1/ ITA341H1/ ITA347H1. Knowledge of Italian recommended

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA445H1 - Literature of the Italian Diasporas

Hours: 24L

This course examines works by writers of Italian descent, focusing on themes linked to the second-generation experience, such as intergenerational conflict, gender relations, the return journey, and the quest for identity. The comparative approach of this investigation will bring within the same framework the diasporic literatures of Canada, the United States, Argentina, Brazil, Australia, and of other countries. (Texts available in English and in their original language). This course includes a component designed to enhance students' research experience. (Given in English)

Recommended Preparation: ITA233H1/ ITA345H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA450H1 - Advanced Italian

Hours: 36S

This advanced-level course is designed to provide students with further study of the Italian language and culture with emphasis on varied methods of expression. This course will improve students' oral and written communication skills.

Prerequisite: ITA350Y1 / ITA351Y1

Exclusion: ITA451H1/ ITA452H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA433H1 - Italian Language and Italian Dialects in Toronto

Hours: 24L

Through an historical overview of Italian immigration in Toronto, the role of Italian and Italian dialects in the city will be examined. As part of the topic studied in course, students will contribute to the website of the OIM by collecting varied forms of empirical linguistic evidence.

Prerequisite: ITA250Y1/ ITA251Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

ITA455H1 - Women Writers in Italy

Hours: 24L

The course will focus on the writings of women in different periods of Italian history. Spanning a variety of genres, from the novel to autobiography, from poetry to essayism, the course will discuss various aspects of the debate regarding the changing roles of women in society. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ ITA251Y1, and at least 0.5 FCE ITA literature courses at the 300-level

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

ITA495H1 - Directed Research

Hours: TBA

Based on a professor's research project currently in progress, this course will enable an undergraduate student to play a useful role in the project while receiving concrete training in research. This course is mandatory for all students enrolled in the specialist's program.

Prerequisite: Permission of Department

Distribution Requirements: Humanities

ITA496H1 - Research Methods

Hours: TBA

This course, linked to the instructor's research project, will provide training in a variety of research methods. This course includes a component designed to enhance students' research experience.

Prerequisite: Permission of Department

Distribution Requirements: Humanities

ITA460Y1 - Internship in Italian

Hours: 48P

Opportunity to apply acquired knowledge in a work placement environment. The placement will take place in local community organizations, Private Business Associations and local media.

Prerequisite: ITA350Y1/ ITA351Y1/ ITA352Y1 or ITA371Y1

Corequisite: Must be enrolled in 4th year.

3.0 CGPA required.

Departmental interview.

Distribution Requirements: Humanities

ITA489H1 - Independent Studies

Hours: TBA

An opportunity to pursue at the 400-level an independent course of study not otherwise available. A written proposal, co-signed by the instructor, must be submitted on the appropriate proposal form for approval by the Department of Italian Studies. Application deadline: April 30 for F courses, November 30 for S courses.

Prerequisite: Permission of Department

Distribution Requirements: Humanities

ITA490Y1 - Independent Studies

Hours: TBA

In exceptional circumstances, students may request to pursue at the 400-level an independent course of study not otherwise available. A written proposal, co-signed by the instructor, must be submitted on the appropriate proposal form for approval by the Department of Italian Studies. Application deadline April 30.

Prerequisite: Permission of Department

Distribution Requirements: Humanities

Centre for Jewish Studies

Faculty List

Director

A. Shternshis, MA, D Phil, PhD (GER) Al and Malka Green
Associate Professor of Yiddish Studies

Undergraduate Coordinator

Y. Fehige, MPhil, PhD (IHPST)

Graduate Coordinator

D. Bergen, MA, PhD (HIS) Chancellor Rose and Ray Wolfe Chair of Holocaust Studies

Professors Emeriti

E. Birnbaum, BA, Dipl OAS (NMC)
B.E. Dresher, BA, PhD (LIN)
L.R.M. Garshowitz, PhD (NMC)
J. Kornberg, MA, PhD (HIS)
M.R. Marrus, MA, PhD (HIS)

University Professor

L. Viola, PhD (HIS)

Professors

E. Adler, MA, PhD (POL) Andrea and Charles Bronfman Professor of Israeli Studies
S. Akbari, MA, PhD (ENG, CMS)
R. Beiner, BA, DPhil (POL)
D. Bergen, MA, PhD (HIS) Chancellor Rose and Ray Wolfe Chair of Holocaust Studies
J. Bryant, MA, PhD (REL, SOC)
R. Brym, MA, PhD (SOC)
M. Chazan, M Phil, PhD (ANT)
C. Clark, PhD (MUS)

S. Coleman, BA, MA, PhD (RLG)
R. Comay, MA, PhD (PHL)
Y. Fehige, PhD (HPS)
E. Geva, PhD (SCCP)
K. Green, MA, PhD (RLG)
W. Goetschel, M Phil, PhD (GER, PHL)
R. Gibbs, MA, PhD (PHL)
A. Harrak, MA, PhD (NMC)
T. Harrison, MA, PhD (NMC)

M. Hewitt, BA, MA, PhD (RLG, TST)
I. Kalmar, MA, PhD (ANT)
L. Kaplan, MA, PhD (ART)
J. Kloppenborg, MA, PhD (RLG)
R. Leprohon, MA, PhD (NMC)
L. Livak, MA, PhD (SLA)
M. Meyerson, MA, PhD (HIS)
A. Most, MA, PhD (ENG)
D. Novak, MHL, PhD (RLG) J. Richard and Dorothy Shiff Professor of Jewish Studies
C. Orwin, MA, PhD (POL)
D. Penslar, MA, PhD (HIS) Samuel J. Zacks Professor of Jewish History
A. Quayson, PhD (ENG, DTS)
J. Retallack, BA, DPhil (HIS)
A. Ripstein, MA, PhD, MSL (LAW, PHL)
J. Ross, MA, PhD (HIS)
M. Subtelny, MA, PhD (NMC)
H. Troper, BA, MA, PhD (OISE)
L. Weinrib, BA, LLB, LLM (POL, LAW)
E. Weinrib, PhD, LLB (LAW)

Associate Professors

V. Ambros, MA, PhD (SLA)
K. Blouin, MA, PhD (CLA)
A. Cohen, MA, PhD (ART)
R. Dinovitzer, PhD (SOC)
H. Fox, MA, PhD (NMC, RLG)
J. Harris, MA, PhD (SMC, RLG)
D. Heller, BA, MA, PhD (LIN)

R. Holmstedt, MA, PhD (NMC)

R. Levi, PhD (SOC) George Ignatieff Professor of Peace and Conflict Studies
J. Marshall, MA, PhD (RLG)
T. Meacham, MA, PhD (NMC)
S. Metso, MA, ThD (NMC)
J. Newman, MA, PhD (REL)
W. Saleh, MA, PhD (NMC, REL)
A. Shternshis, MA, D Phil, PhD (GER) Al and Malka Green Associate Professor of Yiddish Studies
N. Stang, MA, PhD (PHL)

K. Weisman, MA, PhD (ENG)

R. Wittmann, MA, PhD (HIS)
P. Wróbel, MA, PhD (HIS) Konstanty Reynert Professor of Polish Studies

Assistant Professors

A. Komaromi, MA, PhD (VIC)
A. Paz, MA, BA, PhD (ANT)
D. Silver, PhD (SOC)
S. Vande Moortele, PhD (MUS)

Associate Professors, Teaching Stream

R. Austin, PhD (ERE)
E. Gold, BA, MA, PhD (LIN)
S. Goldberg, MA, PhD (CJS, RLG)
Y. Nizri, PhD (CJS, RLG)

Special Lecturers

G. Moskowitz, PhD (CJS, ENG) Ray D. Wolfe Postdoctoral Fellow

Introduction

The undergraduate program at the Anne Tanenbaum Centre for Jewish Studies (CJS) builds on the expertise and range of the faculty. The program is organized around four areas of interest that reflect the diverse strengths of the CJS. The Specialist and Major programs of study requires one of the gateway courses, [CJS200H1](#) or [CJS201H1](#), and a half credit course at the 400-level. The Minor program of study requires either [CJS200H1](#) or [CJS201H1](#).

Four Areas of Interest:

I. Classical Judaism

The civilization of the people of the book has produced a rich, classical literature: the Hebrew Bible, the Dead Sea Scrolls, Hellenistic texts, as well as rabbinic literature from the earliest targumic and midrashic interpretations through the Talmuds and geonic traditions to medieval commentators on Talmudic texts. We situate these texts in their linguistic and cultural contexts, and study them with philological rigour. Our students learn to trace the development of the Jewish imagination in its interactions with surrounding cultures and to appreciate its many expressions: legal, exegetical, mythic, and mystical. Jewish civilization emerges as a highly variegated collection of phenomena and traditions.

II. Jewish Philosophy and Thought

Both in the ancient world and contemporary society, many vital questions have arisen from Jewish experience and its interaction with diverse religions and philosophies. Why would the perfect, all-sufficient God care to speak to human beings? How could God's inner life be described? What is the relationship between law and ethics? What future could a particular, religious identity have in a secular democracy based on universal values? What can traditional Jewish sources contribute to contemporary feminism and what does contemporary feminism have to say about the traditionally gendered view of Jewish commandments? In addressing these questions, we teach students to engage critically with the great figures in the history of Jewish thought, from Philo to Maimonides, from Spinoza to Rosenzweig.

III. Jewish History and Social Sciences

Covering the whole range of Jewish history, from ancient Israelites to modern Israel, from medieval Spain to the Holocaust and beyond, our courses explore both the ideal and material aspects of the many contexts in which Jewish civilization has survived and thrived, while offering a unique perspective on world history. Social sciences such as anthropology, political science, and sociology enrich our comprehension of today as well as yesterday by exploring phenomena such as collective memory, group identity, and inter-group conflict. Our courses give students the tools not only to understand the past but also to shape the future.

IV. Jewish Cultures, Languages, and Literatures

We offer a rich variety of courses in Jewish literature, film, and theatre, as well as Yiddish and Hebrew language. How have Jews expressed their resilience and imagination under the extreme conditions of the Holocaust or within communist societies? What is the Jewish contribution to North American popular culture? From the social lives of contemporary Russian Jews to the impact of Israeli folk dance on national identity, from experimental Jewish photography to Jewish involvement in Broadway musicals, we investigate the many ways in which Jews express their identity and creativity in cultures around the world.

More information:

cjs.events@utoronto.ca
416-978-1624
www.cjs.utoronto.ca

Completion Requirements:

(10 FCEs, including at least 4 FCEs at the 300+ level and at least 1 FCE at the 400-level.)

1. CJS200H1/ CJS201H1

2. 1 FCE at the 400 level in any of the four areas of Jewish Studies (see CJS website for the list of approved and available courses: www.cjs.utoronto.ca/undergraduate/courses).

3. 3 FCEs or proof of proficiency in one of the following languages: Aramaic, Hebrew, Yiddish. Other languages are accepted with special permission. Students entering the program with requisite linguistic proficiency in a Jewish language will choose any 3 FCEs in an area of concentration (see below) in addition to the regular requirements described in section 4.

4. 5 FCEs in any of the four areas of Jewish Studies.

5. Note: From section 3 and 4, at least 4 FCEs at the 300+ level.

6. DTS300H1 or 0.5 FCE to satisfy the Quantitative Reasoning competency of the program, to be chosen from courses in Jewish Studies developing this competency. If none is available, 0.5 FCE from Breadth Requirement Category #5: The Physical & Mathematical Universe, or 0.5 FCE approved by the Undergraduate Director.

Jewish Studies Major (Arts Program) - ASMAJ0385

Enrolment Requirements:

There are no specific first-year requirements; however, first-year students are welcome to take CJS200H1, CJS201H1, Hebrew Language courses (MHB155H1 and MHB156H1), and Yiddish (GER260Y1), which count towards the Jewish Studies Major.

Completion Requirements:

(6.5 FCEs, including at least 2 FCEs at the 300+ level, 0.5 of which must be at the 400-level)

1. CJS200H1/ CJS201H1

2. 0.5 FCE in a 400-level course in any area of Jewish Studies (see CJS website for the list of available courses for any given year: www.cjs.utoronto.ca/undergraduate/courses)

3. 5 FCEs in any of the four areas of Jewish Studies, with at least 2 FCEs at the 300+ level.

4. DTS300H1 or 0.5 FCE to satisfy the Quantitative Reasoning competency of the program, to be chosen from courses in Jewish Studies developing this competency. If none is available, 0.5 FCE from Breadth Requirement Category #5: The Physical & Mathematical Universe, or 0.5 FCE approved by the Undergraduate Director.

Centre for Jewish Studies Programs

Jewish Studies Specialist (Arts Program) - ASSPE0385

Enrolment Requirements:

There are no specific first-year requirements; however, first-year students are welcome to take CJS200H1, CJS201H1, Hebrew Language courses (MHB155H1 and MHB156H1) and Yiddish (GER260Y1), which count towards the Jewish Studies Specialist.

Jewish Studies Minor (Arts Program) - ASMIN0385

Enrolment Requirements:

There are no specific first-year requirements; however, first-year students are welcome to take [CJS200H1](#), [CJS201H1](#), and Hebrew Language courses ([MHB155H1](#) and [MHB156H1](#)) and Yiddish Language courses ([GER260Y1](#)), which count towards the Jewish Studies Minor.

Completion Requirements:

(4 FCEs, including at least 1 FCE at the 300+ level)

1. [CJS200H1/ CJS201H1](#)

2. 3.5 FCEs in any of the four areas of Jewish Studies, including at least 1 FCE at the 300+ level (see CJS website for the list of available courses for any given year:
www.cjs.utoronto.ca/undergraduate/courses)

Centre for Jewish Studies Courses

CJS200H1 - Introduction to Jewish Thought

Hours: 24L

A balanced presentation of the multifaceted approach to the discipline by treating Jewish religion and thought. The course introduces students not only to a chronological and thematic overview of the subject, but also to different methodological approaches.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

CJS201H1 - Introduction to Jewish Culture

Hours: 24S

General introduction to history, literatures and cultures of Jewish people from antiquity to contemporary. A balanced presentation of multi-disciplinary approaches and multi-methodological approaches to Jewish studies, with a special emphasis on Jewish cultural studies and Jewish secularity.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CJS220H1 - The Holocaust in Fiction

Hours: 24S

The course examines literary works written in different languages, in ghettos and concentration camps during the Holocaust, as well as those reflecting on the genocide in its aftermath. We focus on literature as a means of engaging with the unimaginable and on the cross analysis of eye-witness and memory writing.

Recommended Preparation: CJS200H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CJS230H1 - God, Nation, and Self Transformed: The Secularization of the Jewish Experience

Hours: 24S

The course provides a theoretical background to the issue of secularization and examines the diverse attempts to define on a secular basis the Jew, the Jewish nation, and the Jewish God since the breakdown of traditional Jewish society. A variety of Jewish secularisms are examined in a larger, non-Jewish context.

Recommended Preparation: CJS200H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

CJS290H1 - Topics in Jewish Studies

Hours: 24L/24T

An examination of issues in Jewish Studies. Content in any given year depends on instructor.

Distribution Requirements: Humanities

CJS330H1 - Who's a Jew? Theory, Myth, and Practice

Hours: 24L

This course introduces students to the host of core concepts in terms of which Jewish identity has been and continues to be defined and debated. Topics include: the difference between insiders and outsiders; collective vs individual identity; the nature of the bond between group members; identification across time, space, and disagreements; social and gendered hierarchies; joining and leaving the group; the identities of outsiders.

Exclusion: CJS290H1 (Topics in Jewish Studies: Who is a Jew?), offered in Fall 2014 and Fall 2015

Recommended Preparation: CJS200H1 or CJS201H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

CJS383H1 - Jews and Power

Hours: 24L

This course will explore the relationship of Jews to political power. Among the themes to be covered are: How has the relationship of the Jewish community to political authority changed over time? What is the Jewish conception of political authority? How did Jews protect their communal and individual rights in the absence of sovereignty? How did the dynamics of antisemitism, philosemitism, and anti-Jewish violence change over time? How did Zionism and the revival of Jewish sovereignty change the position of Jews in the political order? What are the political and moral dilemmas posed by statehood? And what are the implications of Jewish sovereignty for Jews in the Diaspora?

Prerequisite: POL101Y1 or CJS200H1 or CJS201H1

Exclusion: POL383H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CJS340H1 - Mizrahim in Israel: History, Politics, and Culture

Hours: 24L

What is the significance of the designation "Mizrahi" in Israel today? Does it refer to people who share a common geographical and ethnic origin or does it indicate a shared worldview that draws upon Middle Eastern Arabic culture? What are its relations with other terms, such as "Sephardi," "Oriental," or "Levantine"? What kind of political membership does it entail? Does it possess a certain cultural, religious, or political vocabulary? And, ultimately, does the diasporic concept of "Mizrahiyut" (mizrahiness) undermine national homogeneity or rather facilitate and enable its enforcement?

Exclusion: CJS390H1 (Special Topics in Jewish Studies: Mizrahim in Israel: History, Politics, and Culture), offered in Summer 2017

Recommended Preparation: CJS201H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

CJS389H1 - Jewish Secularism and Messianic Thought: From Spinoza to Derrida

Hours: 24S

This course examines the critical role that Messianic thought plays in the emergence of modern Jewish secular thought. A study of the secular dimension of Messianism in the writings of Jewish philosophers, from Spinoza to Derrida, leading to the larger question of its place in the project of Jewish modernity.

Recommended Preparation: CJS200H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

CJS390H1 - Special Topics in Jewish Studies

Hours: 24L

An examination of issues in Jewish Studies. Content in any given year depends on instructor.

Prerequisite: Permission of the instructor/program

Distribution Requirements: Humanities

CJS400H1 - Research Seminar in Jewish Studies

Hours: 24S

An interdisciplinary seminar in which Jewish Studies topics are explored intensively, culminating in a major research paper by each student. Not eligible for CR/NCR option.

Prerequisite: JSP200H1; permission of the instructor/program

Distribution Requirements: Humanities

CJS401H1 - Community & Identity

Hours: 24S

Exploration of Jewish notions of community, identity, and humanity in classic and contemporary sources as well as through experiential learning in which students are placed in internships at organizations and institutions that identify themselves as Jewish and as serving the Jewish community in the GTA. Not eligible for CR/NCR option.

Prerequisite: CJS200H1 or CJS201H1 and at least two other half-courses in Jewish Studies; permission of instructor

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

CJS401Y1 - Community & Identity

Hours: 48S

Exploration of Jewish notions of community, identity, and humanity in classic and contemporary sources as well as through experiential learning in which students are placed in internships at organizations and institutions that identify themselves as Jewish and as serving the Jewish community in the GTA. Not eligible for CR/NCR option.

Prerequisite: CJS200Y1 or CJS201Y1 and at least two other half-courses in Jewish Studies; permission of instructor

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

CJS430H1 - Encounters between Jewish and Modern Thought

Hours: 24L

A detailed exploration of how Jewish thought develops in relationship to key figures or moments in modern European philosophy (e.g., Spinoza, Kant, Hegel, Kierkegaard, Marx, Nietzsche, Heidegger). The particular focus varies from year to year.

Exclusion: CJS490H1 (Advanced Topics in Jewish Studies: Kierkegaard and Modern Jewish Philosophy), offered in Fall 2015

Recommended Preparation: CJS201H1 or a course in either modern European philosophy

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

CJS440H1 - The Arab Jew: A History of a Concept

Hours: 24L

This course invites students to explore the debates around the term "Arab Jews." A cultural, historical, and historiographical designation, the term encompasses a range of experiences for Arabic-speaking Jews. These Jews lived in diverse cultural worlds across the Middle East and North Africa, where they developed deep and enduring relationships with non-Jews, and were instrumental in shaping local, regional and national cultures and politics. By engaging with the term "Arab Jews" in its various incarnations, the course offers new perspectives on questions of Zionism and nationalism, colonialism and geography, religion and secularization, as well as historiography and memory.

Exclusion: CJS491H1 (Advanced Topics in Jewish Studies: The Arab Jew: A History of a Concept), offered in Winter 2017

Recommended Preparation: CJS201H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CJS444H1 - Topics in the Study of Antisemitism

Hours: 24L

This seminar explores in depth one of the many theoretical or methodological issues that confront scholars of antisemitism. Possible topics include: definitions of antisemitism and their purposes; philosemitism and its conceptual and real connection with antisemitism; Jewish self-hatred; contextualist vs eternalist accounts of antisemitism; classic and contemporary theories of antisemitism.

Recommended Preparation: RLG344H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

CJS490H1 - Advanced Topics in Jewish Studies

Hours: 24S

An in-depth investigation of topics in Jewish Studies. Content in any given year depends on instructor.

Prerequisite: Permission of the instructor/program

Distribution Requirements: Humanities

CJS491H1 - Advanced Topics in Jewish Studies

Hours: 24S

An in-depth investigation of topics in Jewish Studies. Content in any given year depends on instructor.

Prerequisite: Permission of the instructor/program

Distribution Requirements: Humanities

CJS498Y1 - Independent Study

Hours: TBA

A scholarly project on an approved topic supervised by a faculty affiliated with the Centre for Jewish Studies. Not eligible for CR/NCR option.

Prerequisite: CJS200H1 and permission of the Centre

Recommended Preparation: CJS400H1

Distribution Requirements: Humanities

CJS499H1 - Independent Study

Hours: TBA

A scholarly project on an approved topic supervised by a faculty affiliated with the Centre for Jewish Studies. Not eligible for CR/NCR option.

Prerequisite: CJS200H1 and permission of the Centre

Recommended Preparation: CJS400H1

Distribution Requirements: Humanities

Laboratory Medicine and Pathobiology

Faculty List

Professor and Chair of the Department

R. Kandel, MD (Professor and Chair)

Professors

K. Adeli, PhD
 S.L. Asa, MD, PhD
 I. Aubert, PhD
 B. Bapat, PhD
 M. Bendeck, PhD
 C. Bergeron MD
 J. Butany, PhD
 D.E.C. Cole, MD, PhD
 M. Cybulsky, MD
 E.P. Diamandis, MD, PhD
 A.I. Gotlieb, MDCM
 M.D. Grynpas, PhD
 P. Hamel, PhD
 R.G. Hegele, MD, PhD
 A. Hinek, PhD
 D.M. Irwin, PhD
 S. Jothy, MD, PhD
 S. Kamel-Reid, PhD
 R. Kandel, MD
 F.W. Keeley, PhD
 G.A. Levy, MD
 C.A. Lingwood, PhD
 D. Mahuran, PhD
 P.A. Marsden, MD
 T. Mazzuli, MD
 A. McGeer, MD
 C. McKerlie, DVM, DVSc
 J. McLaurin, PhD
 H. Ni, MD, PhD
 M. Ohh, PhD
 M. Opas, PhD
 M. Pollanen, PhD, MD
 J. Prud'homme, MD
 S. Richardson, MD
 J. Robertson, PhD
 A. Seth, PhD
 P. Shek, PhD
 A.E.M. Simor, MD
 B. Strauss, MD, PhD
 D.M. Templeton, PhD, MD
 P. Thorner, MD, PhD
 M.S. Tsao, MD
 G.A. Wilson, MD
 B. Yang, PhD
 H. Yeger, PhD
 G. Yousef, MD, PhD
 L. Zhang, PhD
 M. Zielenska, PhD

Associate Professors

H.P. Elsholtz, PhD
 J. Fish, PhD
 S. Girardin, PhD
 D. Hwang, PhD, MD
 J. Lee, PhD
 K. Mekhail, PhD
 J. Mogridge, PhD
 M. Rozakis-Adcock, PhD
 G. Schmitt-Ulms, DNS

Assistant Professors

L. Fu, PhD
 P. Yip, PhD

Introduction

The Department of Laboratory Medicine and Pathobiology provides a bridge between the basic sciences and medicine. Investigating the molecular mechanisms of disease is an important priority of the department. Faculty are concerned with the biochemical changes that may be associated with cell and tissue injury and with the etiology, pathogenesis and behaviour of disease. Research is carried out in such areas as cardiovascular disease, immunopathobiology, neuropathology, endocrinology and metabolism, neoplasia, bone and connective tissue disease, clinical and molecular epidemiology, antibiotic resistance, and molecular pathogenesis of infectious disease.

The Pathobiology Specialist program gives students a broad understanding of contemporary medical research and basic scientific insights that have revolutionized our understanding of disease in recent years. Aspects of biochemistry, chemistry, cellular and molecular biology, and genetics are brought to bear upon human pathology. Graduates from the program will frequently pursue graduate studies in medical research and eventual research careers in academic, industrial, pharmaceutical, or governmental laboratories. A knowledge of cellular and molecular mechanisms of disease processes is also useful in a wide variety of multidisciplinary careers in government, regulatory agencies, law, and environment.

Undergraduate Secretary: Prof. D.M. Templeton
doug.templeton@utoronto.ca

Undergraduate Office/General inquiries: Louella D'Cunha, Medical Sciences Building, Rm. 6221, (416-946-7459;
Louella.Dcunha@utoronto.ca)

More information is available on our website:
<http://www.lmp.utoronto.ca/>

Course Coordinators:

LMP300Y1: Dr. D.M. Templeton (416-978-3972)
LMP301H1: Dr. L. Fu (416-323-6400 ext 4427) / Dr. P. Yip (416-340-4800)
LMP363H1: Dr. J. Butany (416-340-3003) / Dr. V. Kulasingam (416-340-4800 x8589)
LMP365H1: Dr. M. Ohh (416- 946-7922)
LMP402H1: Dr. M. Cybulsky (416-581-7483) / Dr. J. Mogridge (416-946-8095)
LMP403H1: Dr. H. Ni (416-864-6060 ext 6758)
LMP405Y1: Dr. M. Opas (416-971-2140)
LMP406H1: Dr. M. Bendeck (416-946-7133)
LMP408H1: Dr. K. Mekhail (416-946-8132)
LMP410H1: Dr. J. Robertson (416-507-6875) / Dr. G. Schmitt-Ulms (416-507-6864)
LMP415H1: Dr. M. Bellis (647-329-1913) / Dr. J. Herath (647-329-1926)
LMP436H1: Dr. S. Girardin (416-978-7507)

Laboratory Medicine and Pathobiology Programs

Pathobiology Specialist (Science Program) - ASSPE2025

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's marks in the 3.0 required first-year courses:

BIO120H1, BIO130H1, (CHM135H1, CHM136H1)/ CHM151Y1; (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1.

Note: Students must apply to this program on the Arts & Science Faculty Registrar's Office website (see the [Arts & Science Program Enrolment web site](#) for application procedures) from early April to mid-May. At later times, contact the LMP Undergraduate Office.

Completion Requirements:

(13.5 full courses or their equivalent, including at least two 400-series courses)

First Year:

(BIO120H1, BIO130H1); (CHM135H1, CHM136H1)/ CHM151Y1; (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1

First or Second Year:

(PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Second Year:

BCH210H1; BIO230H1; BIO260H1/ HMB265H1; CHM220H1; CHM247H1/ CHM249H1; PSL300H1; PSL301H1; STA220H1; BIO220H1

Third Year:

BCH370H1; BCH311H1/ CSB349H1; (IMM340H1, IMM350H1)/(IMM341H1, IMM351H1)/(MGY377H1, MGY378H1); LMP300Y1/(LMP340H1, LMP350H1), LMP365H1

Fourth Year:

At least 4 of LMP402H1, LMP403H1, LMP405Y1, LMP406H1, LMP408H1, LMP410H1, LMP415H1, LMP436H1 (Note: If the research project LMP405Y1 is taken, three additional courses from the list are still required.)

Laboratory Medicine and Pathobiology Courses

LMP299Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Science

LMP301H1 - Introduction to the Biochemistry of Human Disease

Hours: 24L

Introduces concepts and mechanisms of disease processes as they arise from disturbances of normal biochemical and physiological functions. The rational use of the clinical biochemistry laboratory in the diagnosis and management of disease is explained. Not intended for students in the Pathobiology Specialist program.

Prerequisite: BCH210H1/ BCH242Y1

Exclusion: LMP300Y1

Recommended Preparation: PSL201Y1/ PSL300H1/ PSL301H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

LMP340H1 - Introduction to Pathobiology I

Previous Course Number: LMP300Y1

Hours: 18L/12T/6P

Concepts in pathogenesis, cell injury, adaptation and death; oxidative stress, ion channels and pumps, calcium homeostasis. Molecular basis of diseases affecting iron, blood and the cardiovascular system. The laboratory examines anatomical and histopathological specimens in cardiac disease.

Prerequisite: Enrolment is limited to students specializing in Pathobiology who have completed, or are completing, the first and second year requirements of the program.

Exclusion: LMP300Y1, LMP301H1, LMP363H1

Recommended Preparation: Second Year required courses for the Pathobiology Specialist Program

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

LMP350H1 - Introduction to Pathobiology II

Previous Course Number: LMP300Y1

Hours: 24L/12T

Molecular basis of tissue repair and fibrosis, endocrine and signaling disorders, introduction to neurodegenerative diseases. Animal models and genetic basis of disease. Mechanisms infection by virus, bacteria and parasites. Topics are chosen to complement LMP340H1 and introduce areas that may be explored in more depth in 400-level LMP courses. Enrolment is limited to students specializing in Pathobiology who have completed LMP340H1.

Prerequisite: LMP340H1

Exclusion: LMP300Y1, LMP301H1, LMP363H1

Recommended Preparation: Second Year required courses for the Pathobiology Specialist Program

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

LMP363H1 - Principles of Pathobiology

Hours: 24L

Pathological changes brought on by foreign compounds; mechanisms of pathologic, toxic and carcinogenic change.

Prerequisite: BIO230H1, CHM247H1/ CHM249H1

Exclusion: LMP300Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

LMP365H1 - Neoplasia

Hours: 20L/4P

A general introduction to the cellular and molecular aspects of cancer and its etiology. The laboratory component presents the range of benign and malignant tumor types at the gross and histological levels. Pathophysiology of cancer, invasion and metastases, role of the immune system.

Corequisite: LMP300Y1 or permission of department

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

LMP399Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

LMP402H1 - Inflammation and Infection

Hours: 24L

Mechanisms that allow microbial pathogens to cause disease and the host to detect infection, mount an inflammatory response and resolve the infection. Primary research articles are discussed. Topics include commensal bacteria, bacterial toxins, pattern recognition receptors, leukocyte emigration, chemotaxis, and the role of non-coding RNAs in immunity.

Prerequisite: (IMM340H1, IMM350H1)/(IMM341H1, IMM351H1)/(MGY377H1, MGY378H1)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

LMP403H1 - Immunopathology

Hours: 24L

The immune system in disease. Responses of the immune system to host invasion, injurious stimuli, and transplantation.

Immunopathology of organ-specific diseases including pancreas, gut, liver, heart, kidney, and blood. Intended for students specializing in pathobiology or related programs.

Prerequisite: (IMM340H1, IMM350H1)/(IMM341H1, IMM351H1)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

LMP405Y1 - Project in Pathobiology

Hours: 154P

A self-contained research project to be completed under the supervision of a faculty member. The main areas of research are as listed in the description of the Department (above). The student will normally have completed three full years of study, and is expected to devote at least one full day per week to the project. Admission is by arrangement with the Department and with a particular supervisor. A list of potential supervisors is available from the Departmental Office and on our web site. Not eligible for CR/NCR option.

Prerequisite: BCH210H1/ BCH242Y1, LMP300Y1/(LMP340H1, LMP350H1)/ LMP363H1/ LMP365H1, and permission of department

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

LMP406H1 - Pathobiology of the Cardiovascular System

Hours: 24L

Pathobiology of the heart, blood vessels, and lymphatic system. Congenital diseases of the heart, ischemic injury, stroke. Treatments of vascular disease and cardiovascular biomaterials. Major focus on atherosclerosis and hypertension. The emphasis is on the underlying cell biology of these processes.

Prerequisite: (PSL300H1, PSL301H1)/ PSL302Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

LMP415H1 - Forensic Pathobiology

Hours: 24L

A thematic review of the major scientific areas and research controversies in forensic medicine. The approach is mechanistic analysis and evidence-based medicine. Classical forensic medicine is critically analyzed with emphasis on experimental methods to resolve controversies. We also explore how the justice system utilizes medical and scientific data.

Prerequisite: LMP300Y1/(LMP340H1, LMP350H1)/permission of department

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

LMP408H1 - Genetic Modelling of Human Development and Disease

Hours: 24L

Introduces use of genetic model systems and organisms in exploring aspects of human reproduction, development, and disease. A major focus is on the impact of the genetic models on understanding human health, and disease. Ethical issues in animal research, genetic manipulation, and disease modeling are highlighted.

Prerequisite: LMP300Y1/(LMP340H1, LMP350H1)/ BIO260H1/ HMB265H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

LMP436H1 - Microbial Pathogenesis

Hours: 36L

Molecular mechanism involved in pathogenesis of infectious disease. Topics include recurrent themes in the establishment of infectious disease, such as adherence and spread of pathogenic bacteria as well as evasion of host defences. Emphasis is placed on genetic characterization and expression of virulence determinants and on interactions between bacterial pathogens and their hosts.

Prerequisite: BCH210H1/ BCH242Y1, (IMM340H1, IMM350H1)/(IMM341H1, IMM351H1)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

LMP410H1 - Pathobiology of Neurodegenerative Disease

Hours: 24L

Molecular basis of neurodegenerative diseases of the central and peripheral nervous systems. Emphasis on the molecular pathobiology of neurodegenerative diseases, current research developments and guidance with writing of research proposals. Mid-term and final exams will practice assembly of a succinct research proposal and query neurodegenerative disease material taught in course.

Prerequisite: BCH311H1/(PSL300H1, PSL301H1)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

Latin American Studies

Faculty List

Professors

Anne-Emanuelle Birn (International Development & Public Health)
 Gustavo J. Bobonis (Economics)
 Laura Colantoni (Spanish and Portuguese)
 Kevin L. O'Neill (Religion)
 Ana Teresa Pérez-Leroux (Spanish and Portuguese)
 Jeffrey M. Pilcher (History)
 Rosa Sarabia (Spanish and Portuguese)
 Judith Teichman (Political Science)

Associate Professors

Christian Abizaid (Geography & School for the Environment)
 Susan Antebi (Spanish and Portuguese)
 Kevin P. Coleman (Historical Studies)
 María Cristina Cuervo (Spanish and Portuguese)
 Rubén Gatzambide-Fernández (OISE)
 Gustavo Indart (Economics)
 Eva-Lynn Jagoe (Spanish and Portuguese, Centre for Comparative Literature)
 Teresa Kramarz (Munk School of Global Affairs and Public Policy)
 Mariana Mota Prado (Law)
 Valentina Napolitano (Anthropology)
 Melanie J. Newton (History)
 Alejandro Paz (Anthropology)
 Néstor E. Rodríguez (Spanish and Portuguese)
 Luisa Farah Schwartzman (Sociology)
 Edward R. Swenson (Anthropology)

Assistant Professors

Martha Balaguera (Political Science)
 Laura Doering (Rotman)
 Jerry Flores (Sociology)
 Ryan Isakson (Geography and Planning)
 Christopher Krupa (Anthropology)
 Suzi Lima (Linguistics)
 Sharlene Mollet (Critical Development Studies & Human Geography)
 Lena Mortensen (Anthropology)
 Jeff Packman (Music History and Culture)
 Luis van Isschot (History)

Senior Lecturer

Manuel Ramírez (Spanish and Portuguese)

Sessional Lecturers

Bernardo García Domínguez (New College & Latin American Studies)
 Donald Kingsbury (Political Science & Latin American Studies)
 Juan P. Marsiaj (Latin American Studies)
 Víctor R. Rivas (Latin American Studies)
 Antonio Torres Ruiz (Latin American Studies)
 Ramón Antonio (Arturo) Victoriano (Language Studies)

Professors Emeriti

Albert Berry (Economics)
 Peter Blanchard (History)
 Ricardo Sternberg (Spanish and Portuguese)

Introduction

The Latin American Studies program at the University of Toronto provides students in the social sciences and humanities an opportunity to engage and deepen their understanding of Latin American regions, their histories, politics, cultures, economies and societies. Courses encourage students to situate both their special interests and the contemporary debates in fields such as anthropology, political science, geography, literature, history, or sociology within a broader interdisciplinary framework, while at the same time committing themselves to an understanding of the historical, cultural and political experiences of Spanish and Portuguese America. Through an engagement with different texts and faculty expertise, this program trains students in current themes such as postcolonial thinking, critical readings of colonial histories, literary and anthropological genres, comparative politics, politics of indigeneity and human rights, as well as in environmental policies and political economy of Latin America and the Americas as a transnational whole. With the possibility to carry out curricula experience in Latin America and internship stages in Canada, this program also offers an important lead for career development experiences on Latin America. This knowledge is increasingly necessary for Canada, as the country enters into new trade, political, environmental, and academic agreements with our emerging hemispheric partners.

Students seeking counselling and information should visit the LAS website: <http://las.utoronto.ca> and/or contact the Program Coordinator at las.coord@utoronto.ca

Latin American Studies Programs

Latin American Studies Major (Arts Program) - ASMAJ0552

Completion Requirements:

There are no specific first-year requirements. However, first-year students are encouraged to take a Spanish or Portuguese language course ([SPA100Y1](#), [SPA219Y1](#), [SPA220Y1](#), [SPA320Y1](#), [PRT100Y1](#), [PRT110Y1](#), [PRT219Y1](#), or [PRT220Y1](#)), which counts towards the Latin American Studies Major.

(7 FCEs or equivalent. Includes a minimum of 2 FCEs at the 300+ level, at least 0.5 FCE of which must be at the 400-level.)

A. Course work: Students must successfully complete seven full courses or their equivalents sponsored or approved by LAS, as well as satisfy the requirements of their departmental specialization.

Of the required courses:

1. [LAS200H1](#) and [LAS201H1](#) (previously [LAS200Y1](#)).
2. [LAS300H1](#) or [LAS301H1](#). Please note that if the subject matter and/or instructor has changed, it will be possible to take, and be credited for, [LAS300H1](#) or [LAS301H1](#) more than once.
3. [JQR360H1](#) or an alternative, but similar, 0.5 FCE course on a combination of quantitative and qualitative reasoning / research design can be taken in consultation with LAS administration.
4. [LAS400H1](#), [LAS401H1](#), or an equivalent 0.5 FCE fourth year-level course, approved by LAS administration.

B. Language: Students must successfully complete (with a minimum grade of 65%) at least the second level of language instruction in

Spanish or Portuguese by the end of the third year of study (SPA220Y1 or PRT220Y1). Spanish Heritage speakers must successfully complete (with a grade of at least 65%) SPA219Y1 (previously SPA319Y1), as this course is considered an equivalent of SPA220Y1. Portuguese Heritage speakers must successfully complete (with a minimum grade of 65%) PRT219Y1, as this course is considered an equivalent of PRT220Y1. Students can also demonstrate equivalent proficiency in the given language through completion of 1 FCE of Spanish and/or Portuguese courses in Latin American topics as approved by LAS administration at a second-year level of instruction or higher.

Latin American Studies Minor (Arts Program) - ASMIN0552

Completion Requirements:

There are no specific first-year requirements. However, first-year students are welcome to take a Spanish or Portuguese language course (SPA100Y1, SPA219Y1, SPA220Y1, SPA320Y1, PRT100Y1, PRT110Y1, PRT219Y1, or PRT220Y1), which counts towards the Latin American Studies Minor.

(4 FCEs or their equivalent, including LAS200H1, LAS201H1, and at least one full course at the 300+ level.)

1. LAS200H1 and LAS201H1 (previously LAS200Y1).
2. LAS300H1 or LAS301H1.
3. 2.5 FCEs chosen from LAS courses of the list of approved courses eligible for programme credit. A minimum of 0.5 FCE must be from the Social Sciences; another 0.5 FCE must be from the Humanities. (LAS300H1 can be used to cover the Social Science requirement and LAS301H1, towards the Humanities requirement).

Spanish or Portuguese language study is recommended, but not a requirement.

Courses eligible for programme credit

The following is a list of undergraduate courses offered by academic units affiliated with LAS. Courses not appearing below may be considered for credit in a Latin American Studies program with permission of the Director. For up-to-date information on this list, please check our website: <http://las.utoronto.ca> Students are responsible for checking the co- and prerequisites for all courses in this list. For updates on courses being offered by affiliated units, please check individual departmental websites.

Course Groups

Anthropology

- ANT316H1 Ancient Cultures of Mesoamerica
- ANT320H1 Ancient Cultures of the Andes
- ANT340H1 Anthropology of Latin America
- ANT407H1 Inka and Aztec States

Diaspora and Transnational Studies

- DTS200Y1 Introduction to Diaspora and Transnational Studies I

- DTS300H1 Qualitative and Quantitative Reasoning

Economics

- ECO324H1 Economic Development
- ECO403H1 Topics in Development Economics and Policy

Forest Conservation and Forest Biomaterial Sciences

- FOR201H1 Conservation of Tropical and Subtropical Forests

Geography

- GGR101H1 Ancient Civilizations and their Environments
- GGR216H1 Global Cities
- GGR341H1 Changing Geography of Latin America
- JGE321H1 Multicultural Perspectives on Environmental Management

History

- HIS291H1 Latin America: The Colonial Period
- HIS292H1 Latin America: The National Period
- HIS359H1 Regional Politics and Radical Movements in the 20th Century Caribbean
- HIS390H1 Slavery in Latin America
- HIS397H1 Political Violence and Human Rights in Latin America

Music

- MUS305H1 Latin American and Caribbean Music

New College Caribbean Studies

- NEW120Y1 Introduction to Caribbean Studies
- NEW220H1 Comparative Caribbean Literature I: Canonical Readings
- NEW221H1 Comparative Caribbean Literature II: Contemporary Readings
- NEW324H1 The Contemporary Caribbean in a Global Context
- JLN327H1 Regional Perspectives on the Hispanic Caribbean
- JLN427H1 Advanced Topics: The Hispanic Caribbean
- JQR360H1 The Canadian Census: Populations, Migrations and Demographics

Political Science

- POL305Y1 Politics and Society in Latin America
- POL360H1 Topics in Latin American Politics
- POL442H1 Topics in Latin American Politics

Portuguese

- [PRT100Y1 Portuguese for Beginners](#)
- [PRT120Y1 Portuguese for Spanish Speakers](#)
- [PRT219Y1 Academic Portuguese](#)
- [PRT220Y1 Intermediate Portuguese](#)
- [PRT258H1 Introduction to Lusophone Literature](#)
- [PRT320Y1 Advanced Portuguese](#)
- [PRT368H1 Brazilian Indigenous Languages](#)
- [PRT458H1 The Lusophone Short Story](#)

St. Michael's College, Christianity and Culture

- SMC207H1

Spanish

- [SPA100Y1 Spanish for Beginners](#)
- [SPA219Y1 Academic Spanish](#)
- [SPA220Y1 Intermediate Spanish](#)
- [SPA258H1 Introduction to Hispanic Literary Studies](#)
- [SPA259H1 Introduction to Hispanic Cultural Studies](#)
- [SPA320Y1 Advanced Spanish](#)
- [SPA326H1 Latin American Varieties of Spanish Through the Media](#)
- [SPA375H1 Latin American Cinema](#)
- [SPA381H1 Nation, Identity and Modernity in Spanish-America](#)
- [SPA382H1 Spanish American Women in Art, Film, and Literature](#)
- [SPA384H1 Avant-Garde Movements in Spanish America](#)
- [SPA385H1 Literature and Social Change in Spanish America](#)
- [SPA386H1 Literary Landscapes of the Mexican Revolution](#)
- [SPA387H1 Latin American Performative Expression](#)
- [SPA422H1 Sociolinguistics of Spanish](#)
- [SPA467H1 Topics in Spanish-American Literature and Culture](#)
- [SPA480H1 Icons and Iconography in Latin American Culture](#)
- [SPA482H1 20th-Century Spanish American Narrative](#)
- [SPA486H1 Contemporary Caribbean Literatures and Identities](#)
- [SPA488H1 Central America Postwar Narrative](#)

UTM Courses

- FAH356H5
- GGR369H5
- HIS290H5
- HIS330H5
- HIS345H5
- HIS390H5
- HIS391H5
- HIS454H5
- HIS490H5
- POL438Y5
- SOC332H5

- SPA100Y5
- SPA220Y5
- SPA259H5
- SPA320Y5

UTSC Courses

- ANTB18H3
- HISC38H3
- HISD08H3
- LGGA30H3
- LGGA31H3
- LGGB32H3
- LGGB33H3
- LGGC30H3
- POLB90H3
- POLB91H3
- POLC90H3
- POLC91H3
- POLC94H3
- POLC99H3

Regarding Latin American Studies Courses

Courses eligible for programme credit

The following is a list of undergraduate courses offered by academic units affiliated with LAS. Courses not appearing below may be considered for credit in a Latin American Studies program with permission of the Director. For up-to-date information on this list, please check our website: <http://las.utoronto.ca>. Students are responsible for checking the co- and prerequisites for all courses in this list. For updates on courses being offered by affiliated units, please check individual departmental websites.

Latin American Studies Courses

LAS200H1 - Introduction to Latin American Studies I: Foundational Themes

Hours: 24L/12T

An introductory course studying the development of Latin American societies from their precolumbian past to the 19th century building of modern nations. Cultural, historical, political, and social topics are examined combining historical documents with art, music and other texts from popular culture.

Exclusion: IAS200Y1, LAS200Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

LAS201H1 - Introduction to Latin American Studies II: Current Issues

Hours: 24L/12T

An introductory course studying the development of Latin American societies from the 20th century to the present. Cultural, historical, political, and social topics are examined combining historical documents with art, music and other texts from popular culture.

Exclusion: IAS200Y1 and LAS200Y1

Recommended Preparation: LAS200H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

LAS302H1 - Topics in Latin American Studies

Hours: 24S

The goal of this course is to critically explore debates and perspectives on development and on the politics of inequality in Latin American contexts. Topics of the course may vary, depending on the needs of the program and the interests of students and instructors.

Recommended Preparation: LAS200H1, LAS201H1, LAS300H1, POL305Y1

Distribution Requirements: Humanities; Social Science

LAS300H1 - Topics in the Social Sciences

Hours: 24S

The goal of this course is to critically analyze the current economic, social, and political realities of Latin America, based on an insightful knowledge of its past and present. Topics of the course vary depending on the needs of the program and the interests of students.

Prerequisite: IAS200Y1/ LAS200Y1/ (LAS200H1, 201H1)/ POL305Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

JQR360H1 - The Canadian Census: Populations, Migrations and Demographics

Hours: 24L/12T

Examines the Canadian population census through the experience of diasporic groups in Canada. Approaches the census as a statistical tool, an historical source and an ideological project of citizenship and nationalism. Uses census data to explore mathematical and statistical concepts and to integrate numerical ways of thinking with qualitative analysis. (Jointly sponsored by African Studies, Diaspora and Transnational Studies, Caribbean Studies, Equity Studies and Latin American Studies).

Prerequisite: DTS200Y1/ HIS230H1/ HIS231H1/ LAS200H1/ LAS201H1/ NEW120Y1/ NEW150Y1/ NEW220H1/ NEW221H1/ NEW224Y1/ NEW225H1/ NEW226H1/ NEW240Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

LAS301H1 - Topics in the Humanities

Hours: 24S

The goal of this course is to critically analyze the Latin American social imaginaries as expressed in art, literature and/or film, based on close readings of texts. Topics of the course vary depending on the needs of the program and the interests of students.

Prerequisite: IAS200Y1/ LAS200Y1/ LAS201H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

LAS400H1 - Topics in Latin American Studies

Hours: 24S

An upper level seminar. Topics of the course vary from year to year, depending on the needs of the program and the interests of students. Offered in alternate years.

Prerequisite: LAS200Y1/ (LAS200H1, LAS201H1) & LAS300H1/ LAS301H1

Distribution Requirements: Humanities; Social Science

LAS401H1 - Latinos in Canada

Hours: 48T/24S

A historical survey of migration from Latin American countries to Canada, this course examines mediation strategies of Latinos as they adjust to a new home: negotiation of national identities, political participation, entrepreneurship, cultural representations, and charitable work. Students engage in service with organization working with/in LatAm communities.

Prerequisite: LAS200H1, LAS201H1, one LAS 300-level course, interview

Recommended Preparation: JQR360: The Canadian Census: Populations, Migrations, and Demographics

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

LAS410H1 - Independent Study

Hours: TBA

This course provides an opportunity for students to do academic research related to Latin American issues under the supervision of a faculty member. The intent is that the student, aided and advised by the supervisor, will read relevant literature, and plan, execute, analyze and report on an original and independent investigation of an appropriate topic. For application forms, please visit the "Resources" section of the programme's website. Not eligible for CR/NCR option.

Prerequisite: LAS200Y/(LAS200H1, 201H1) and LAS300H/LAS301H

Distribution Requirements: Humanities; Social Science

LAS411Y1 - Independent Study

Hours: TBA

This course provides an opportunity for students to do academic research related to Latin American issues under the supervision of a faculty member. The intent is that the student, aided and advised by the supervisor, will read relevant literature, and plan, execute, analyze and report on an original and independent investigation of an appropriate topic. For application forms, please visit the "Resources" section of the programme's website. Not eligible for CR/NCR option.

Prerequisite: LAS200Y/(LAS200H1, LAS201H1) and LAS300H1/ LAS301H1/ LAS302H1

Exclusion: LAS410H1

Distribution Requirements: Humanities; Social Science

Life Sciences

The following Life Science departments and programs are listed in this Calendar:

- [Biochemistry](#)
- [Biology](#)
- [Cell & Systems Biology](#)
- [Ecology & Evolutionary Biology](#)
- [Human Biology](#)
- [Immunology](#)
- [Laboratory Medicine & Pathobiology](#)
- [Molecular Genetics & Microbiology](#)
- [Nutritional Sciences](#)
- [Pharmaceutical Chemistry](#)
- [Pharmacology & Toxicology](#)
- [Physiology](#)
- [Psychology](#)

Many of the Life Science programs are collaborative programs given by the Faculty of Arts and Science and departments in the Faculty of Medicine. The Life Sciences all focus on the scientific study of life. The study of biological processes has enormous importance for:

- Understanding one's own body and those of other organisms sharing our planet, both in health and sickness;
- Analysing the behaviour of humans and other organisms;
- Understanding the interdependent web of living organisms on the planet, and their evolutionary relationships;
- Preparing for ethical, social and political questions arising from our increasing ability to modify living systems;
- Enhancing our ability to protect the delicate and complex ecological balance that sustains this world.

Today, the biological sciences are experiencing a revolution. Important discoveries occur almost weekly as scientists and students around the world develop and use techniques, theories and approaches. Increasingly, we need people with advanced knowledge and training who can contribute to these discoveries and their application. Equally, we need people who know enough about life sciences generally to make informed judgments about critical issues such as global warming, population growth, the emergence of drug resistance and new diseases, and the degradation of the environment.

On the St. George campus, undergraduate education, graduate education and research in the Life Sciences is carried out in departments within the Faculty of Arts and Science and the Faculty of Medicine.

The programs offered in the Life Sciences are listed below. Admission to all programs occurs after completion of 4.0 credits. Admission to some programs is limited. Please see individual program listings for admission criteria and procedures. Also check the the [Arts & Science Program Toolkit](#) for details and application procedures.

Specialist Programs

Biochemistry, Biological Chemistry (Chemistry), Bioinformatics and Computational Biology (Cell & Systems Biology), Biology, Biophysics (Physics), Cell and Molecular Biology (Cell & Systems Biology), Ecology and Evolutionary Biology (Ecology & Evolutionary Biology), Environment and Health (School of the Environment),

Fundamental Genetics and its Applications (Human Biology), Global Health (Human Biology), Health and Disease (Human Biology), Immunology, Molecular Genetics & Microbiology, Neuroscience (Human Biology), Pathobiology, Pharmaceutical Chemistry (Chemistry), Pharmacology, Physiology, Psychology, Psychology Research, Toxicology.

Major Programs

Animal Physiology (Cell & Systems Biology), Biochemistry, Biodiversity and Conservation Biology (Ecology & Evolutionary Biology), Biology, Cell and Molecular Biology (Cell & Systems Biology), Ecology & Evolutionary Biology, Environmental Biology (Ecology & Evolutionary Biology), Environment and Health (School of the Environment), Fundamental Genetics and its Applications (Human Biology), Genome Biology (Biology), Global Health (Human Biology), Health & Disease (Human Biology), Human Biology, Immunology, Neuroscience (Human Biology), Nutritional Sciences, Pharmacology, Physiology, Psychology, Toxicology.

Minor Programs

Biology, Environmental Biology (Ecology & Evolutionary Biology), NUS Biology (Ecology & Evolutionary Biology), Immunology, Physiology, Psychology.

Animal Use in Laboratories

Laboratory investigations are part of life science programs at the University of Toronto. Programs in life sciences at the University of Toronto include courses that involve observation, handling, or experimentation on animals or on samples derived from animals. The use of animals in teaching and research is regulated by ethical and procedural guidelines and protocols. These are approved on an ongoing basis by the University Animal Care Committee, and follow provincial and federal government rules. We recognize, however, that some students may have strong reservations about personal exposure to any use of animal material in teaching. Students who want to avoid registration in programs or courses that include such labs are, therefore, encouraged to check in advance with the departments involved.

Linguistics

Faculty List

Professors Emeriti

J.K. Chambers, MA, Ph D
 E.A. Cowper, AM, Ph D
 B.E. Dresher, BA, Ph D
 A. Johns, MA, Ph D
 D. Massam, MA Ph D
 P.A. Reich, MS, Ph D
 R. Wardhaugh, MA, Ph D

University Professor and Chair

S.A. Tagliamonte, MA, Ph D

Associate Professor, Undergraduate Coordinator, and Associate Chair

N. Nagy, Ph D

Professors

A.T. Perez-Leroux, MA, Ph D
 K.D. Rice, MA, Ph D

Associate Professors

M.C. Cuervo, MA, Ph D
 D. Heller, MA, Ph D
 M. Ippolito, MA, Ph D
 A. Kochetov, MA, Ph D

Assistant Professors

S. Bejar, MA, Ph D
 P. Jurgec, MA, Ph D
 N. Sanders, MA, Ph D
 G. Thomas, MA, Ph D

Adjunct Professor

M.L. Chasin, M Sc, AuD

Lecturer

E.M. Gold, MA, Ph D

Introduction

Linguistics can trace its roots back to the ancient Sanskrit grammarians, and the study of language is probably as old as language itself. However, the twentieth century has produced an explosion in the scientific study of language. As our understanding of the nature and structure of human language develops, linguistics is becoming relevant to many other areas of research such as Cognitive Science, Artificial Intelligence, Speech-Language Pathology, Audiology, Psychology, and Philosophy.

On its own, linguistics represents an invaluable key to the nature of the mind and the diverse elements of human culture; as a tool, linguistics is unmatched in preparing one for the learning and teaching of languages and for integrating language with technology.

Part-time students should note that most of the summer and evening courses available to them are offered on a rotating basis only. Consequently, students wishing to take such courses should enroll in them at the earliest opportunity after completing the necessary prerequisites.

In addition to the undergraduate curriculum within the Department of Linguistics, there are courses relating to linguistics offered in other departments such as the language departments, Anthropology, Computer Science, Philosophy, and Psychology, and in the Cognitive Science and Artificial Intelligence program.

Students seeking counselling and information should contact the Undergraduate Coordinator (416-978-1767; ugling@chass.utoronto.ca). In 2018-2019, the Undergraduate Coordinator is Dr. Naomi Nagy. In 2019-2020, the Undergraduate Coordinator is Dr. Alexei Kochetov.

Linguistics Programs

Linguistics Specialist (Arts Program) - ASSPE0506

Completion Requirements:

(12 full courses or their equivalent)

Language Requirement (2 FCEs): Two years of study or its equivalent of one non-Germanic, non-Romance language in courses using the spoken language (courses must be approved by the Undergraduate Coordinator). We encourage you to begin this language study in your first or second year.

Required Courses (5.5 FCEs):

First Year: [LIN101H1](#), [LIN102H1](#)

Second Year: [LIN228H1](#), [LIN229H1](#), [LIN232H1](#), [LIN241H1](#), [LIN251H1](#)

Third and Fourth Years: [LIN322H1](#), [LIN331H1](#), [JAL401H1](#) plus at least one of [JLP374H1](#) or [JLP315H1](#)

Elective Courses (4.5 FCEs):

A total of 4.5 FCEs in LIN/JAL/JFL/JLP/JLS (excluding [LIN200H1](#), [LIN203H1](#), [LIN204H1](#)) including:

- a 1.5 FCEs at the 300+ level
- a .5 FCE at the 400 level

Up to 1 FCE may be from other departments. Approved courses include [ANT329H1](#), [ANT425H1](#), [ANT427H1](#); [COG250Y1](#); [CSC384H1](#), [CSC401H1](#), [CSC448H1](#), [CSC485H1](#); [FIN220H1](#), [FIN305H1](#); [FRE272H1](#), [FRE273H1](#), [FRE274H1](#), [FRE376H1](#), [FRE378H1](#), [FRE379H1](#), [FRE379H1](#), [FRE383H1](#), [FRE386H1](#), [FRE387H1](#), [FRE388H1](#), [FRE471H1](#), [FRE487H1](#), [FRE488H1](#), [FRE489H1](#); [GER400H1](#), [GER426H1](#), [GER462H1](#); [HPS250H1](#), [HPS322H1](#), [HPS352H1](#); [ITA360H1](#), [ITA363H1](#); [NML315H1](#), [NML463H1](#); [PHL210Y1](#), [PHL245H1](#), [PHL310H1](#), [PHL311H1](#), [PHL325H1](#), [PHL326H1](#), [PHL340H1](#), [PHL342H1](#), [PHL345H1](#), [PHL347H1](#), [PHL351H1](#), [PHL355H1](#), [PHL405H1](#), [PHL451H1](#), [PHL479H1](#), [PHL480H1](#), [PHL481H1](#); [PRT364H1](#), [PRT368H1](#); [SLA255H1](#), [SLA380H1](#), [SLA452Y1](#); [SPA322H1](#), [SPA324H1](#), [SPA421H1](#), [SPA422H1](#), [SPA423H1](#); [VIC223Y1](#). Other courses might also qualify; consult the Department of Linguistics for approval.

Linguistics Major (Arts Program) - ASMAJ0506

Completion Requirements:

(7 full courses or their equivalent)

First Year: LIN101H1, LIN102H1

Second Year: LIN228H1, LIN229H1, LIN232H1, LIN241H1,
LIN251H1

Third and Fourth Years: A total of 3.5 FCEs in LIN/JAL/JFL/JLP/JLS (excluding LIN200H1, LIN203H1, LIN204H1) including:

- at least one of JLP374H1 or JLP315H1
- 0.5 FCE at the 400 level
- a further 1 FCE at the 300+ level
- Note that new courses PRT364H1 and PRT368H1 may be used toward this requirement.

Linguistics Minor (Arts Program) - ASMIN0506

Completion Requirements:

(4 full courses or their equivalent)

First Year: LIN101H1, LIN102H1

Higher Years: Three FCE's in LIN/JAL/JFL/JLP/JLS (excluding LIN200H1) at least one of which must be at the 300+ level

LIN102H1 - Introduction to Linguistics: Sentence Structure and Meaning

Hours: 24L/12T

Introduction to fundamental principles of linguistics with particular attention to sentence and meaning structure, their acquisition, processing, and variation; practice in elementary analytic techniques using data from a broad spectrum of languages.

Exclusion: LIN100Y1, LIN102H5, LINA01H3, LINA02H3

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN195H1 - Babel: Language in the Mind of Speakers

Hours: 24L

What is the relation between language and thought? In this course we examine how language is represented in our minds, and how language and cognitive processes interact. While the link between words and meanings is arbitrary and reflects culture, language is considered to be a universal property of our species. We will examine the place of language in the architecture of the mind; the debates about the universality of language structure vs. linguistic relativism; and how language and thought interact in children's development. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN196H1 - Language and Communication

Hours: 24L

We will explore the ways in which information is communicated in conversation. We will consider systematic ways in which what a speaker intends to communicate with language goes beyond what one says in conversation. The goal of the course is to investigate the ways in which speakers rely on knowledge of language and implicit "rules" to enrich and transform the literal content of someone's utterance.

Students will familiarize themselves with some fundamental concepts in linguistic semantics and pragmatics. They will develop analytic skills necessary to analyze a text in an academic context and beyond. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

Linguistics Courses

LIN101H1 - Introduction to Linguistics: Sound Structure

Hours: 24L/12T

Introduction to fundamental principles of linguistics with particular attention to sound structure and its acquisition, processing, and variation; practice in elementary analytic techniques using data from a broad spectrum of languages.

Exclusion: LIN100Y1, LIN101H5, LINA01H3, LINA02H3

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN197H1 - Language and Social Justice

Hours: 24L

This course explores how language is used to construct and reinforce unjust social structures. Topics may include: the underlying sexism, classism, racism, and ableism of prestige dialects and prescriptive language education; the history and consequences of national language movements; language endangerment, documentation, and revival; sign languages and language rights for the deaf and hard-of-hearing; popular media representations of linguistic variation, especially vocal fry, uptalk, and regional accents; and the relationships between language and sex, gender identity, and sexuality.

Students will develop research, analytic, and writing skills through critique and discussion of assigned texts, independent research projects, and regular written and oral presentation of their work. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN198H1 - Language Diversity

Hours: 24L

There are estimated to be about 7000 languages currently spoken in the world. What do they have in common? In what ways are they different? This course will explore these questions, covering such topics as meaning, sound systems, the structure of words, the order of words in sentences, question formation, concepts such as subject and object, tense systems, pronoun systems. We will also discuss language loss and revival. Students will develop analytic skills as they consult published grammars and other resources to address these issues. Students will share their findings through oral and written presentation. Examples will be drawn from a wide range of languages. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN199H1 - Exploring Heritage Languages

Hours: 24L

We will explore how speakers use Heritage Languages in Toronto, using data recently collected in the GTA, so students should be familiar with one of these languages. We will collect, organize and interpret information about heritage languages in Toronto. We will look for speech patterns that differentiate first, second and third generation speakers in Toronto from corresponding speakers in their countries of origin, and look at the effects of cultural and language attitudes and usage.

Students will develop analytic skills as they explore a range of research methods and resources to address these issues. Students will share their findings through oral and written presentation, including online formats. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN200H1 - Introduction to Language

Hours: 24L/12T

Introduction to Language is a general-interest course on language. Possible topics include: the structure of language; how language changes over time, the social and psychological aspects of language, language and culture, the origin of language, writing systems, and language acquisition. (This course cannot be used as an entrance to programs in linguistics, and cannot be used as a prerequisite to any linguistics courses unless otherwise indicated.)

Exclusion: LIN100Y1, LIN101H1, LIN102H1, LIN101H5, LIN102H5, LINA01H3, LINA02H3, ANT253H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN201H1 - Canadian English

Hours: 24L

A study of English spoken in Canada. Topics include: vocabulary items, usage surveys, non-standard dialect enclaves, regional variation and historical development. Students will develop original research projects in linguistics.

Prerequisite: (LIN101H1, LIN102H1)/ LIN200H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN203H1 - English Words

Hours: 24L/12T

English has a rich vocabulary. We will learn how it has developed over time, and investigate aspects of the meaning and pronunciation of words. Most of all, we will study how words are put together, so that students will be able to recognize and analyze unfamiliar words.

Exclusion: LIN203H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN232H1 - Syntactic Patterns in Language

Hours: 24L/12T

The nature and organization of syntactic systems; their relation to semantic systems and the linguistic organization of discourse; practical work in linguistic analysis.

Prerequisite: LIN102H1

Exclusion: LIN232H5, LINB06H3

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN204H1 - English Grammar

Hours: 24L/12T

How the English language works: students analyze a wide variety of English grammatical structures and learn how they vary across dialects and change through time.

Exclusion: LIN204H5, LINB18H3

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN241H1 - Introduction to Semantics

Hours: 24L/12T

An introduction to meaning within linguistics and the interpretation of language in context. Topics include logical and semantic relations, pragmatic concepts such as presupposition and implicature, the nature of thematic roles, quantifiers and scope relations, the expressions of temporal and modal relations in natural language.

Prerequisite: LIN102H1

Exclusion: LIN247H5, LINC12H3

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN228H1 - Phonetics

Hours: 24L/12T

Phonetics is a linguistics course that investigates the sounds most commonly used in languages from an articulatory and acoustic point of view, with practice in their recognition and production. Students will learn the International Phonetic Alphabet (IPA) and practice transcribing a wide variety of speech sounds.

Exclusion: LIN228H5, LINB09H3

Recommended Preparation: LIN101H1/ LIN200H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN251H1 - Introduction to Sociolinguistics

Hours: 24L/12T

How does linguistic variation construct identity? Introduction to recent sociolinguistic literature on language contact, multilingualism, code-switching, expressions of ethnic solidarity and regional identity, sex and gender differentiation, dialect geography, sociophonetics, perceptual dialectology, diffusion of norms in mobile populations, documentation of variation in lesser studied languages, and changes across the life-span.

Prerequisite: LIN101H1, LIN102H1

Exclusion: LIN256H5, LINB20H3

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN229H1 - Sound Patterns in Language

Hours: 24L/12T

The nature and organization of phonological systems, with practical work in linguistic analysis.

Prerequisite: LIN101H1, LIN228H1

Exclusion: LIN229H5, LINB04H3

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN299Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project in linguistics. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

LIN305H1 - Quantitative Methods in Linguistics

Hours: 36L

Principles of research design, data collection, and a wide variety of statistical techniques for research in various subfields of linguistics.

Prerequisite: LIN101H1, LIN102H1 and one full course in LIN/JAL/JFL/JLP

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN322H1 - Phonological Theory

Hours: 36L

Basic issues in current phonological theory. Problems focusing on analysis and theory. (Students who want to pursue graduate studies in linguistics are strongly advised to include this course in their program.)

Prerequisite: LIN229H1

Exclusion: LIN322H5, LINC02H3

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN306H1 - Language Diversity and Language Universals

Hours: 24L

This linguistics course examines cross-linguistic typological features found in the languages of the world. Special attention is given to describing morphological and syntactic patterns found cross-linguistically. The goal of the course is to draw on the diversity of languages in order to uncover language universals. (Not offered every year)

Prerequisite: LIN232H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN323H1 - Acoustic Phonetics

Hours: 24L

This linguistics course is an introduction to the acoustic phonetics of the vocal tract, including acoustic properties of speech and its analysis using instrumental techniques.

Prerequisite: LIN101H1, LIN102H1, LIN228H1

Exclusion: LIN328H5

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

JLP315H1 - Language Acquisition

Hours: 36L

Infants' abilities at birth, prelinguistic development, the first words, phonological, syntactic and semantic development. Social variables influencing language acquisition, bilingualism, models of development, language play. (Sponsored by the Departments of Linguistics and Psychology, but administered solely by the Dept. of Linguistics).

Prerequisite: One full course equivalent at the 200+-level in LIN/JAL/JUP/PSL/PSY/COG

Exclusion: PSY315H5, PLIC24H3

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

JAL328H1 - Writing Systems

Hours: 36L

Introduction to writing systems; their historical development, their relationship to language, and their role in culture and society. (Given by the Departments of Anthropology and Linguistics) (Not offered every year)

Prerequisite: ANT100Y1/ LIN101H1/ LIN200H1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN331H1 - Syntactic Theory

Hours: 36L

An introduction to the foundations and formal framework of current generative syntax, concentrating on Chomsky's Minimalist theory. (Students who want to pursue graduate studies in linguistics are strongly advised to include this course in their program.)

Prerequisite: LIN232H1

Exclusion: LIN331H5, LINC11H3

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN333H1 - Morphological Patterns in Language

Hours: 36L

The nature and organization of morphological systems, with practical work in linguistic analysis.

Prerequisite: LIN229H1, LIN232H1

Exclusion: LIN231H5, LINB10H3

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

JAL353H1 - Conversational Structures

Hours: 36L

Conversational Structures is an introduction to the detailed observation of ordinary conversational interaction, and to some of the main ways in which such interaction is organized. The focus is on developing the capacity to discern orderliness in the details of everyday interaction, and beginning independent research in this area. (Given by the Departments of Anthropology and Linguistics). Not offered every year.

Prerequisite: (LIN101H1, LIN102H1)/ LIN200H1/ ANT253H1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN341H1 - Semantic Theory

Hours: 36L

This linguistics course focuses on the study of natural language semantics and the relation between interpretation and syntactic structure. Topics include predication and quantification, scope and anaphora, problems of discourse analysis, the interpretation of different types of pronouns, and ellipsis.

Prerequisite: LIN241H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

JAL355H1 - Language and Gender

Hours: 24L

An introduction to some of the principal questions of feminist theory, as viewed from sociolinguistics. Topics include: socialization into gendered discourse patterns, cultural and ethnic differences in gendered interactions; the role of language and gender in legal, medical and labour settings; multilingualism, migration, imperialism and nationalism; sexuality, desire and queer linguistics, language, gender and globalization.

Prerequisite: One FCE at the 200-level in LIN/ANT/JAL/SOC/WGS

Recommended Preparation: ANT204H1/ ANT253H1/ SOC200H1/ SOC214H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

LIN351H1 - Sociolinguistic Patterns in Language

Hours: 24L/12T

In this sociolinguistics course, we explore linguistic variation and its social implications, especially the quantitative study of phonological and grammatical features and their correlations with age, sex, ethnicity, and other social variables.

Prerequisite: LIN251H1, or permission of the instructor

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

LIN362H1 - Historical Linguistics

Hours: 36L

An introduction to diachronic linguistics. Theories of language change; the comparative method, internal reconstruction, linguistic geography, the origin of languages; language death.

Prerequisite: LIN229H1

Exclusion: LIN360H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

JLP374H1 - Psychology of Language**Hours:** 36L

In Psychology of Language, we investigate human and other animal communication, structure of human language, word meaning and semantic memory, psychological studies of syntax, bilingualism, language and thought, language errors and disorders. (Sponsored by the Departments of Linguistics and Psychology, but administered solely by the Dept. of Linguistics).

Prerequisite: One FCE from LIN228H1, LIN229H1, LIN232H1, LIN241H1, PSY260H1, PSY270H1, PSY280H1, PSY290H1, COG250Y1

Exclusion: LIN258H5, PSY374H5, PLIC55H3

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

JAL401H1 - Field Linguistics**Hours:** 48P

Field Linguistics provides practice in language analysis based on elicited data from a native speaker of an indigenous or foreign language, emphasizing procedures and techniques. (Given by the Departments of Anthropology and Linguistics)

Prerequisite: Completion of LIN322H1 and LIN331H1 or permission of the instructor

Exclusion: LIND46H3

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN402H1 - Linguistic Typology and Constructed Languages**Hours:** 36L

This course uses constructed languages (e.g., Esperanto, Klingon, Dothraki) to explore crosslinguistic patterns in language structure. Topics include phonological and morphosyntactic typology, language change over time, effects of culture and environment on language, history of language construction, standards in writing descriptive grammars, and critical analysis of research on language diversity.

Prerequisite: 5 required 200-level courses (LIN228H1, LIN229H1, LIN232H1, LIN241H1, LIN251H1), AND LIN322H1 Phonological Theory OR LIN331H1 Syntactic Theory, or permission of the instructor.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN405H1 - Advanced Quantitative Methods in Linguistics**Hours:** 36L

This course introduces advanced statistical modeling techniques using the statistical software R, tailored specifically to the needs of linguistic research.

Prerequisite: LIN305H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN398H0 - Research Excursions**Hours:** TBA

An instructor-supervised group linguistics project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

LIN398Y0 - Research Excursions**Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

LIN399Y1 - Research Opportunity Program**Hours:** TBA

Credit course for supervised participation in faculty research project in linguistics. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

LIN409H1 - Structure of a Specific Language

Hours: 24L

Topics may include: the phonological, morphological, syntactic, and semantic systems; the writing system; a brief diachronic sketch; linguistic variation and sociolinguistic aspects. (Not offered every year).

Prerequisite: LIN228H1, LIN229H1, LIN232H1 + 1 FCE at THE 300+ level in LIN/JAL/JFL/JLP/JLS

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN439H1 - Research in Syntax

Hours: 24S

Research in Syntactic Theory, including guided instruction in how to undertake critical reading of primary literature, develop an original topic, write a linguistics research paper, an abstract, a handout, and give an oral presentation. Not eligible for CR/NCR option. (Not offered every year)

Prerequisite: LIN331H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN423H1 - Phonetic Analysis

Hours: 36S

This course provides students with hands-on experience with main methods of linguistic phonetic (acoustic and articulatory) analysis through project-based group work and training in writing up experimental results.

Prerequisite: LIN323H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: The Physical and Mathematical Universes (5)

LIN441H1 - Intensional Semantics

Hours: 24L

This linguistics course covers topics in intensional semantics, including formal semantics of tense, aspect, modality, and attitude verbs. (Not offered every year)

Prerequisite: LIN341H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN429H1 - Research in Phonology

Hours: 24S

Research in Phonological Theory, including guided instruction in how to undertake critical reading of primary literature, develop an original topic, write a research paper, an abstract, a handout, and give an oral presentation. Not eligible for CR/NCR option.

Prerequisite: LIN322H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN451H1 - Urban Dialectology

Hours: 24L

Ways in which urban sub-cultures differ in their use of language. How speakers dialects reflect their ethnicity, group affiliation, and other social categories. Practice in dialect analysis based on data from the speech community, emphasizing procedures and techniques.

Prerequisite: LIN351H1 plus 2 FCE at the 200+ level in LIN/JAL/JLP

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

LIN432H1 - Advanced Morphology

Hours: 24L

Current research involving morphology, including the role of morphology in the grammar, the nature of inflectional paradigms, affixes affecting grammatical relations constitute this linguistics course. Each year one topic will be a special focus and will be dealt with at length. (Not offered every year)

Prerequisite: LIN333H1

Corequisite: LIN331H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN456H1 - Language Variation and Change: Theory and Analysis

Hours: 36L

The theory and practice of sociolinguistics. The inter-relationship between language and society from the perspective of collecting, organizing, and analyzing patterns in natural speech data, including field methods and quantitative methods for correlating linguistic and social variables.

Prerequisite: LIN351H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

LIN458H1 - Revitalizing Languages**Hours:** 24L

A study of language endangerment and language revitalization efforts, focusing on Indigenous languages of Canada. Topics include language classification and a survey of major features of the languages, what it means for a language to be endangered, the factors that contribute to language shift, and efforts to reverse language shift, including discussion of literacy, documentary linguistics and dictionaries.

Prerequisite: LIN101H1, LIN102H1 plus 2 FCE at the 200+ level in LIN/JAL

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

JLS473H1 - Adult Speech and Language Disorders**Hours:** 36L

Students are introduced to the etiologies and characteristics of speech and language disorders in adults, associated with aphasia, neurodegenerative disorders, and head injuries. The effects of communication handicaps on the individual and theoretical underpinnings of the major intervention approaches for adults are discussed. (Given by the Departments of Linguistics and Speech Language Pathology)

Prerequisite: LIN101H1, LIN102H1, and one FCE at the 300+ level

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

JLP471H1 - Advanced Psycholinguistics**Hours:** 24S

Seminar in advanced topics in psycholinguistics. Content varies from year to year. (Sponsored by the Departments of Linguistics and Psychology, but administered solely by the Dept. of Linguistics).

Prerequisite: JLP374H1

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

JLS474H1 - Disorders of Speech and Language**Hours:** 36L

Normal and deviant development of speech and language; a survey of the disorders of human communication; an overview of intervention for disorders of speech, voice, language, swallowing and hearing; the effects of human communication handicaps on the individual, family, and community; theoretical and philosophical aspects of disordered communication. (Given by the Departments of Linguistics and Speech Language Pathology) (Not offered every year).

Prerequisite: JLP315H1/ JLP374H1, and one FCE at the 300+ level

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

JLS472H1 - Child Language Disorders**Hours:** 36L

Students are introduced to the etiologies and characteristics of speech and language disorders in children, associated with autism, intellectual disabilities, and specific language impairment.

Theoretical underpinnings of the major intervention approaches for children with speech and language disorders are discussed. (Given by the Departments of Linguistics and Speech Language Pathology)

Prerequisite: LIN101H1, LIN102H1, LIN228H1, and 1 FCE at the 300+ level

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

JLS475H1 - Literacy and Reading Disorders**Hours:** 36L

Literacy and Reading Disorders is an introduction to the typical development of emergent literacy skills, including oral language, phonological awareness, narratives, and emergent writing in children; a discussion of the effects of language disorders on emergent literacy skills; a survey of approaches to intervention for children's emergent literacy skills. (Given by the Departments of Linguistics and Speech Language Pathology)

Prerequisite: LIN101H1, LIN102H1, and one FCE at the 300+ level

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

JLS476H1 - Linguistics in the Workforce: Clinical Practice and Research

Hours: 36S

This course exposes students to research and practical approaches in the context of health professions of relevance to linguistics students, especially audiology and speech-language pathology. Students learn about evidence-informed practice, research methodologies, practice approaches and theories in the health professions. Students will be poised to benefit from optional service learning placements during or following the course, in research laboratories or clinical settings. Successful completion of this course provides students with exposure and experience of use in their applications to audiology, speech-language pathology, and other clinical programs and in their future health or graduate studies. Not eligible for CR/NCR option.

Prerequisite: LIN101H1, LIN102H1, and one FCE at the 200+ level

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

LIN481H1 - Introduction to Analysis and Argumentation

Hours: 36L

Linguistic argumentation, practice in constructing and evaluating hypotheses, and critical evaluation of representative articles. Emphasis on the structure of arguments rather than on the analysis of a particular language.

Prerequisite: LIN322H1/ LIN331H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN490H1 - Special Topics in Linguistics

Hours: 24S

A specific topic in linguistics will be explored in depth in Special Topics in Linguistics. Students will learn about a narrowly-focused area of linguistics, including guided instruction in how to undertake critical reading of primary literature, develop a research topic and write a linguistics research paper. Not eligible for CR/NCR option. (Not offered every year)

Prerequisite: LIN228H1, LIN229H1, LIN232H1, LIN241H1 and LIN251H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

LIN495Y1 - Individual Project

Hours: TBA

A research or reading project in linguistics undertaken by the student under the supervision of a staff member. Open only when a faculty member is willing and available to supervise. Not eligible for CR/NCR option.

Prerequisite: Permission of the Department

LIN496H1 - Individual Project

Hours: TBA

A research or reading project in linguistics undertaken by the student under the supervision of a staff member. Open only when a faculty member is willing and available to supervise. Not eligible for CR/NCR option.

Prerequisite: Permission of the Department

Distribution Requirements: Humanities; Social Science

LIN497Y1 - Individual Project

Hours: TBA

A research or reading project in linguistics undertaken by the student under the supervision of a staff member. Open only when a faculty member is willing and available to supervise. Not eligible for CR/NCR option.

Prerequisite: Permission of the Department

Distribution Requirements: Humanities; Social Science

LIN498H1 - Individual Project

Hours: TBA

A research or reading project in linguistics undertaken by the student under the supervision of a staff member. Open only when a faculty member is willing and available to supervise. Not eligible for CR/NCR option.

Prerequisite: Permission of the Department

Distribution Requirements: Humanities; Social Science

LIN499H1 - Individual Project

Hours: TBA

A research or reading project in linguistics undertaken by the student under the supervision of a staff member. Open only when a faculty member is willing and available to supervise. Not eligible for CR/NCR option.

Prerequisite: Permission of the Department

Distribution Requirements: Humanities; Social Science

Materials Science

Materials science is the study of the structure, properties and applications of all types of materials including metals, ceramics, glasses and polymers. Currently many exciting scientific developments are in the materials field. Notable advances have been made recently in studies of amorphous metals, the quasicrystalline state, liquid crystals, semiconductors, nanostructured materials, high critical temperature superconductors, biomaterials, high strength polymers, materials processing techniques such as ion implantation and laser melting, and in new categories of engineered materials such as advanced industrial ceramics or composite materials.

Materials science is interdisciplinary, drawing on the basic sciences of chemistry and physics and on more applied subjects such as metallurgy, ceramics and polymer science. Its tools and techniques include electron microscopy, x-ray diffraction, surface analysis using Auger emission spectroscopy, x-ray photoelectron spectroscopy, etc.

Introduction to Materials Science, MSE101H1, is designed to appeal to a wide variety of student interests. Other materials science courses are available to students having the prescribed prerequisites and the approval of the Undergraduate Student Counsellor. The specialist program in Materials Science is coordinated jointly by the Departments of Chemistry and Materials Science and Engineering. For further information on the program, consult the undergraduate coordinators for both departments.

Materials Science Programs

Materials Science Specialist (Science Program) - ASSPE2424

Description:

Consult Professor Dwight Seferos, Department of Chemistry.

This program draws both on the basic sciences of chemistry and physics, and on the more applied areas such as metallurgy or ceramics. Courses dealing with these latter fields are offered through the Department of Materials Science in the Faculty of Applied Science and Engineering. This would be an appropriate program for students with career interests in solid state, polymer or composite materials industries, or for graduate work in either chemistry or materials science, with an appropriate choice of options. Students may follow the Materials Chemistry path by taking research course CHM499Y1 or the Materials Science and Engineering path by taking research course MSE498Y1.

Enrolment Requirements:

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required courses will be eligible to enrol. Consult see the Arts & Science Program Enrolment website for application procedures.

Courses for admission: CHM135H1/CHM139H and CHM136H1/CHM138H or CHM151Y1 with a minimum mark of 63%.

Completion Requirements:

(14 full courses or their equivalent, including at least one 400-series full-course equivalent)

First Year: (BIO120H1, BIO130H1/ BIO220H1); CHM151Y1 (strongly recommended)(CHM135H1/CHM139H, CHM136H1/CHM138H); (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1

First or Second Year: (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Second Year and Higher Years:

1. MSE101H1
2. (CHM220H1/ CHM222H1, CHM223H1/ MSE202H1), CHM238Y1, CHM247H1/ CHM249H1
3. MSE219H1, MSE318H1, MSE335H1
4. CHM325H1, CHM327H1, CHM338H1, CHM343H1/ CHM348H1, CHM426H1, CHM434H1
5. At least three of the following one of which must be a 400-series: MSE302H1, MSE316H1, MSE343H1, CHM434H1, CHM446H1, MSE415H1, MSE430H1, MSE432H1, MSE440H1, MSE442H1, MSE451H1, MSE458H1, MSE459H1, MSE461H1
6. CHM499Y1/ MSE498Y1

Regarding Materials Science Courses

Notes

1. The MSE courses below are administered by the Faculty of Applied Science and Engineering, and are subject to the rules and regulations of that Faculty, including those for term dates, examination periods and deferral practices.
2. The CHM courses listed for the Materials Science program are described in the Chemistry section of this Calendar.
3. Enrollment in MSE courses is done through your own College Registrar. It is not necessary to petition as the courses listed below have been pre-approved for this Specialist Program.
4. Deferment of Final Exams is NOT generally granted in the Faculty of Applied Science and Engineering.

Materials Science Courses

MSE101H1 - Introduction to Materials Science

Hours: 39L/13T/13P

This is an introductory course in materials science examining the fundamentals of atomic structure, the nature of bonding in materials, crystal structure and defects, and phase equilibria. These basic principles provide the foundation for an exploration of structure-property relationships in metals, ceramics, and polymers, with emphasis on mechanical properties. The properties of materials then form the basis for an introduction to materials selection in design.

Prerequisite: OAC/Grade 12 U Chemistry, Physics, and Calculus

MSE219H1 - Structure and Characterization of Materials

Hours: 39L/13T/39P

Introduction to two and three-dimensional crystallography and crystal structures of solids. Topics include: Pearson and Hermann-Mauguin symbols, reciprocal space, point group and space group symmetry analysis, stereographic projections. Introduction to tensor analysis of crystalline material properties, and symmetry breakdown by imperfections in crystals. Experimental techniques used to interpret structure and chemistry of solids and their defects will be covered theoretically and in the laboratory including: X-ray diffractometry, optical, electron and scanning probe microscopy, and surface/bulk spectroscopies based on optical, X-ray, electron and ion-beam analysis methods.

MSE316H1 - Mechanical Behaviour of Materials

Hours: 39L/13T/20P

The mechanical behaviour of engineering materials including metals, alloys, ceramics and polymeric materials. The following topics will be discussed: macro- and micro-structural response of materials to external loads; load-displacement and stress-strain relationships, processes and mechanisms of elastic, visco-elastic, plastic and creep deformation, crystallographic aspects of plastic flow, effect of defects on mechanical behaviour, strain hardening theory, strengthening mechanisms and mechanical testing.

MSE318H1 - Phase Transformations

Hours: 39L/13T/20P

Thermodynamics and phase stability. Free energy diagrams. Phase transformations in unary systems: primary crystallization, amorphization, crystallization of amorphous materials, recrystallization. Phase transformations in binary systems: solidification, precipitation from solid solution, binary invariant reactions. Diffusional transformations, nucleation and growth, diffusionless or martensitic transformations. Second order transformations. Spinodal, massive and order-disorder transformations. Influence of phase transformations on microstructure and properties.

MSE335H1 - Materials Physics

Hours: 39L/13T/0P

Application of solid state physics to describe properties of materials. Thermal properties of solids: lattice vibrations (phonons), heat capacity, thermal conductivity. Electrical properties of metals: simple circuits, resistivity of metals (classical and quantum descriptions), Seebeck, Peltier, and Thomson effects. Electrical properties of semiconductors: band structure and occupancy, conductivity, Hall effect, simple devices. Electrical properties of insulators: polarization, capacitance, optical properties, ferroelectric and piezoelectric materials. Magnetic properties: diamagnetism and paramagnetism, ferromagnetic and ferrimagnetic materials, magnetic domains, B-H curves.

MSE342H1 - Nanomaterials

Hours: 26L/13T

An introduction to nanostructured materials. Topics include: the different classes of nanomaterials, synthesis and characterization methods, changes in physical properties on the nanometer scale, areas of application of nanostructured materials and materials issues in nanotechnology. (Quarter term course taught over the entire Fall term, worth .25 credits).

MSE343H1 - Biomaterials

Hours: 26L/13P

The course will provide an overview of the applications of materials (metals, polymers, ceramics, composites and modified tissue-based materials) for surgical implant fabrication. The important considerations in selection of materials for fabrication of these devices with an introduction to the biological responses expected with implantation will also be discussed. The concept of biocompatibility will be introduced as well as the essential elements of biology related to an understanding of this criterion for biomaterial selection and implant design. (Quarter term course taught over the entire Fall term, worth .25 credits).

MSE351H1 - Design and Sim of Materials Processes

Hours: 36L/12T/24P

Various phenomena involved in materials processing and design will be modeled using a software package based on the finite element method. Examples will include aspects of solid state diffusion, structural stress, heat transfer, fluid flow and chemical reactions. The problems will involve unsteady state as well as 3 dimensional systems. Multi-physics phenomena such as heating of an electric component by an electric current, resulting in a change in physical properties affecting thermal properties will also be introduced. The main objective of this course is to introduce students to the use of a commercial software package to solve fairly common but complex physical and chemical phenomena related to the materials industry.

MSE451H1 - Advanced Physical Properties of Structural Nanomaterials

Hours: 39L/13T/39P

This course deals with the physical properties of bulk nanostructured materials. Included are mechanical properties (elastic behavior, tensile and compressive strength, creep, wear and fatigue properties) electrical properties (electrical transport phenomena, electrical resistivity) magnetic properties (paramagnetic, diamagnetic, soft and hard ferromagnetic, superparamagnetic and antiferromagnetic properties), thermodynamic properties (interfacial enthalpy, thermal stability, phase transformations, heat capacity). The considerable differences observed for nanocrystalline solids compared to conventional polycrystalline and amorphous solids will be discussed in terms of the microstructural differences for these materials.

MSE430H1 - Electronic Materials

Hours: 26L/13T

Materials parameters and electronic properties of semiconductors are discussed as basic factors in the engineering of semiconductor devices. Materials parameters are related to preparation and processing methods, and thus to the electronic properties. The implications of materials parameters and properties on selected simple devices are discussed.

MSE459H1 - Synthesis of Nanostructured Materials

Hours: 39L/26P

Various synthesis techniques to produce nanostructured materials will be introduced. These include methods involving the vapor phase (physical and chemical vapor deposition, organometallic chemical vapor deposition), the liquid phase (rapid solidification, spark erosion), the solid phase, (mechanical attrition, equal channel deformation) as well techniques producing these structures from solution (electrodeposition, electroless processing, precipitation). Secondary processing techniques to produce final products or devices will also be discussed.

MSE440H1 - Biomaterial Processing and Properties

Hours: 39L/13T

Currently used biomaterials for formation of surgical implants and dental restorations include selected metals, polymers, ceramics, and composites. The selection and processing of these materials to satisfy biocompatibility and functional requirements for applications in selected areas will be presented. Materials used for forming scaffolds for tissue engineering, and strategies for repair, regeneration and augmentation of degenerated or traumatized tissues will be reviewed with a focus on biocompatibility issues and required functionality for the intended applications.

MSE461H1 - Engineered Ceramics

Hours: 39L/24T

The unique combinations of physical, electrical, magnetic, and thermomechanical properties exhibited by advanced technical ceramics has led to a wide range of applications including automobile exhaust sensors and fuel cells, high speed cutting tool inserts and ball bearings, thermal barrier coatings for turbine engines, and surgical implants. This course examines the crystal and defect structures which determine the electrical and mass transport behaviours and the effects of microstructure on optical, magnetic, dielectric, and thermomechanical properties. The influence of these structure-property relations on the performance of ceramic materials in specific applications such as sensors, solid oxide fuel cells, magnets, and structural components is explored.

MSE498Y1 - Design and Research Project

Hours: 156P

The students, alone or preferably organized in small groups, select a project involving original research and design work which is normally closely related to the current work of a staff member, and in close collaboration with an external partner (e.g. local industry, hospital, government lab). The students conceive and carry out a research plan under the supervision of the academic staff member usually with an external liaison person as a resource person. The project must contain a significant design component. The project work may be carried out in the department, at the external site, or both locations. The final grade will be based on interim and final written reports, oral presentations at the end of each term and a final poster presentation.

Exclusion: CHM499Y1

Mathematics

Faculty List

Professor and Chair of the Department

J. Quastel, MSc, Ph D, FRSC

Professors and Associate Chair (Research)

S. Alexakis, BA, Ph D

Professor and Associate Chair (Graduate)

K. Rafi, B Sc, Ph D

Professor and Associate Chair (Undergraduate)

D. Bar-Natan, B Sc, Ph D

University Professors

J.G. Arthur, MA, Ph D, FRSC, FRS
 J. Friedlander, MA, Ph D, FRSC (UTSC)
 I.M. Sigal, BA, Ph D, FRSC

Professors

E. Bierstone, MA, Ph D, FRSC
 I. Binder, B Sc, M Sc, Ph D (UTM)
 J. Bland, M Sc, Ph D
 A. Braverman, B Sc, Ph D
 A. Burchard, B Sc, Ph D
 G. Elliott, B Sc, Ph D, FRSC
 M. Goldstein, B Sc, Ph D (UTSC)
 M. Gualtieri, B Sc, Ph D
 V. Ivrii, MA, Ph D, Dr Math, FRSC
 L. Jeffrey, AB, Ph D, FRSC (UTSC)
 R. Jerrard, M Sc, Ph D (U), FRSC
 J. Kamnitzer, B Sc, Ph D
 V. Kapovitch, B Sc, Ph D
 Y. Karshon, B Sc, Ph D (UTM)
 K. Khanin, M Sc, Ph D (UTM)
 B. Khesin, M Sc, Ph D
 A. Khovanskii, M Sc, Ph D
 H. Kim, B Sc, Ph D
 S. Kudla, B A, MA, Ph D, FRSC
 I. Loseu M Sc, Ph D (UTM - Starting July 1, 2018)
 R. McCann, BSc, Ph D, FRSC
 M. Marcolli, M Sc, Ph D
 E. Meinrenken, B Sc, Ph D, FRSC
 P. Milman, Dipl Maths, Ph D, FRSC
 F. Murnaghan, M Sc, Ph D
 K. Murty, B Sc, Ph D, FRSC
 A. Nabutovsky, M Sc, Ph D
 A. Nachman, B Sc, Ph D
 D. Panchenko, B Sc, M Sc, Ph D
 M. Pugh, BSc, Ph D
 J. Repka, B Sc, Ph D (U)
 R. Rotman BA, Ph D
 L. Seco, BA, Ph D (UTM)
 C. Sulem, M Sc, Dr D'Etat, FRSC
 S. Todorcevic, B Sc, Ph D, FRSC
 B. Virág, BA, Ph D (UTSC)
 W.A.R. Weiss, M Sc, Ph D (UTM)
 M. Yampolsky, B Sc, Ph D (UTM)

Associate Professors

F. Herzig, BA, Ph D
 J. Scherk, D Phil (UTSC)
 J. Tsimerman, Ph D

Associate Professors, Teaching Stream

D. Burbulla, B Sc, B Ed, MA

Assistant Professors

S. Aretakis, MA, Ph D (UTSC)
 C. Blois, B Sc, M Sc, Ph D
 J. de Simoi, M Sc, Ph D (UTM)
 V. Dimitrov, AB, M Sc, Ph D (Coxeter, CLTA)
 M. Groechenig, B Sc, D Phil (UTM - Starting July 1, 2018)
 R. Haslhofer, B Sc, M Sc, Ph D (UTSC)
 J. Lefebvre, B Sc, Ph D
 Y. Liokumovich, B Sc, M Sc, Ph D (UTM)
 F. Pusateri, BS, MS, Ph D (Starting May 1, 2018)
 B. Rossman, BA, MA, Ph D
 A. Shankar, B Sc, Ph D (UTM)
 A. Stinchcombe, BMath, Ph D
 G. Tiozzo, MA, Ph D (UTSC)
 H. Yuen, BA, Ph D (Starting July 1, 2018)
 A. Zaman, B Sc, M Sc, Ph D
 K. Zhang, B Sc, Ph D (UTM)

Assistant Professors, Teaching Stream

B. Galvao-Souza, Ph D
 A. Gracia-Saz, Ph D
 N. Hoell BA, MA, M Phil, Ph D - CLTA
 S. Mayes-Tang, Bc, MS, Ph D
 B. Rossman, BA, MA, Ph D
 J. Sieffken, HBS, MS, Ph D

Lecturers

S. Homayouni, B Sc, Ph D
 N. Jung, BA, MSc, Ph D
 E.A.P. LeBlanc, MA, Ph D
 J. Tate, B Sc, B Ed
 S. Uppal, M Sc

Professors Emeriti

M.A. Akcoglu, M Sc, Ph D, FRSC
 E.J. Barbeau, MA Ph D (U)
 T. Bloom, MA, Ph D, FRSC
 M. D. Choi, MA, Ph D, FRSC
 H.C. Davis, MA, Ph D (N)
 E.W. Ellers, Dr Rer Nat
 I.R. Graham, B Sc, Ph D (UTM)
 S. Halperin, M Sc, Ph D, FRSC
 V. Jurdjevic, MS, PhD
 J.W. Lorimer, M Sc, Ph D (U)
 E. Mendelsohn, M Sc, Ph D (UTSC)
 K. Murasugi, MA, D Sc, FRSC
 P. Rosenthal, MA, Ph D, LLB
 P. Selick, B Sc, MA, Ph D (UTSC)
 D.K. Sen, M Sc, Dr s Sc
 F. D. Tall, AB, Ph D (UTM)

Associate Professor Emeritus

N.A. Derzko, B Sc, Ph D
 S.M. Tanny, B Sc, Ph D (UTM)

Associate Professors, Teaching Stream, Emiritus

A. Lam, M Sc
 A. Igelfeld, M Sc

Senior Lecturer Emeritus

P. Kergin, Ph D
 F. Recio, MSc, Ph D

Introduction

Mathematics is the study of shape, quantity, pattern and structure. It serves as a tool for our scientific understanding of the world. Knowledge of mathematics opens gateways to many different professions such as economics, finance, computing, engineering, and the natural sciences. Aside from practical considerations, mathematics can be a highly satisfying intellectual pursuit, with career opportunities in teaching and research.

The department counts many of Canada's leading research mathematicians among its faculty. Our mathematics programs are flexible, allowing students to select courses based on specialization and interest. Contents range from calculus and linear algebra in the non-specialist programs to more advanced topics such as real and complex analysis, ordinary and partial differential equations, differential geometry, topology, commutative algebra, graph theory, mathematical logic, number theory, and functional analysis.

The department offers eight specialist programs in addition to the major and minor programs.

In the **Mathematics, Applied Mathematics, Mathematics and Physics**, and **Mathematics and Philosophy** specialist programs, students acquire an in-depth knowledge and expertise in mathematical reasoning and the language of mathematics, with its emphasis on rigor and precision. These programs are designed for students wishing to pursue graduate studies; most of the graduates of these programs continue on to graduate school with some of them gaining admission to the world's best graduate schools.

The **Mathematical Applications in Economics and Finance** specialist program is designed to prepare students for direct entry into the world of finance. It can also serve as a gateway to an MBA or a Master of Finance degree, possibly followed by an eventual doctorate.

The **Mathematics and its Applications** specialist programs offer three areas of concentration: teaching, physical science, and probability/statistics. These specialist programs are designed as 'enhanced double majors.' The required courses for these concentrations are almost identical for the first two years, but they diverge in the upper years. Students in these programs can also continue on to graduate studies.

The **Major** and **Minor** programs are intended for students who want to combine mathematical skills with work in other subjects. These programs require less coursework than the specialist programs, but still require the completion of some upper year mathematics courses.

Students interested in becoming K-12 teachers should consider applying to the combined degree program --- a six-year program that leads to an Honours Bachelor of Science (HBSc) from the University of Toronto and a Master of Teaching (MT) from the Ontario Institute for Studies in Education (OISE). The HBSc part of this program involves completing a Math Major, a Minor in Education and Society (offered by Victoria College) and a Minor in an area that would lead to a second "teachable" subject. Please see the Victoria College website for more information.

The **Professional Experience Year Co-op Program** is available to eligible full-time Specialist and Major students after their second or third year of study. The PEY Co-op program is an optional 12-16 month work term providing industrial experience. It gives students an opportunity to apply their skills in the context of a paid internship.

The Department of Mathematics offers introductory courses for incoming students to foster the development of mathematics skills.

PUMP Level 1 and PUMP Level 2 (Preparing for University Mathematics Program)

Both programs are non-credit courses that equip students with the necessary background knowledge required to succeed in first year mathematics courses. The content for the courses may be viewed at <http://www.math.toronto.edu/cms/undergraduate-program/current-students-ug/pump-courses-2/>.

PUMP Level 1 provides a quick math review during the months of July and August, for students who would like to take six weeks prior to the start of the first semester to practice pre-calculus math skills. During other terms, it is scheduled as a longer course, for students who have not taken the appropriate high school mathematics prerequisites for university calculus and linear algebra. This course is recommended for any student who wish to close any existing gap between high school math and University level math courses or anyone who wishes to review high school math before attempting University level math or other science courses.

PUMP Level 2, is an Introduction to Proofs course. The curriculum provides background knowledge that is a preparation for **MAT137Y1**, **MAT157Y1**, **MAT240H1**, **MAT247H1**, **MAT237Y1**, and other proof-oriented advanced courses. The course covers the reading and comprehension of mathematical statements, analyzing definitions and properties, formulation of arguments, and strategies for proofs. This course is recommended for any student who wish to add to their knowledge by joining the group of students who will commence their preparation for the more challenging concepts in the advance analytical programs, during the months of July and August.

Visit <http://www.math.toronto.edu/cms/potential-students-ug/> for up-to-date information on the availability of PUMP Level 1 and PUMP Level 2.

If you have questions about the content of these courses, e-mail inquiries@math.utoronto.ca.

Course Change Dates

Some of the more advanced first- and second-year courses have "change dates" during the first few weeks of the academic year. The "change date" occurs after the general "add date" for courses and before the "drop date" for courses. For example, a student enrolled in **MAT157Y1** can change their enrolment to **MAT137Y1** or **MAT135H1** at any time on or before the change date. For deadlines and further details, see <http://www.math.toronto.edu/cms/change-dates>.

Contact Information

Associate Chair for Undergraduate Studies

Enquiries and student counseling: Bahen Centre, Room 6291

Departmental Office: Bahen Centre, Room 6290 (416-978-3323)
 Websites: <http://www.math.toronto.edu/cms/potential-students-ug/>
<http://www.math.toronto.edu/cms/current-students-ug/>

Applied Mathematics Specialist (Science Program) - ASSPE2053

Completion Requirements:

(13.0-13.5 FCE, including at least 1.5 FCE at the 400-level)

The Specialist Program in Applied Mathematics is directed toward students who hope to pursue applied mathematical research as a career.

First Year:

MAT157Y1, MAT240H1, MAT247H1, (CSC108H1, CSC148H1)/
CSC150H1

Second Year:

MAT257Y1, MAT267H1, STA257H1, STA261H1

Second and Higher Years:

1. At least 0.5 FCE with a significant emphasis on ethics and social responsibility: ENV333H1/ ETH201H1/ ETH210H1/ ETH220H1/ HPS200H1/ JPH441H1/ PHL265H1/ PHL273H1/ PHL275H1/ PHL281H1 or another H course approved by the Department.

NOTE: Students may use the CR/NCR option with this H course and have it count toward the program. Students in the VIC program may also use VIC172Y1.

Third and Fourth Years:

1. MAT351Y1, MAT327H1, MAT347Y1, MAT354H1, MAT357H1, MAT363H1/ MAT367H1 (MAT363H1 can be taken in the second year, if desired), STA347H1
2. At least 1.5 FCE chosen from: MAT332H1, MAT344H1, MAT454H1, MAT457H1, MAT458H1, MAT464H1, STA302H1, STA457H1, CSC336H1, CSC436H1, CSC446H1, CSC456H1
3. 1.0 FCE from: APM421H1, APM426H1, APM441H1, APM446H1, APM461H1, APM462H1, APM466H1
4. MAT477H1

NOTE:

1. The Department recommends that PHY151H1 and PHY152H1 be taken in the First Year, and that CSC148H1 and STA257H1 be taken during the program. If you do not have a year-long course in programming from high school, the Department strongly recommends that you take CSC108H1 prior to CSC148H1.

2. Students planning to take specific fourth year courses should ensure that they have the necessary second and third year prerequisites.

3. Students with a CGPA of 3.5 and above may apply to have graduate level math courses count towards their 400-level course requirements.

Mathematics Programs

Mathematics Specialist (Science Program) - ASSPE1165

Completion Requirements:

(12.5 FCE, including at least 3.0 FCE at the 400-level)

The Specialist Program in Mathematics is directed toward students who hope to pursue mathematical research as a career.

First Year:

MAT157Y1, MAT240H1, MAT247H1

Second Year:

MAT257Y1, MAT267H1

Second and Higher Years:

1. At least 0.5 FCE with a significant emphasis on ethics and social responsibility: ENV333H1/ ETH201H1/ ETH210H1/ ETH220H1/ HPS200H1/ JPH441H1/ PHL265H1/ PHL273H1/ PHL275H1/ PHL281H1 or another H course approved by the Department.

NOTE: Students may use the CR/NCR option with this H course and have it count toward the Mathematics Specialist program. Students in the VIC program may also use VIC172Y1.

2. MAT327H1

Third and Fourth Years:

1. MAT347Y1, MAT354H1, MAT357H1, MAT363H1/ MAT367H1 (MAT363H1 can be taken in the second year, if desired)
2. 2.0 FCE of: MAT309H1, MAT351Y1, ANY 400-level APM/MAT
3. 3.0 FCE of APM/MAT at the 300+ level, including at least 2.0 FCE at the 400 level (these may include options above not already chosen)
4. MAT477H1

NOTE:

1. The Department recommends that PHY151H1 and PHY152H1 be taken in the First Year, and that CSC148H1 and STA257H1 be taken during the program. If you do not have a year-long course in programming from high school, the Department strongly recommends that you take CSC108H1 prior to CSC148H1.

2. Students planning to take specific fourth year courses should ensure that they have the necessary second and third year prerequisites.

3. Students with a CGPA of 3.5 and above may apply to have graduate level math courses count towards their 400-level course requirements.

Mathematics and Physics Specialist (Science Program) - ASSPE0397

Completion Requirements:

(14.5-15.5 FCE, including at least 1.0 FCE at the 400-level)

First Year:

MAT157Y1, MAT240H1, MAT247H1, PHY151H1, PHY152H1

Second Year:

MAT257Y1, MAT267H1, PHY224H1, PHY250H1, PHY252H1,
PHY254H1, PHY256H1

Second and Higher Years:

1. At least 0.5 FCE with a significant emphasis on ethics and social responsibility: ENV333H1/ ETH201H1/ ETH210H1/ ETH220H1/
HPS200H1/ JPH441H1/ PHL265H1/ PHL273H1/ PHL275H1/
PHL281H1 or another H course approved by the Department.

NOTE: Students may use the CR/NCR option with this H course and have it count toward the program. Students in the VIC program may also use VIC172Y1.

2. Note: PHY252H1 and PHY324H1 may be taken in the 2nd or 3rd year.

Third Year:

1. MAT351Y1, MAT334H1/ MAT354H1, MAT357H1
2. One of: MAT327H1, MAT347Y1, MAT363H1/ MAT367H1
(MAT363H1 can be taken in the second year, if desired)
3. PHY324H1, PHY350H1, PHY354H1, PHY356H1

Fourth Year:

1. Two of: APM421H1, APM426H1, APM446H1, APM441H1
2. Two of: PHY450H1, PHY452H1, PHY454H1, PHY456H1,
PHY460H1
3. One of: MAT477H1, PHY424H1, PHY478H1, PHY479Y1

NOTE:

1. Students who are intending to apply to graduate schools in mathematics would be well-advised to take MAT347Y1.
2. Students planning to take specific fourth year courses should ensure that they have the necessary second and third year prerequisites.
3. Students with a CGPA of 3.5 and above may apply to have graduate level math courses count towards their 400-level course requirements.

Mathematics and Philosophy Specialist (Science Program) - ASSPE1361

Completion Requirements:

Consult the Undergraduate Coordinators of the Departments of Mathematics and Philosophy.

(12.0 FCE including at least 1.0 FCE at the 400-level)

First Year:

MAT157Y1, MAT240H1, MAT247H1; PHL232H1 or PHL233H1

Higher Years:

1. MAT257Y1, MAT327H1, MAT347Y1, MAT354H1/ MAT357H1
2. PHL345H1, MAT309H1/ PHL348H1
3. Four of: PHL325H1, PHL331H1, PHL332H1, PHL346H1,
PHL347H1, PHL349H1, PHL355H1, PHL451H1, PHL480H1
4. 1.0 FCE from PHL200Y1/ PHL205H1/ PHL206H1/ PHL210Y1
5. PHL265H1/ PHL275H1
6. 2.0 FCE of PHL/APM/MAT at the 300+ level, to a total of 12.0 FCE.

NOTE: Students with a CGPA of 3.5 and above may apply to have graduate level math courses count towards their 400-level course requirements.

Mathematical Applications in Economics and Finance Specialist (Science Program) - ASSPE1700

Completion Requirements:

(12-12.5 FCE, including at least 1.5 FCE at the 400-level)

First Year:

ECO100Y/(ECO101H1, ECO102H1); MAT137Y1/ MAT157Y1,
MAT223H1, MAT224H1

(Please check the requirements for ECO206Y1 to ensure that you pass these first year courses with grades that allow registration in ECO206Y1)

Second Year:

ECO206Y1; MAT237Y1, MAT244H1, MAT246H1 (waived for students taking MAT157Y1); STA257H1, STA261H1

Second and Higher Years:

1. At least 0.5 FCE with a significant emphasis on ethics and social responsibility: ENV333H1/ ETH201H1/ ETH210H1/ ETH220H1/
HPS200H1/ JPH441H1/ PHL265H1/ PHL273H1/ PHL275H1/
PHL281H1 or another H course approved by the Department. Note: Students may use the CR/NCR option with this H course and have it count toward the program. Students in the VIC program may also use VIC172Y1.

Third Year:

1. APM346H1; ECO358H1; ECO359H1; MAT337H1; STA302H1/
ECO375H1; STA347H1
2. One of: MAT332H1, MAT344H1, MAT334H1, MAT475H1

Fourth Year:

APM462H1, APM466H1; STA457H1

NOTE:

1. Students planning to take specific fourth year courses should ensure that they have the necessary third year prerequisites.
2. Please note that STA457H1 lists STA302H1 as one of the prerequisites so you are encouraged to plan ahead.

Mathematics & Its Applications Specialist (Physical Science) (Science Program) - ASSPE1758

Completion Requirements:

(13.5-14.5 FCE, including at least 1.0 FCE at the 400 level)

Core Courses:

First Year:

(CSC108H1, CSC148H1)/ CSC150H1, MAT137Y1/ MAT157Y1, MAT223H1/ MAT240H1, MAT224H1/ MAT247H1 (recommended, can also be taken in 2nd year)

Second Year:

MAT235Y1/ MAT237Y1/ MAT257Y1, MAT246H1 (waived for students taking MAT157Y1), MAT244H1/ MAT267H1, STA257H1

Second and Higher Years:

1. At least 0.5 FCE with a significant emphasis on ethics and social responsibility: ENV333H1/ ETH201H1/ ETH210H1/ ETH220H1/ HPS200H1/ JPH441H1/ PHL265H1/ PHL273H1/ PHL275H1/ PHL281H1 or another H course approved by the Department. Note: Students may use the CR/NCR option with this H course and have it count toward the program. Students in the VIC program may also use VIC172Y1.

Higher Years:

MAT301H1, MAT334H1

NOTE:

1. Students planning to take specific fourth year courses should ensure that they have the necessary second and third year prerequisites.

Physical Sciences Concentration:

- 2. PHY151H1, PHY152H1, AST221H1
- 3. Three of: AST222H1, PHY250H1, PHY252H1, PHY254H1, PHY256H1
- 4. APM346H1/ MAT351Y1
- 5. Three of: AST320H1, AST325H1, MAT337H1, MAT363H1/ MAT367H1, PHY350H1, PHY354H1, PHY356H1, PHY357H1, PHY358H1
- 6. Two of: APM421H1, APM426H1, APM441H1, APM446H1, PHY407H1, PHY408H1, PHY456H1

Mathematics & Its Applications Specialist (Probability/Statistics) (Science Program) - ASSPE1890

Completion Requirements:

(11.5-13.0 FCE, including at least 1.0 FCE at the 400 level)

Core Courses:

First Year:

(CSC108H1, CSC148H1)/ CSC150H1; MAT137Y1/ MAT157Y1, MAT223H1/ MAT240H1, MAT224H1/ MAT247H1

Second Year:

MAT235Y1/ MAT237Y1/ MAT257Y1, MAT246H1 (waived for students taking MAT157Y1), MAT244H1/ MAT267H1; STA257H1

Second and Higher Years:

1. At least 0.5 FCE with a significant emphasis on ethics and social responsibility: ENV333H1/ ETH201H1/ ETH210H1/ ETH220H1/ HPS200H1/ JPH441H1/ PHL265H1/ PHL273H1/ PHL275H1/ PHL281H1 or another H course approved by the Department. Note: Students may use the CR/NCR option with this H course and have it count toward the program. Students in the VIC program may also use VIC172Y1.

Higher Years:

MAT301H1, MAT334H1

NOTE:

1. Students planning to take specific fourth year courses should ensure that they have the necessary second and third year prerequisites.

Probability/Statistics Concentration:

- 1. APM346H1/ MAT351Y1/ APM462H1; MAT337H1; STA261H1, STA302H1, STA347H1, STA352Y1/(STA452H1, STA453H1)
- 2. Additional 1.0 FCE at the 300+level from APM/MAT/STA
- 3. Two of: STA437H1, STA442H1, STA447H1, STA457H1

Mathematics & Its Applications Specialist (Teaching) (Science Program) - ASSPE1580

Completion Requirements:

(11.5-12.0 FCE, including at least 1.0 FCE at the 400 level)

Core Courses:

First Year:

CSC108H1; MAT137Y1/ MAT157Y1, MAT223H1/ MAT240H1, MAT224H1/ MAT247H1 (recommended, can also be taken in 2nd year)

Second Year:

MAT235Y1/ MAT237Y1/ MAT257Y1, MAT246H1 (waived for students taking MAT157Y1), MAT244H1/ MAT267H1; STA257H1

NOTE:

1. MAT237Y1/ MAT257Y1 is a direct or indirect prerequisite for many courses in each of the areas of concentration except the Teaching Concentration. Students are advised to take MAT237Y1/ MAT257Y1 unless they have planned their program and course selection carefully and are certain that they will not need it.

Second and Higher Years:

1. At least 0.5 FCE with a significant emphasis on ethics and social responsibility: ENV333H1/ ETH201H1/ ETH210H1/ ETH220H1/ HPS200H1/ JPH441H1/ PHL265H1/ PHL273H1/ PHL275H1/

PHL281H1 or another H course approved by the Department. Note: Students may use the CR/NCR option with this H course and have it count toward the program. Students in the VIC program may also use VIC172Y1.

Higher Years:
MAT301H1, MAT334H1

NOTE:

1. Students planning to take specific fourth year courses should ensure that they have the necessary second and third year prerequisites.

Teaching Concentration:

For course selection, note that OISE requires students to have a second teachable subject.

1. MAT329Y1, HPS390H1/ MAT390H1, HPS391H1/ MAT391H1
2. Two of: MAT332H1/ MAT344H1, MAT335H1, MAT337H1, MAT363H1/ MAT367H1
3. Two of: MAT309H1, MAT315H1; STA302H1 / STA347H1
4. MAT401H1/ MAT402H1 and 0.5 FCE at the 400-level from MAT, APM, STA

Mathematics Major (Science Program) - ASMAJ1165

Completion Requirements:

(7.5 full courses or their equivalent. These must include at least 2.5 full course equivalent (FCE) at the 300+ level. Of those 2.5 FCE, at least 0.5 FCE must be at the 400 level).

First Year:

(MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1, MAT223H1/ MAT240H1, MAT224H1/ MAT247H1

Second Year:

MAT235Y1/ MAT237Y1/ MAT257Y1, MAT244H1, MAT246H1

NOTE:

1. MAT224H1 may be taken in first year

Second and Higher Years:

1. At least 0.5 FCE with a significant emphasis on ethics and social responsibility: ENV333H1/ ETH201H1/ ETH210H1/ ETH220H1/ HPS200H1/ JPH441H1/ PHL265H1/ PHL273H1/ PHL275H1/ PHL281H1 or another H course approved by the Department. Note: Students may use the CR/NCR option with this H course and have it count toward the program. Students in the VIC program may use VIC172Y1.

Higher Years:

1. MAT301H1, MAT309H1/ MAT315H1, MAT334H1
2. Additional 0.5 FCE at the 200+ level from: ACT240H1/ ACT230H1, APM236H1, MAT309H1/ MAT315H1/ MAT335H1/ MAT337H1, STA247H1/ STA257H1
3. Additional 0.5 FCE at the 300+ level from: APM346H1, APM462H1, MAT309H1, MAT315H1, MAT332H1/ MAT344H1, MAT335H1, MAT337H1, MAT363H1, MAT475H1, HPS390H1, HPS391H1, PSL432H1
4. MAT401H1/ MAT402H1 or any other MAT/APM 400-level course

NOTES:

1. Students using MAT157Y1 towards the first year program requirements must replace the exclusion course MAT246H1 with a different H level MAT/APM course at the 200+ level.

2. In the major program, higher level courses within the same topic are acceptable substitutions. With a judicious choice of courses, usually including introductory computer science, students can fulfill the requirements for a double major in mathematics and one of several other disciplines.

3. Students planning to take specific fourth year courses should ensure that they have the necessary second and third year prerequisites.

4. Students interested in becoming K-12 teachers should consider applying to the combined degree program --- a six-year program that leads to an Honours Bachelor of Science (H B Sc) from the University of Toronto and a Master of Teaching (M T) from the Ontario Institute for Studies in Education (OISE). The HBSc part of this program involves completing a Math Major, a Minor in Education and Society (offered by Victoria College) and a Minor in an area that would lead to a second "teachable" subject. Please see the Victoria College website for more information.

Mathematics Minor (Science Program) - ASMIN1165

Completion Requirements:

(4.0 FCE)

1. (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1
2. MAT221H1(80%+)/ MAT223H1/ MAT240H1, MAT235Y1/ MAT237Y1/ MAT257Y1, MAT224H1/ MAT244H1/ MAT246H1/ APM236H1/ MAT247H1

Note: MAT221H1/ MAT223H1 should be taken in first year

3. Additional 1.0 FCE at the 300+ level from APM/MAT/ HPS390H1/ HPS391H1/ PSL432H1 [note that APM306Y1 will be counted as 0.5 FCE towards this requirement].

NOTE:

1. In the minor program, higher level courses within the same topic are acceptable substitutions.
2. Students planning to take specific third and fourth year courses should ensure that they have the necessary first, second and third year prerequisites.
3. APM306Y1 will be counted for 0.5 credits of Society and its Institutions (BR3) and 0.5 credits of The Physical and Mathematical Universes (BR5).

Joint Programs

- Economics and Mathematics, see Economics
- Statistics and Mathematics, see Statistics
- Combined Degree Program: STG, Honours Bachelor of Science, Major in Mathematics / Master of Teaching

Combined Degree Program (CDP) in Science and Education: Mathematics (Major), Honours Bachelor of Science/Master of Teaching

The Combined Degree Program in Arts/Science and Education is designed for students interested in studying the intersections of teaching subjects and Education, coupled with professional teacher preparation. Students earn an Honours Bachelor's degree from the Faculty of Arts and Science (St. George) and an accredited professional Master of Teaching (MT) degree from the Ontario Institute for Studies in Education (OISE). They will be recommended to the Ontario College of Teachers for an Ontario Teacher's Certificate of Qualifications as elementary or secondary school teachers. The CDP permits the completion of both degrees in six years with 1.0 FCE that may be counted towards both the undergraduate and graduate degrees.

Program requirements:

1. [Minor in Education and Society, Victoria College](#)
2. [Major in Mathematics](#) (first teaching subject)
3. Minor in an area corresponding to the second teaching subject as determined by OISE
(see http://pepper.oise.utoronto.ca/~jhewitt/mtresources/intermediate_se_nior_teaching_subject_prerequisites_2016-17.pdf)

See [here](#) for additional information on the CDP, including admission, path to completion and contact information.

Mathematics Courses

MAT133Y1 - Calculus and Linear Algebra for Commerce

Hours: 72L

Mathematics of finance. Matrices and linear equations. Review of differential calculus; applications. Integration and fundamental theorem; applications. Introduction to partial differentiation; applications.

NOTE: please note Prerequisites listed below. Students without the proper prerequisites for [MAT133Y1](#) may be deregistered from this course.

Note that MAT133Y is not a valid prerequisite for a number of more advanced quantitative courses. Students who are considering a quantitative non-Commerce PoSt, such as a math minor or a stats minor, may want to consider MAT135H and MAT136H, MAT137Y, or MAT157Y instead of MAT133Y. Specifically, a student who took MAT133Y may need to subsequently take MAT135H and MAT136H as "extra" or take MAT137Y or MAT157Y in order to proceed in non-Commerce PoSts.

Prerequisite: High school level calculus

Exclusion: MAT135H1, MAT136H1, MAT137Y1, MAT157Y1, MATA30H3, MATA31H3, MATA32H3, MATA33H3, MATA35H3, MATA36H3, MATA37H3, MAT133Y5, MAT134Y5, MAT135Y5, MAT137Y5, MAT138Y5, MAT186H, MAT187H, MAT194H, MAT195H, MAT196H & MAT197H

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT135H1 - Calculus 1(A)

Hours: 36L/12T

Review of trigonometric functions, trigonometric identities and trigonometric limits. Functions, limits, continuity. Derivatives, rules of differentiation and implicit differentiation, related rates, higher derivatives, logarithms, exponentials. Trigonometric and inverse trigonometric functions, linear approximations. Mean value theorem, graphing, min-max problems, l'Hôpital's rule; anti-derivatives. Examples from life science and physical science applications.

Prerequisite: High school level calculus

Exclusion: MAT133Y1, MAT136H1, MAT137Y1, MAT157Y1, MATA30H3, MATA31H3, MATA32H3, MATA33H3, MATA35H3, MATA36H3, MATA37H3, MAT133Y5, MAT134Y5, MAT135Y5, MAT137Y5, MAT138Y5, MAT186H, MAT187H, MAT194H, MAT195H, MAT196H & MAT197H

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT136H1 - Calculus 1(B)

Hours: 36L/12T

Definite Integrals, Fundamental theorem of Calculus, Areas, Averages, Volumes. Techniques: Substitutions, integration by parts, partial fractions, improper integrals. Differential Equations: Solutions and applications. Sequences, Series, Taylor Series. Examples from life science and physical science applications.

Prerequisite: MAT135H1

Exclusion: MAT133Y1, MAT137Y1, MAT157Y1, MATA32H3, MATA33H3, MATA36H3, MATA37H3, MAT133Y5, MAT134Y5, MAT135Y5, MAT137Y5, MAT138Y5, MAT186H, MAT187H, MAT194H, MAT195H, MAT196H & MAT197H

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT138H1 - Introduction to Proofs

Hours: 36L/12T

The goal of this course is for students to become comfortable with abstraction, rigour, logic, and proofs. They will practice reading and understanding mathematical statements, analyzing definitions and properties, formulating conjectures and generalizations, providing and writing reasonable and precise arguments, writing and critiquing proofs. The instructor may use specific mathematical content, which could vary from year to year, to practice these skills. The course is aimed at students interested in the creative character of mathematics, particularly those planning to take any of our proof-oriented courses, and is an excellent preparation for MAT137Y1, MAT157Y1, or MAT240H1.

Note: students may take this course concurrently with MAT157Y1 or MAT137Y1, or prior to registering in MAT157Y1 or MAT137Y1. This course can also be used by students who have already taken MAT136H1 and wish to bridge the gap to MAT237Y1.

Prerequisite: High school level calculus

Exclusion: MAT157Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT137Y1 - Calculus

Hours: 72L/24T

A conceptual approach for students with a serious interest in mathematics. Attention is given to computational aspects as well as theoretical foundations and problem solving techniques. Review of Trigonometry. Limits and continuity, mean value theorem, inverse function theorem, differentiation, integration, fundamental theorem of calculus, elementary transcendental functions, Taylor's theorem, sequence and series, power series. Applications.

Prerequisite: High school level calculus

Exclusion: MAT135H1, MAT136H1, MAT157Y1, MATA35H3, MATA36H3, MATA37H3, MAT135Y5, MAT137Y5, MAT138Y5, MAT187H, MAT194H, MAT195H, MAT196H & MAT197H

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT157Y1 - Analysis I

Hours: 72L/48T

A theoretical course in calculus; emphasizing proofs and techniques, as well as geometric and physical understanding. Trigonometric identities. Limits and continuity; least upper bounds, intermediate and extreme value theorems. Derivatives, mean value and inverse function theorems. Integrals; fundamental theorem; elementary transcendental functions. Techniques of integration. Taylor's theorem; sequences and series; uniform convergence and power series.

Prerequisite: High school level calculus

Exclusion: MAT137Y1, MATA37H3, MAT137Y5, MAT157Y5, MAT195H1, & MAT197H1

Recommended Preparation: Students should consider taking the Preparing for University Math Level II in order to prepare in advance for MAT157Y1. Students may also take MAT138H1 concurrently with MAT157Y1. Students will receive credit for both MAT157Y1 and MAT138H1 if MAT138H1 is taken before or along with MAT157Y1.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

JMB170Y1 - Biology, Models, and Mathematics

Hours: 48L/24T

Applications of mathematics to biological problems in physiology, genetics, evolution, growth, population dynamics, cell biology, ecology, and behaviour. Mathematical topics include: power functions and regression; exponential and logistic functions; binomial theorem and probability; calculus, including derivatives, max/min, integration, areas, integration by parts, substitution; differential equations, including linear constant coefficient systems; dynamic programming; Markov processes; and chaos. This course is intended for students in Life Sciences.

Corequisite: BIO120H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT199H1 - Puzzles, Mind, and Math

Hours: 24S

The course is offered in a seminar/workshop format. Each week students solve puzzles, and develop initial and essential intuitions for the fundamental ideas of each puzzle. Then in the lectures and through the reading materials, the mathematical foundations of each puzzle are studied. Students learn to apply mathematical techniques to strengthen and generalize the puzzles, and to enrich their initial problem solving intuitions.

Topics covered include mathematics of numbers, counting, base and modular arithmetic, geometry and geometric constructions, graph theory, games, decision theory, logic puzzles, and recursion. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: High school level algebra

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT193H1 - Math and Magic

Hours: 24S

In this course we will look at magic tricks! Not just any magic tricks, but ones that involve only Mathematics and maybe a flair for the presentation. Some magic tricks involve only elementary Mathematics, others involve very deep Mathematics. In the discussions, we will talk about the tricks and the Mathematics behind them. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: High school level algebra.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

JUM202H1 - Mathematics as an Interdisciplinary Pursuit

Hours: 24L/12T

A study of the interaction of mathematics with other fields of inquiry: how mathematics influences, and is influenced by, the evolution of science and culture. Art, music, and literature, as well as the more traditionally related areas of the natural and social sciences may be considered. (Offered every three years)

JUM202H1 is particularly suited as a Science Distribution Requirement course for Humanities and Social Science students.

Exclusion: JUM102H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT198H1 - Cryptology: The Mathematics of Secrecy and Security

Hours: 24S

How do we send our own confidential information through secure channels, and how can we break codes to uncover the secret information of our adversaries? The mathematical field of cryptology is dedicated to answering such questions. In this course we will study breakthroughs in cryptology, from secret messages in the ancient world and the Enigma cipher in World War II, to modern cryptosystems that facilitate online commerce. Along the way, you will develop a sophisticated understanding of how numbers interact and develop the ability to communicate messages secretly and mathematics clearly. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: High school level algebra.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

JUM203H1 - Mathematics as a Recreation

Hours: 24L/12T

A study of games, puzzles and problems focusing on the deeper principles they illustrate. Concentration is on problems arising out of number theory and geometry, with emphasis on the process of mathematical reasoning. Technical requirements are kept to a minimum. A foundation is provided for a continuing lay interest in mathematics. (Offered every three years)

JUM203H1 is particularly suited as a Science Distribution Requirement course for Humanities and Social Science students.

Exclusion: JUM103H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT223H1 - Linear Algebra I

Hours: 36L/12T

Systems of linear equations, matrix algebra, real vector spaces, subspaces, span, linear dependence and independence, bases, rank, inner products, orthogonality, orthogonal complements, Gram-Schmidt, linear transformations, determinants, Cramer's rule, eigenvalues, eigenvectors, eigenspaces, diagonalization.

Prerequisite: High school level calculus

Exclusion: MATA23H3, MAT223H5, MAT224H1, MAT240H1, MAT240H5, MAT247H1, MAT247H5

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT224H1 - Linear Algebra II

Hours: 36L/12T

Fields, complex numbers, vector spaces over a field, linear transformations, matrix of a linear transformation, kernel, range, dimension theorem, isomorphisms, change of basis, eigenvalues, eigenvectors, diagonalizability, real and complex inner products, spectral theorem, adjoint/self-adjoint/normal linear operators, triangular form, nilpotent mappings, Jordan canonical form.

Prerequisite: MAT221H1(80%)/ MAT223H1/ MAT240H1

Exclusion: MAT247H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT235Y1 - Calculus II

Hours: 72L

Parametric equations and polar coordinates. Vectors, vector functions and space curves. Differential and integral calculus of functions of several variables. Line integrals and surface integrals and classic vector calculus theorems. Examples from life sciences and physical science applications.

Prerequisite: (MAT135H1/MATA30H3/MATA31H3, MAT136H1/ MATA36H3/MATA37H3)/MAT135Y5/ MAT137Y1/MAT137Y5/ MAT157Y1/MAT157Y5

Exclusion: MAT237Y1, MAT257Y1, MATB41H3, MATB42H3, MAT232H5, MAT233H5, MAT236H5, MAT368H5, MAT291H & MAT294H

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT221H1 - Applied Linear Algebra

Hours: 36L/12T

An application-oriented approach to linear algebra, based on calculations in standard Euclidean space. Systems of linear equations, matrices, Gauss-Jordan elimination, subspaces, bases, orthogonal vectors and projections. Matrix inverses, kernel and range, rank-nullity theorem. Determinants, eigenvalues and eigenvectors, Cramer's rule, diagonalization. This course has strong emphasis on building computational skills in the area of algebra. Applications to curve fitting, economics, Markov chains and cryptography.

Prerequisite: High school level calculus

Exclusion: MAT223H1, MATA23H3, MAT223H5, MAT224H1, MAT240H1, MAT240H5, MAT247H1, MAT247H5

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

APM236H1 - Applications of Linear Programming

Hours: 36L

Introduction to linear programming including a rapid review of linear algebra (row reduction, matrix inversion, linear independence), the simplex method with applications, the duality theorem, complementary slackness, the dual simplex method and the revised simplex method.

Prerequisite: MAT221H1/ MAT223H1/ MAT240H1 (Note: no waivers of prerequisites will be granted)

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT244H1 - Introduction to Ordinary Differential Equations

Hours: 36L

First order ordinary differential equations: Direction fields, integrating factors, separable equations, homogeneous equations, exact equations, autonomous equations, modeling. Existence and uniqueness theorem. Higher order equations: Constant coefficient equations, reduction of order, Wronskian, method of undetermined coefficients, variation of parameters. Solutions by series and integrals. First order linear systems, fundamental matrices. Non-linear equations, phase plane, stability. Applications in life and physical sciences and economics.

Prerequisite: (MAT135H1/MATA35H3/MATA30H3/MATA31H3, MAT136H1/MATA36H3/MATA37H3)/MAT135Y5/ MAT137Y1/

MAT137Y5/ MAT157Y1/MAT157Y5, MAT223H1/

MATA23H3/MAT223H5/ MAT240H1/MAT240H5

Corequisite: MAT235Y1/ MAT237Y1/ MAT257Y1

Exclusion: MAT267H1, MAT212H5, MAT258Y5

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT237Y1 - Multivariable Calculus

Hours: 72L

Sequences and series. Uniform convergence. Convergence of integrals. Elements of topology in \mathbb{R}^2 and \mathbb{R}^3 . Differential and integral calculus of vector valued functions of a vector variable, with emphasis on vectors in two and three dimensional Euclidean space. Extremal problems, Lagrange multipliers, line and surface integrals, vector analysis, Stokes' theorem, Fourier series, calculus of variations.

Prerequisite: MAT137Y1/ MAT157Y1/(MAT135H1, MAT136H1(90%))/(MAT136H1(70%), MAT138H1(70%)),

MAT223H1/ MAT240H1

Exclusion: MAT235Y1, MAT257Y1, MATB41H3, MATB42H3, MATB43H3 & MAT368H5

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT245H1 - Mathematical Methods in Data Science

Hours: 36L/24P

An introduction to the mathematical methods behind scientific techniques developed for extracting information from large data sets. Elementary probability density functions, conditional expectation, inverse problems, regularization, dimension reduction, gradient methods, singular value decomposition and its applications, stability, diffusion maps. Examples from applications in data science and big data.

Prerequisite: MAT137Y1/ MAT157Y1, MAT223H1/ MAT240H1, MAT224H1/ MAT247H1

Corequisite: MAT237Y1/ MAT257Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT240H1 - Algebra I

Hours: 36L/24T

A theoretical approach to: vector spaces over arbitrary fields, including \mathbb{C} and \mathbb{Z}_p . Subspaces, bases and dimension. Linear transformations, matrices, change of basis, similarity, determinants. Polynomials over a field (including unique factorization, resultants). Eigenvalues, eigenvectors, characteristic polynomial, diagonalization. Minimal polynomial, Cayley-Hamilton theorem.

Prerequisite: High school level calculus

Corequisite: MAT157Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT246H1 - Concepts in Abstract Mathematics

Hours: 36L/12T

Designed to introduce students to mathematical proofs and abstract mathematical concepts. Topics may include modular arithmetic, sizes of infinite sets, and a proof that some angles cannot be trisected with straightedge and compass.

Prerequisite: MAT133Y1/(MAT135H1, MAT136H1)/ MAT137Y1, MAT223H1

Exclusion: MAT157Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT267H1 - Advanced Ordinary Differential Equations

Hours: 36L/12T

A theoretical course on Ordinary Differential Equations. First-order equations: separable equations, exact equations, integrating factors. Variational problems, Euler-Lagrange equations. Linear equations and first-order systems. Fundamental matrices, Wronskians. Non-linear equations. Existence and uniqueness theorems. Method of power series. Elementary qualitative theory; stability, phase plane, stationary points. Oscillation theorem, Sturm comparison. Applications in mechanics, physics, chemistry, biology and economics.

Prerequisite: MAT157Y1/MAT157Y5, MAT247H1/MAT247H5

Corequisite: MAT257Y1

Exclusion: APM288H1, MAT244H1, MATB44H3, MAT242H5, MAT252H5, MAT234H1, MAT292H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT247H1 - Algebra II

Hours: 36L

A theoretical approach to real and complex inner product spaces, isometries, orthogonal and unitary matrices and transformations. The adjoint. Hermitian and symmetric transformations. Spectral theorem for symmetric and normal transformations. Polar representation theorem. Primary decomposition theorem. Rational and Jordan canonical forms. Additional topics including dual spaces, quotient spaces, bilinear forms, quadratic surfaces, multilinear algebra.

Prerequisite: MAT240H1/MAT240H5

Corequisite: MAT157Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT271H1 - Insights from Mathematics

Hours: 36L/6T

This breadth course is accessible to students with limited mathematical background. Various mathematical techniques will be illustrated with examples from humanities and social science disciplines. Some of the topics will incorporate user friendly computer explorations to give participants the feel of the subject without requiring skill at calculations.

Note: This course cannot be used to satisfy requirements of program in the math department.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT257Y1 - Analysis II

Hours: 72L/48T

Topology of \mathbb{R}^n ; compactness, functions and continuity, extreme value theorem. Derivatives; inverse and implicit function theorems, maxima and minima, Lagrange multipliers. Integration; Fubini's theorem, partitions of unity, change of variables. Differential forms. Manifolds in \mathbb{R}^n ; integration on manifolds; Stokes' theorem for differential forms and classical versions.

Prerequisite: MAT157Y1/MAT157Y5, MAT247H1/MAT247H5

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT282H1 - Topics in Mathematics

Hours: 36L

A course in mathematics on a topic outside the current undergraduate offerings. For information on the specific topic to be studied and possible additional prerequisites, go to <http://www.math.toronto.edu/cms/current-students-ug/>

Prerequisite: 1.0 FCE in 100-level MAT courses. Possible additional topic-specific prerequisites.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT295H1 - Independent Reading in Mathematics

Hours: TBA

Independent study under the direction of a faculty member. Topic must be outside undergraduate offerings. Similar workload to a 36L course. Not eligible for CR/NCR option.

Prerequisite: Minimum GPA of 3.5 in APM and MAT courses. Permission of the Associate Chair for Undergraduate Studies and of the prospective supervisor.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT299Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Science

MAT301H1 - Groups and Symmetries

Hours: 36L

Congruences and fields. Permutations and permutation groups. Linear groups. Abstract groups, homomorphisms, subgroups. Symmetry groups of regular polygons and Platonic solids, wallpaper groups. Group actions, class formula. Cosets, Lagrange theorem. Normal subgroups, quotient groups. Classification of finitely generated abelian groups. Emphasis on examples and calculations.

Prerequisite: MAT224H1/ MAT247H1, MAT235Y1/ MAT237Y1, MAT246H1/ CSC236H1/ CSC240H1. (These Prerequisites will be waived for students who have MAT257Y1.) For FASE students, MAT185H, MAT194H, MAT195H.

Exclusion: MAT347Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

APM306Y1 - Mathematics and Law

Hours: 72L

This course examines the relationship between legal reasoning and mathematical logic; provides a mathematical perspective on the legal treatment of interest and actuarial present value; critiques ethical issues; analyzes how search engine techniques on massive databases transform legal research and considers the impact of statistical analysis and game theory on litigation strategies.

NOTE

This course counts as 0.5 FCE in BR3 and 0.5 FCE in BR5.

This course will only contribute 0.5FCE to the Math Minor program.

Prerequisite: (MAT135H1/ MAT136H1)/ MAT137Y1/ MAT157Y1, MAT221H1/ MAT223H1/ MAT240H1

Exclusion: JUM206Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5); Society and its Institutions (3)

MAT296H1 - Independent Reading in Mathematics

Hours: TBA

Independent study under the direction of a faculty member. Topic must be outside undergraduate offerings. Workload equivalent to a 36L course. Not eligible for CR/NCR option.

Prerequisite: Minimum GPA of 3.5 in APM and MAT courses. Permission of the Associate Chair for Undergraduate Studies and of the prospective supervisor.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT297Y1 - Research Project in Mathematics

Hours: TBA

Independent research under the direction of a faculty member. Similar workload to a 72L course. Not eligible for CR/NCR option.

Prerequisite: Minimum GPA of 3.5 in APM and MAT courses. Permission of the Associate Chair for Undergraduate Studies and of the prospective supervisor

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT309H1 - Introduction to Mathematical Logic

Hours: 36L

Predicate calculus. Relationship between truth and provability; Gödel's completeness theorem. First order arithmetic as an example of a first-order system. Gödel's incompleteness theorem; outline of its proof. Introduction to recursive functions.

Prerequisite: MAT223H1/MATA23H3/MAT223H5/ MAT240H1/ MAT240H5, MAT235Y1/MAT235Y5/(MATB41H3, MATB42H3)/ MAT237Y1/(MATB41H3, MATB42H3, MATB43H3)/MAT237Y5, MAT246H1/ CSC236H1/ CSC240H1 (These Prerequisites will be waived for students who have MAT257Y1)

Exclusion: CSC438H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT329Y1 - Concepts in Elementary Mathematics

Hours: 72L

This course is aimed at students intending to become elementary school teachers. Emphasis is placed on the formation and development of fundamental reasoning and learning skills required to understand and to teach mathematics at the elementary level. Topics may include: Problem Solving and Strategies, Sets and Elementary Logic, Numbers and Elements of Number Theory, Introductory Probability and Fundamentals of Geometry.

The course may include an optional practicum in school classrooms.

Prerequisite: MAT137Y1/ MAT138H1/ MAT223H1/ MAT246H1 and any 5.0 FCE with a CGPA of at least 2.5

Exclusion: MAT382H5

Recommended Preparation: Participation in the practicum requires the presentation of an Ontario Police Report that declares suitability to work with minors and other special groups.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT315H1 - Introduction to Number Theory

Hours: 36L

Elementary topics in number theory: arithmetic functions; polynomials over the residue classes modulo m, characters on the residue classes modulo m; quadratic reciprocity law, representation of numbers as sums of squares.

Prerequisite: (MAT223H1/MATA23H3/MAT223H5/ MAT240H1/ MAT240H5, MAT235Y1/MAT235Y5/(MATB41H3, MATB42H3)/ MAT237Y1/(MATB41H3, MATB42H3, MATB43H3)/MAT237Y5, MAT246H1/ CSC236H1/ CSC240H1)/ MAT157Y1/MAT157Y5/ MAT247H1/MAT247H5

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT332H1 - Introduction to Graph Theory

Hours: 36L

This course will explore the following topics: Graphs, subgraphs, isomorphism, trees, connectivity, Euler and Hamiltonian properties, matchings, vertex and edge colourings, planarity, network flows and strongly regular graphs. Participants will be encouraged to use these topics and execute applications to such problems as timetabling, tournament scheduling, experimental design and finite geometries.

Prerequisite: MAT224H1/MATB24H3/MAT224H5/ MAT247H1/ MAT247H5

Corequisite: Recommended Corequisite: MAT301H1/ MAT347Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT327H1 - Introduction to Topology

Hours: 36L

Metric spaces, topological spaces and continuous mappings; separation, compactness, connectedness. Fundamental group and covering spaces. Brouwer fixed-point theorem. Students in the math specialist program wishing to take additional topology courses are advised to obtain permission to take MAT1300H, MAT1301H.

Prerequisite: MAT157Y1/MAT157Y5/(MAT237Y1/(MATB41H3, MATB42H3, MATB43H3)/MAT237Y5, MAT246H1 and permission of the instructor)

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT334H1 - Complex Variables**Hours:** 36L

Theory of functions of one complex variable, analytic and meromorphic functions. Cauchy's theorem, residue calculus, conformal mappings, introduction to analytic continuation and harmonic functions.

Prerequisite: MAT223H1/MATA23H3/MAT223H5/ MAT240H1/ MAT240H5, MAT235Y1/MAT235Y5/(MATB41H3, MATB42H3)/ MAT237Y1/(MATB41H3, MATB42H3, MATB43H3)/MAT237Y5/ MAT257Y1

Exclusion: MAT354H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT337H1 - Introduction to Real Analysis**Hours:** 36L

Construction of Real Numbers. Metric spaces; compactness and connectedness. Sequences and series of functions, power series; modes of convergence. Interchange of limiting processes; differentiation of integrals. Function spaces; Weierstrass approximation; Fourier series. Contraction mappings; existence and uniqueness of solutions of ordinary differential equations. Countability; Cantor set; Hausdorff dimension.

Prerequisite: MAT224H1/MATB24H3/MAT224H5/ MAT247H1/ MAT247H5, MAT235Y1/MAT235Y5/(MATB41H3, MATB42H3)/ MAT237Y1/(MATB41H3, MATB42H3, MATB43H3)/MAT237Y5, MAT246H1; NOTE: These Prerequisites will be waived for students who have MAT257Y1

Exclusion: MAT357H1 & MAT378H5

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT335H1 - Chaos, Fractals and Dynamics**Hours:** 36L

An elementary introduction to a modern and fast-developing area of mathematics. One-dimensional dynamics: iterations of quadratic polynomials. Dynamics of linear mappings, attractors. Bifurcation, Henon map, Mandelbrot and Julia sets. History and applications.

Prerequisite: MAT137Y1/(MATA30H3, MATA31H3, MATA37H3)/MAT137Y5/ MAT157Y1/MAT157Y5/ MAT235Y1/ MAT235Y5/(MATB41H3, MATB42H3)/ MAT237Y1/(MATB41H3, MATB42H3, MATB43H3)/MAT237Y5, MAT223H1/ MATA23H3/MAT223H5/ MAT240H1/MAT240H5

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT344H1 - Introduction to Combinatorics**Hours:** 36L

Basic counting principles, generating functions, permutations with restrictions. Fundamentals of graph theory with algorithms; applications (including network flows). Combinatorial structures including block designs and finite geometries.

Prerequisite: MAT223H1/MATA23H3/MAT223H5/ MAT240H1/ MAT240H5

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT336H1 - Elements of Analysis**Hours:** 36L/12T

This course provides the foundations of analysis and rigorous calculus for students who will take subsequent courses where these mathematical concepts are central of applications, but who have only taken courses with limited proofs. Topics include topology of \mathbb{R}^n , implicit and inverse function theorems and rigorous integration theory.

Prerequisite: MAT223H1/MATA23H3/MAT223H5/ MAT240H1/ MAT240H5, MAT235Y1/MAT235Y5/(MATB41H3, MATB42H3)/ MAT237Y1/(MATB41H3, MATB42H3, MATB43H3)/MAT237Y5; (for FASE students, MAT185H, MAT195H/ESC195H)

Exclusion: MAT257Y1, MAT337H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

APM346H1 - Partial Differential Equations**Hours:** 36L

Sturm-Liouville problems, Green's functions, special functions (Bessel, Legendre), partial differential equations of second order, separation of variables, integral equations, Fourier transform, stationary phase method.

Prerequisite: MAT235Y1/MAT235Y5/(MATB41H3, MATB42H3)/ MAT237Y1/(MATB41H3, MATB42H3, MATB43H3)/MAT237Y5/ MAT257Y1, MAT244H1/MAT244H5/ MAT267H1

Exclusion: MAT351Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT347Y1 - Groups, Rings and Fields**Hours:** 72L/24T

Groups, subgroups, quotient groups, Sylow theorems, Jordan-Hölder theorem, finitely generated abelian groups, solvable groups. Rings, ideals, Chinese remainder theorem; Euclidean domains and principal ideal domains: unique factorization. Noetherian rings, Hilbert basis theorem. Finitely generated modules. Field extensions, algebraic closure, straight-edge and compass constructions. Galois theory, including insolvability of the quintic.

Prerequisite: MAT257Y1/85% in MAT247H1/MAT247H5)**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**MAT351Y1 - Partial Differential Equations****Hours:** 72L

This is a first course in Partial Differential Equations, intended for Mathematics students with interests in analysis, mathematical physics, geometry, and optimization. The examples to be discussed include first-order equations, harmonic functions, the diffusion equation, the wave equation, Schrodinger's equation, and eigenvalue problems. In addition to the classical representation formulas for the solutions of these equations, there are techniques that apply more broadly: the notion of well-posedness, the method of characteristics, energy methods, maximum and comparison principles, fundamental solutions, Green's functions, Duhamel's principle, Fourier series, the min-max characterization of eigenvalues, Bessel functions, spherical harmonics, and distributions. Nonlinear phenomena such as shock waves and solitary waves are also introduced.

Prerequisite: MAT257Y1/85% in MAT237Y1, MAT267H1**Exclusion:** APM351Y1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**APM348H1 - Mathematical Modelling****Previous Course Number:** MAT482**Hours:** 36L/22P

An overview of mathematical modelling. A variety of approaches for representing physical situations mathematically followed by analytical techniques and numerical simulations to gain insight. Questions from biology, economics, engineering, medicine, physics, physiology, and the social sciences formulated as problems in optimization, differential equations, and probability. Precise content varies with instructor.

Prerequisite: MAT244H1/ MAT267H1, MAT224H1/ MAT247H1, STA237H1/ STA247H1/ STA257H1/ MAT377H1**Exclusion:** MAT482H1 (Topics in Mathematics: Topics in Mathematical Modelling), offered in Winter 2019**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**MAT354H1 - Complex Analysis I****Hours:** 36L

Complex numbers, the complex plane and Riemann sphere, Möbius transformations, elementary functions and their mapping properties, conformal mapping, holomorphic functions, Cauchy's theorem and integral formula. Taylor and Laurent series, maximum modulus principle, Schwarz' lemma, residue theorem and residue calculus.

Prerequisite: MAT257Y1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**MAT357H1 - Foundations of Real Analysis****Hours:** 36L

Function spaces; Arzela-Ascoli theorem, Weierstrass approximation theorem, Fourier series. Introduction to Banach and Hilbert spaces; contraction mapping principle, fundamental existence and uniqueness theorem for ordinary differential equations. Lebesgue integral; convergence theorems, comparison with Riemann integral, L^p spaces. Applications to probability.

Prerequisite: MAT257Y1/ (MAT327H1 and permission of instructor)**Exclusion:** MAT438H5**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)

MAT363H1 - Geometry of Curves and Surfaces

Hours: 36L

Curves and surfaces in 3-spaces. Frenet formulas. Curvature and geodesics. Gauss map. Minimal surfaces. Gauss-Bonnet theorem for surfaces. Surfaces of constant curvature.

Prerequisite: MAT224H1/MATB24H3/MAT224H5/ MAT247H1/ MAT247H5, MAT237Y1/(MATB41H3, MATB42H3, MATB43H3)/MAT237Y5/ MAT257Y1 (MAT257Y1 can be taken concurrently). For FASE students, MAT185H, MAT194H, MAT195H, AER210H.

Exclusion: MAT367H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT382H1 - Topics in Mathematics

Hours: 36L

A course in mathematics on a topic outside the current undergraduate offerings. For information on the specific topic to be studied and possible additional prerequisites, go to <http://www.math.toronto.edu/cms/current-students-ug/>

Prerequisite: 2.5 FCE in 100-level or 200-level APM or MAT courses. Possible additional topic-specific prerequisites.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT390H1 - History of Mathematics up to 1700

Hours: 36L

A survey of ancient, medieval, and early modern mathematics with emphasis on historical issues. (Offered in alternate years)

Prerequisite: At least 1.0 FCE in APM/MAT at the 200 level.

Exclusion: HPS309H1, HPS310Y1, HPS390H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT391H1 - History of Mathematics after 1700

Hours: 24L/12T

A survey of the development of mathematics from 1700 to the present with emphasis on technical development. (Offered in alternate years)

Prerequisite: At least 1.0 FCE in APM/MAT at the 200 level.

Exclusion: HPS309H1, HPS310H1, HPS391H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT377H1 - Mathematical Probability

Hours: 36L/12T

This course introduces students to various topics in mathematical probability theory. Topics include basic concepts (such as probability, random variables, expectations, conditional probability) from a mathematical point of view, examples of distributions and stochastic processes and their properties, convergence results (such as the law of large numbers, central limit theorem, random series, etc.), various inequalities, and examples of applications of probabilistic ideas beyond statistics (for example, in geometry and computer science).

Prerequisite: MAT247H1/MAT247H5, MAT257Y1

Exclusion: STA347H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT395H1 - Independent Reading in Mathematics

Hours: TBA

Independent reading under the direction of a faculty member. Topic must be outside current undergraduate offerings. Similar workload to a 36L course. Not eligible for CR/NCR option.

Prerequisite: Minimum GPA of 3.5 in APM and MAT courses. Permission of the Associate Chair for Undergraduate Studies and of the prospective supervisor
Distribution Requirements: Science
Breadth Requirements: The Physical and Mathematical Universes (5)

MAT397Y1 - Research Project in Mathematics

Hours: TBA

Independent research under the direction of a faculty member. Workload similar to a 72L course. Not eligible for CR/NCR option.

Prerequisite: Minimum GPA of 3.5 in APM and MAT courses. Permission of the Associate Chair for Undergraduate Studies and of the prospective supervisor.
Distribution Requirements: Science
Breadth Requirements: The Physical and Mathematical Universes (5)

APM396H1 - Independent Reading in Applied Mathematics

Hours: TBA

Independent study under the direction of a faculty member. Topic must be outside undergraduate offerings. Similar workload to a 36L course. Not eligible for CR/NCR option.

Prerequisite: Minimum GPA 3.5 for APM and MAT courses. Permission of the Associate Chair for Undergraduate Studies and of the prospective supervisor
Distribution Requirements: Science
Breadth Requirements: The Physical and Mathematical Universes (5)

MAT398H0 - Research Excursions

Hours: TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Science

MAT398Y0 - Research Excursions

Hours: TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Science

MAT396H1 - Independent Reading in Mathematics

Hours: TBA

Independent study under the direction of a faculty member. Topic must be outside undergraduate offerings. Similar workload to a 36L course. Not eligible for CR/NCR option.

Prerequisite: Minimum GPA of 3.5 in APM and MAT courses. Permission of the Associate Chair for Undergraduate Studies and of the prospective supervisor
Distribution Requirements: Science
Breadth Requirements: The Physical and Mathematical Universes (5)

MAT399Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

MAT401H1 - Polynomial Equations and Fields

Hours: 36L

Commutative rings; quotient rings. Construction of the rationals. Polynomial algebra. Fields and Galois theory: Field extensions, adjunction of roots of a polynomial. Constructibility, trisection of angles, construction of regular polygons. Galois groups of polynomials, in particular cubics, quartics. Insolvability of quintics by radicals.

Prerequisite: MAT301H1

Exclusion: MAT347Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT415H1 - Algebraic Number Theory

Hours: 36L

A selection from the following: finite fields; global and local fields; valuation theory; ideals and divisors; differentials and discriminants; ramification and inertia; class numbers and units; cyclotomic fields; diophantine equations.

Prerequisite: MAT347Y1 or permission of instructor

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT417H1 - Analytic Number Theory

Hours: 36L

A selection from the following: distribution of primes, especially in arithmetic progressions and short intervals; exponential sums; Hardy-Littlewood and dispersion methods; character sums and L-functions; the Riemann zeta-function; sieve methods, large and small; diophantine approximation, modular forms.

Prerequisite: MAT334H1/ MAT354H1/permission of instructor

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

APM421H1 - Mathematical Foundations of Quantum Mechanics

Hours: 36L

Key concepts and mathematical structure of Quantum Mechanics, with applications to topics of current interest such as quantum information theory. The core part of the course covers the following topics: Schroedinger equation, quantum observables, spectrum and evolution, motion in electro-magnetic field, angular momentum and O(3) and SU(2) groups, spin and statistics, semi-classical asymptotics, perturbation theory. More advanced topics may include: adiabatic theory and geometrical phases, Hartree-Fock theory, Bose-Einstein condensation, the second quantization, density matrix and quantum statistics, open systems and Lindblad evolution, quantum entropy, quantum channels, quantum Shannon theorems.

Prerequisite: (MAT224H1, MAT337H1)/ MAT357H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT402H1 - Classical Geometries

Hours: 36L

Euclidean and non-euclidean plane and space geometries. Real and complex projective space. Models of the hyperbolic plane. Connections with the geometry of surfaces.

Prerequisite: MAT301H1/ MAT347Y1, MAT235Y1/ MAT237Y1/ MAT257Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT409H1 - Set Theory

Hours: 36L

Set theory and its relations with other branches of mathematics. ZFC axioms. Ordinal and cardinal numbers. Reflection principle. Constructible sets and the continuum hypothesis. Introduction to independence proofs. Topics from large cardinals, infinitary combinatorics and descriptive set theory.

Prerequisite: MAT357H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT425H1 - Differential Topology

Hours: 36L

Smooth manifolds, Sard's theorem and transversality. Morse theory. Immersion and embedding theorems. Intersection theory. Borsuk-Ulam theorem. Vector fields and Euler characteristic. Hopf degree theorem. Additional topics may vary.

Prerequisite: MAT257Y1, MAT327H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT437H1 - K-Theory and C* Algebras

Hours: 36L

The theory of operator algebras was begun by John von Neumann eighty years ago. In one of the most important innovations of this theory, von Neumann and Murray introduced a notion of equivalence of projections in a self-adjoint algebra (*-algebra) of Hilbert space operators that was compatible with addition of orthogonal projections (also in matrix algebras over the algebra), and so gave rise to an abelian semigroup, now referred to as the Murray-von Neumann semigroup.

Later, Grothendieck in geometry, Atiyah and Hirzebruch in topology, and Serre in the setting of arbitrary rings (pertinent for instance for number theory), considered similar constructions. The enveloping group of the semigroup considered in each of these settings is now referred to as the K-group (Grothendieck's terminology), or as the Grothendieck group.

Among the many indications of the depth of this construction was the discovery of Atiyah and Hirzebruch that Bott periodicity could be expressed in a simple way using the K-group. Also, Atiyah and Singer famously showed that K-theory was important in connection with the Fredholm index. Partly because of these developments, K-theory very soon became important again in the theory of operator algebras. (And in turn, operator algebras became increasingly important in other branches of mathematics.)

The purpose of this course is to give a general, elementary, introduction to the ideas of K-theory in the operator algebra context. (Very briefly, K-theory generalizes the notion of dimension of a vector space.)

The course will begin with a description of the method (K-theoretical in spirit) used by Murray and von Neumann to give a rough initial classification of von Neumann algebras (into types I, II, and III). It will centre around the relatively recent use of K-theory to study Bratteli's approximately finite-dimensional C*-algebras--both to classify them (a result that can be formulated and proved purely algebraically), and to prove that the class of these C*-algebras--what Bratteli called AF algebras--is closed under passing to extensions (a result that uses the Bott periodicity feature of K-theory).

Students will be encouraged to prepare oral or written reports on various subjects related to the course, including basic theory and applications.

Prerequisite: 5.0 FCE from MAT, including MAT224H1/ MAT247H1 and MAT237Y1/ MAT257Y1.

Recommended Preparation: Students are encouraged to execute basic research that answers the question, what is an abelian group?

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

APM426H1 - General Relativity

Hours: 36L

Einstein's theory of gravity. Special relativity and the geometry of Lorentz manifolds. Gravity as a manifestation of spacetime curvature. Einstein's equations. Cosmological implications: big bang and inflationary universe. Schwarzschild stars: bending of light and perihelion precession of Mercury. Topics from black hole dynamics and gravitational waves. The Penrose singularity theorem.

Prerequisite: MAT363H1/ MAT367H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT436H1 - Introduction to Linear Operators

Hours: 36L

The course will survey the branch of mathematics developed (in its abstract form) primarily in the twentieth century and referred to variously as functional analysis, linear operators in Hilbert space, and operator algebras, among other names (for instance, more recently, to reflect the rapidly increasing scope of the subject, the phrase non-commutative geometry has been introduced). The intention will be to discuss a number of the topics in Pedersen's textbook Analysis Now. Students will be encouraged to lecture on some of the material, and also to work through some of the exercises in the textbook (or in the suggested reference books).

Prerequisite: 5.0 FCE from MAT, including MAT224H1/ MAT247H1 and MAT237Y1/ MAT257Y1.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

APM441H1 - Asymptotic and Perturbation Methods

Hours: 36L

Asymptotic series. Asymptotic methods for integrals: stationary phase and steepest descent. Regular perturbations for algebraic and differential equations. Singular perturbation methods for ordinary differential equations: W.K.B., strained co-ordinates, matched asymptotics, multiple scales. (Emphasizes techniques; problems drawn from physics and engineering)

Prerequisite: APM346H1/ MAT351Y1, MAT334H1/ MAT354H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT448H1 - Introduction to Commutative Algebra and Algebraic Geometry

Hours: 36L

Basic notions of algebraic geometry, with emphasis on commutative algebra or geometry according to the interests of the instructor. Algebraic topics: localization, integral dependence and Hilbert's Nullstellensatz, valuation theory, power series rings and completion, dimension theory. Geometric topics: affine and projective varieties, dimension and intersection theory, curves and surfaces, varieties over the complex numbers. This course will be offered in alternating years.

Prerequisite: MAT347Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT445H1 - Representation Theory

Hours: 36L

A selection of topics from: Representation theory of finite groups, topological groups and compact groups. Group algebras. Character theory and orthogonality relations. Weyl's character formula for compact semisimple Lie groups. Induced representations. Structure theory and representations of semisimple Lie algebras. Determination of the complex Lie algebras.

Prerequisite: MAT347Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT449H1 - Algebraic Curves

Hours: 36L

Projective geometry. Curves and Riemann surfaces. Algebraic methods. Intersection of curves; linear systems; Bezout's theorem. Cubics and elliptic curves. Riemann-Roch theorem. Newton polygon and Puiseux expansion; resolution of singularities. This course will be offered in alternating years.

Prerequisite: MAT347Y1, MAT354H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

APM446H1 - Applied Nonlinear Equations

Hours: 36L

Partial differential equations appearing in physics, material sciences, biology, geometry, and engineering. Nonlinear evolution equations. Existence and long-time behaviour of solutions. Existence of static, traveling wave, self-similar, topological and localized solutions. Stability. Formation of singularities and pattern formation. Fixed point theorems, spectral analysis, bifurcation theory. Equations considered in this course may include: Allen-Cahn equation (material science), Ginzburg-Landau equation (condensed matter physics), Cahn-Hilliard (material science, biology), nonlinear Schroedinger equation (quantum and plasma physics, water waves, etc). mean curvature flow (geometry, material sciences), Fisher-Kolmogorov-Petrovskii-Piskunov (combustion theory, biology), Keller-Segel equations (biology), and Chern-Simmons equations (particle and condensed matter physics).

Prerequisite: APM346H1/ MAT351Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT454H1 - Complex Analysis II

Hours: 36L

Harmonic functions, Harnack's principle, Poisson's integral formula and Dirichlet's problem. Infinite products and the gamma function. Normal families and the Riemann mapping theorem. Analytic continuation, monodromy theorem and elementary Riemann surfaces. Elliptic functions, the modular function and the little Picard theorem.

Prerequisite: MAT354H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT457H1 - Advanced Real Analysis I**Hours:** 36L

Lebesgue measure and integration; convergence theorems, Fubini's theorem, Lebesgue differentiation theorem, abstract measures, Caratheodory theorem, Radon-Nikodym theorem. Hilbert spaces, orthonormal bases, Riesz representation theorem, compact operators, L^p spaces, Hölder and Minkowski inequalities.

Prerequisite: MAT357H1**Exclusion:** MAT457Y1**Distribution Requirements:** Science

Breadth Requirements: The Physical and Mathematical Universes (5)

APM462H1 - Nonlinear Optimization**Hours:** 36L

An introduction to first and second order conditions for finite and infinite dimensional optimization problems with mention of available software. Topics include Lagrange multipliers, Kuhn-Tucker conditions, convexity and calculus variations. Basic numerical search methods and software packages which implement them will be discussed.

Prerequisite: MAT223H1, MAT224H1, MAT235Y1,**Recommended Preparation:** MAT336H1/ MAT337H1**Distribution Requirements:** Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT458H1 - Advanced Real Analysis II**Hours:** 36L

Fourier series and transform, convergence results, Fourier inversion theorem, L^2 theory, estimates, convolutions. Banach spaces, duals, weak topology, weak compactness, Hahn-Banach theorem, open mapping theorem, uniform boundedness theorem.

Prerequisite: MAT457H1**Exclusion:** MAT457Y1**Distribution Requirements:** Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT464H1 - Riemannian Geometry**Hours:** 36L

Riemannian metrics. Levi-Civita connection. Geodesics. Exponential map. Second fundamental form. Complete manifolds and Hopf-Rinow theorem. Curvature tensors. Ricci curvature and scalar curvature. Spaces of constant curvature.

Prerequisite: MAT367H1**Distribution Requirements:** Science

Breadth Requirements: The Physical and Mathematical Universes (5)

APM461H1 - Combinatorial Methods**Hours:** 36L

A selection of topics from such areas as graph theory, combinatorial algorithms, enumeration, construction of combinatorial identities.

Prerequisite: MAT224H1/ MAT247H1, MAT137Y1/ MAT157Y1, MAT301H1/ MAT347Y1**Recommended Preparation:** MAT344H1**Distribution Requirements:** Science

Breadth Requirements: The Physical and Mathematical Universes (5)

APM466H1 - Mathematical Theory of Finance**Hours:** 36L

Introduction to the basic mathematical techniques in pricing theory and risk management: Stochastic calculus, single-period finance, financial derivatives (tree-approximation and Black-Scholes model for equity derivatives, American derivatives, numerical methods, lattice models for interest-rate derivatives), value at risk, credit risk, portfolio theory.

Prerequisite: APM346H1, STA347H1**Corequisite:** STA457H1**Distribution Requirements:** Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT475H1 - Problem Solving Seminar**Hours:** TBA

This course addresses the question: How do you attack a problem the likes of which you have never seen before? Students will apply Polya's principles of mathematical problem solving, draw upon their previous mathematical knowledge, and explore the creative side of mathematics in solving a variety of interesting problems and explaining those solutions to others.

Prerequisite: MAT224H1/ MAT247H1, MAT235Y1/ MAT237Y1/ MAT257Y1, and at least 1.0 FCE at the 300+ level in APM/MAT

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT482H1 - Topics in Mathematics**Hours:** 36L

A course in mathematics on a topic outside the current undergraduate offerings. For information on the specific topic to be studied and possible additional prerequisites, go to <http://www.math.toronto.edu/cms/current-students-ug/>

Prerequisite: 6.0 FCE in 100-level, 200-level, and 300-level APM and MAT courses. Possible additional topic-specific prerequisites.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT483H1 - Topics in Mathematics**Hours:** 36L

A course in mathematics on a topic outside the current undergraduate offerings. For information on the specific topic to be studied and possible additional prerequisites, go to <http://www.math.toronto.edu/cms/current-students-ug/>

Prerequisite: 6.0 FCE in 100-level, 200-level, and 300-level APM and MAT courses. Possible additional topic-specific prerequisites.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT477H1 - Seminar in Mathematics**Hours:** TBA

Seminar in an advanced topic. Content will generally vary from semester to semester. Student presentations are required.

Prerequisite: MAT347Y1, MAT354H1, MAT357H1; or permission of instructor.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT478H1 - Seminar in Mathematics**Hours:** TBA

Seminar in an advanced topic. Content will generally vary from semester to semester. Student presentations are required.

Prerequisite: MAT347Y1, MAT354H1, MAT357H1; or permission of instructor.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

MAT495H1 - Independent Reading in Mathematics**Hours:** TBA

Independent study under the direction of a faculty member. Topic must be outside undergraduate offerings. Workload equivalent to a 36L course. Not eligible for CR/NCR option.

Prerequisite: Minimum GPA of 3.5 in APM and MAT courses.

Permission of the Associate Chair for Undergraduate Studies and of the prospective supervisor

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

APM496H1 - Independent Readings in Applied Mathematics

Hours: TBA

Independent study under the direction of a faculty member. Topic must be outside current undergraduate offerings. Similar workload to a course that has 36 lecture hours. Not eligible for CR/NCR option.

Prerequisite: minimum GPA 3.5 for APM and MAT courses.
Permission of the Associate Chair for Undergraduate Studies and of the prospective supervisor
Distribution Requirements: Science
Breadth Requirements: The Physical and Mathematical Universes (5)

MAT496H1 - Independent Reading in Mathematics

Hours: TBA

Independent study under the direction of a faculty member. Topic must be outside undergraduate offerings. Workload equivalent to a 36L course. Not eligible for CR/NCR option.

Prerequisite: Minimum GPA of 3.5 in APM and MAT courses.
Permission of the Associate Chair for Undergraduate Studies and of the prospective supervisor
Distribution Requirements: Science
Breadth Requirements: The Physical and Mathematical Universes (5)

MAT497Y1 - Research Project in Mathematics

Hours: TBA

Independent research under the direction of a faculty member. Not eligible for CR/NCR option. Similar workload to a 72L course.

Prerequisite: Minimum GPA of 3.5 in APM and MAT courses.
Permission of the Associate Chair for Undergraduate Studies and of the prospective supervisor
Distribution Requirements: Science
Breadth Requirements: The Physical and Mathematical Universes (5)

Molecular Genetics and Microbiology

Faculty List

Chair of the Department of Molecular Genetics

L.E. Cowen, Ph D

Vice Chair

P.J. Roy, Ph D

Associate Chair, Infrastructure, Communications, & Alumni Relations

B.E. Funnell, Ph D

Associate Chair & Undergraduate Coordinator

R.A. Collins, Ph D

Associate Chair & Associate Undergraduate Coordinator

W.W. Navarre, Ph D

Associate Chair & Graduate Coordinator

J.M. Claycomb, Ph D

Associate Chair & Associate Graduate Coordinator

I. Scott, Ph D

Professors

B. J. Andrews, Ph D

I. Andrusis, Ph D

P. Awadalla, Ph D

G. Bader, Ph D

B. J. Blencowe, Ph D

C. Boone, Ph D

G. Boulliane, Ph D

J. Brill, Ph D

J. Brumell, Ph D

H. Chan, Ph D

B. Ciruna, Ph D

A. W. Cochrane, Ph D

R. Cohn, Ph D

R. A. Collins, Ph D

S. Cordes, Ph D

L. E. Cowen, Ph D

J. Culotti, Ph D

A. Davidson, Ph D

J. Dennis, Ph D

W. B. Derry, Ph D

J. Dick, Ph D

P. Dirks, Ph D

D. Durocher, Ph D

A. Edwards, Ph D

S. Egan, Ph D

J. Ellis, Ph D

O. Ernst, Ph D

L. D. Frappier, Ph D

A. G. Fraser, Ph D

B. E. Funnell, Ph D

B. Gallie, Ph D

A. C. Gingras, Ph D

S. D. Gray-Owen, Ph D

J. F. Greenblatt, Ph D

T. Hughes, Ph D

C. C. Hui, Ph D

M. Justice, Ph D

D. Kaplan, Ph D

L. Kay, Ph D
 H. M. Krause, Ph D
 H. Lipshitz, Ph D
 J. Liu, Ph D
 F. Miller, Ph D
 J. Moffat, Ph D
 M. Moran, Ph D
 Q. Morris, Ph D
 L. Osborne, Ph D
 D. J. Parkinson, Ph D
 C. E. Pearson, Ph D
 L. Pelletier, Ph D
 J. Rini, Ph D
 J. M. Rommens, Ph D
 J. Rossant, Ph D
 F. P. Roth, Ph D
 P. J. Roy, Ph D
 S. Scherer, Ph D
 F. Sicheri, Ph D
 S. Sidhu, Ph D
 A. M. Spence, Ph D
 I. Stagljar, Ph D
 L. Stein, Ph D
 D. van der Kooy, Ph D
 J. Wrana, Ph D
 Z. Zhang, Ph D
 M. Zhen, Ph D

Associate Professors

M. Brown, M Sc, Ph D
 A. Caudy, Ph D
 J. M. Claycomb, Ph D
 J. Dowling, Ph D
 A. W. Ensminger, Ph D
 S. Hopyan, Ph D
 S. Joshi, D Sc, Ph D
 P. Kim, Ph D
 B. D. Lavoie, Ph D
 M. Meneghini, Ph D
 W. W. Navarre, Ph D
 B. Pearson, Ph D
 M. Ramalho-Santos, Ph D
 I. Scott, Ph D
 C. Smibert, Ph D
 B. Steipe, Ph D
 A. Wilde, Ph D
 M. Wilson, Ph D

Assistant Professors

E. Campos, Ph D
 J. Carroll, Ph D
 P. Delgado Olguin, Ph D
 J. Hill, Ph D
 X. Huang, Ph D
 T. Hurd, Ph D
 R. Kafri, Ph D
 T. Kim, Ph D
 J. Lefebvre, Ph D
 Y Li, Ph D
 P. Maass, Ph D
 J. Muffat, Ph D
 K. Okamoto, Ph D
 J. Park, Ph D
 S. Protze, Ph D
 A. Reinke, Ph D
 H. Rost, Ph D
 D. Schramek, Ph D
 Sondheimer, Ph D
 M Steiner, Ph D
 E Styles, Ph D
 M. Taipale, Ph D
 R Yuen, Ph D

Introduction

Molecular biology has revolutionized the fields of genetics and microbiology. The Department of Molecular Genetics offers Specialist and Major programs in Molecular Genetics and Microbiology, which emphasize the molecular aspects of both disciplines. Genetics, the science of heredity, and microbiology, the study of microorganisms (microbes), have long served as meeting grounds for a variety of biological disciplines. Developments in genetics and microbiology have contributed greatly to our basic understanding of the fundamental processes of life as well as to the treatment of genetic and infectious diseases.

Of particular significance in molecular genetics has been the development of techniques that permit the isolation, through cloning, of the genes responsible for specific traits, and the detailed analysis of their regulation, interactions, and products. More recently the advent of genome sequencing has fueled efforts to understand in full the information content of the genome and to assign function to every gene, using methods that allow systematic, genome-scale analyses of gene expression, the phenotypic consequences of gene disruption, and the interactions between genes and gene products. Molecular techniques have increased our ability to diagnose and understand viral and bacterial disease, and the complex microbe/host interactions that are involved. The impact of these and other technological advances extend to such diverse fields as plant and animal developmental biology, virology, immunology, cancer biology, and biotechnology. Studies at a molecular level are essential to understanding the consequences to life when fundamental processes are altered by mutation, by infection, or by the environment.

The Molecular Genetics and Microbiology Specialist program is a research-intensive program and is designed to provide strong in-depth training in science, including critical analyses of scientific concepts and literature, advanced laboratory experience, and detailed understanding and application of molecular biology. Specialists enter the program in 2nd year and then choose one of two Streams, called Genetics and Microbiology, by the start of the third year. Each Stream provides focused training, but there is considerable overlap between the streams, reflective of both the cross-disciplinary requirements of these two rapidly evolving disciplines and the impact of each on areas spanning modern biomedical science.

The Molecular Genetics and Microbiology Major program offers students fundamental training in molecular genetics and microbiology. Students tailor their own program and may focus on a microbiology major, a genetic major, or a combination; they choose a path to suit their specific interests. Students take several advanced courses in these disciplines, but the Major allows them to choose the breadth of their training by combining the MGY Major with another Major of interest.

The Department of Molecular Genetics is also a cosponsor of the Major program in Genome Biology, with the Departments of Cell and Systems Biology (CSB), and Ecology and Evolutionary Biology (EEB). See the Biology program listings for details of the Genome Biology Major.

Career opportunities for graduates include employment in research institutes, universities and other educational institutions, and industry. The programs provide excellent preparation for post-graduate research and professional programs.

Undergraduate Coordinator: Dr. Rick Collins
(email: mgy.info@utoronto.ca)

Undergraduate Office/General Inquiries: Medical Sciences Building Rm 4396 (416-978-8359; email: studentservices.mogen@utoronto.ca)

More information is available on our website: <http://www.moleculargenetics.utoronto.ca/>

Molecular Genetics and Microbiology Programs

Molecular Genetics and Microbiology Specialist (Science Program) - ASSPE1387

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's marks in the 3.0 required first-year courses:

BIO120H1, BIO130H1, (CHM135H1, CHM136H1)/CHM151Y1, and (MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1 with an average of at least 80% on these 3.0 full-course equivalents (FCEs) and a final mark of at least 75% in each course.

While it is difficult to predict what will constitute "competitive" course marks in a given year, based on previous years the estimate is: course marks = mid 80s; average = mid 80s.

Achieving these estimated marks does not guarantee admission to the program in any given year.

Note: Students must apply to this program on the Arts & Science Faculty Registrar's Office website (see the Arts & Science Program Enrolment web site for application procedures).

At later times, contact the Undergraduate Coordinator.

Completion Requirements:

(14 full courses or their equivalent)

First Year:

BIO120H1, BIO130H1; (CHM135H1, CHM136H1)/CHM151Y1; (MAT135H1, MAT136H1)/MAT137Y1

First or Second Year:

(PHY151H1, PHY152H1)/(PHY151H1, PHY152H1)

Second Year:

BCH242Y1; BIO230H1/BIO255H1, HMB265H1; MGY280H1, CHM247H1, STA220H1

Third Year:

Genetics Stream:

1. MGY340H1, MGY350H1, MGY311Y1, MGY314H1, MGY315H1
2. One (0.5 full-course equivalent) from BCH340H1, BCH377H1; MGY360H1, MGY377H1, MGY378H1

Microbiology Stream

1. IMM341H1, IMM351H1; MGY311Y1, MGY377H1, MGY378H1,
MGY379Y1(MGY380H1, MGY381H1)

Fourth Year:**Genetics Stream:**

1. MGY420H1

plus 2.5 credits from Genetics Lists 1 and 2, distributed as follows:

2. At least 1.5 full-course equivalent must be taken from list 1:

MGY425H1, MGY428H1, MGY460H1, MGY470H1

3. Up to 1.0 full-course equivalent may be taken from list 2:

MGY434H1, MGY440H1, MGY480Y1, BCH428H1, BCH440H1,
BCH441H1/ CSB472H1, BCH447H1, BCH448H1, EEB460H1

Microbiology Stream:

2.5 credits from Microbiology Lists 1 and 2, distributed as follows:

1. At least 1.5 full-course equivalent must be taken from list 1:

BCH449H1; IMM428H1, IMM430H1, IMM435H1; LMP402H1,
LMP403H1, LMP436H1; MGY428H1, MGY434H1, MGY440H1,
MIJ485H1; NFS485H1

2. Up to 1.0 full-course equivalent may be taken from list 2:
MGY360H1, MGY420H1, MGY425H1, MGY470H1, MGY480Y1,
BCH350H1, BCH428H1, BCH441H1/ CSB472H1, BCH445H1,

Molecular Genetics And Microbiology Specialist: Genetics Stream - ASSPE1388

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's marks in the 3.0 required first-year courses:

BIO120H1, BIO130H1, (CHM135H1, CHM136H1)/ CHM151Y1, and
(MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1 with an average
of at least 80% on these 3.0 full-course equivalents (FCEs) and a
final mark of at least 75% in each course.

While it is difficult to predict what will constitute "competitive" course marks in a given year, based on previous years the estimate is:
course marks = mid 80s; average = mid 80s.

Achieving these estimated marks does not guarantee admission to the program in any given year.

Note: Students must apply to this program on the Arts & Science Faculty Registrar's Office website (see the Arts & Science Program Enrolment web site for application procedures). At later times, contact the Undergraduate Coordinator.

Completion Requirements:

(14 full courses or their equivalent)

First Year:

BIO120H1, BIO130H1; (CHM135H1, CHM136H1)/ CHM151Y1;
(MAT135H1, MAT136H1)/ MAT137Y1

First or Second Year:

(PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Second Year:

BCH242Y1; BIO230H1/ BIO255H1, HMB265H1; MGY280H1,
CHM247H1, STA220H1

Third Year (Genetics Stream):

1. MGY340H1, MGY350H1, MGY311Y1, MGY314H1, MGY315H1
2. One (0.5 full-course equivalent) from BCH340H1, BCH377H1,
MGY360H1, MGY377H1, MGY378H1

Fourth Year (Genetics Stream):

1. MGY420H1,

plus 2.5 credits from Genetics Lists 1 and 2, distributed as follows:

2. At least 1.5 full-course equivalent must be taken from list 1:

MGY425H1, MGY428H1, MGY460H1, MGY470H1

3. Up to 1.0 full-course equivalent may be taken from list 2:

MGY434H1, MGY440H1, MGY480Y1, BCH428H1, BCH440H1,
BCH441H1/ CSB472H1, BCH447H1, BCH448H1, EEB460H1

Molecular Genetics And Microbiology Specialist: Microbiology Stream (Science Program) - ASSPE1389

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's marks in the 3.0 required first-year courses:

BIO120H1, BIO130H1, (CHM135H1, CHM136H1)/ CHM151Y1, and
(MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1 with an average
of at least 80% on these 3.0 full-course equivalents (FCEs) and a
final mark of at least 75% in each course.

While it is difficult to predict what will constitute "competitive" course marks in a given year, based on previous years the estimate is:
course marks = mid 80s; average = mid 80s.

Achieving these estimated marks does not guarantee admission to the program in any given year.

Note: Students must apply to this program on the Arts & Science Faculty Registrar's Office website (see the Arts & Science Program Enrolment web site for application procedures). At later times, contact the Undergraduate Coordinator.

Completion Requirements:

(14 full courses or their equivalent)

First Year: (BIO120H1, BIO130H1), (CHM135H1, CHM136H1)/
CHM151Y1, (MAT135H1, MAT136H1)/ MAT137Y1

First or Second Year: (PHY131H1, PHY132H1)/(PHY151H1,
PHY152H1)

Second Year: BCH242Y1, BIO230H1/ BIO255H1, HMB265H1,
MGY280H1, CHM247H1, STA220H1

Third Year (Microbiology Stream):

1. IMM341H1, IMM351H1, MGY311Y1, MGY377H1, MGY378H1,
MGY379Y1(MGY380H1, MGY381H1)

Fourth Year (Microbiology Stream):

- 2.5 credits from Microbiology Lists 1 and 2, distributed as follows:
1. At least 1.5 full-course equivalent must be taken from list 1:
MGY428H1, MGY434H1, MGY440H1, MIJ485H1, BCH449H1, IMM428H1, IMM430H1, IMM435H1, LMP402H1, LMP403H1, LMP436H1, NFS485H1
 2. Up to 1.0 full-course equivalent may be taken from list 2:
MGY360H1, MGY420H1, MGY425H1, MGY470H1, MGY480Y1, BCH350H1, BCH428H1, BCH441H1/ CSB472H1, BCH445H1

Molecular Genetics and Microbiology Major (Science Program) - ASMAJ1387

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's marks in the 3.0 required first-year courses:

BIO120H1, BIO130H1, (CHM135H1, CHM136H1)/ CHM151Y1, and (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1, with an average of at least 70% on these 3.0 full-course equivalents (FCEs) and a final mark of at least 60% in each course.

While it is difficult to predict what will be competitive course marks and average in a given year, based on previous years, the estimate is: course marks = mid 70s; average = mid 70s.

Achieving these estimated marks does not guarantee admission to the program in any given year.

Note: Students must apply to this program on the Arts & Science Faculty Registrar's Office website (see the Arts & Science Program Enrolment web site for application procedures).

At later times, contact the Undergraduate Coordinator.

Completion Requirements:

(8 full courses or their equivalent)

First Year:

BIO120H1, BIO130H1; (CHM135H1, CHM136H1)/ CHM151Y1; (MAT135H1, MAT136H1)/ MAT137Y1

Second Year:

BCH210H1; BIO230H1/ BIO255H1, BIO260H1/ HMB265H1, MGY200H1

Third and Fourth Years:

BCH311H1/ CSB349H1/ MGY311Y1; 2.5 full-course equivalents from MGY314H1, MGY315H1, MGY340H1, MGY350H1, MGY360H1, MGY377H1, MGY378H1, MGY379Y1/ MGY380H1, MGY381H1, MGY420H1, MGY425H1, MGY428H1, MGY434H1, MGY440H1, MGY460H1, MGY470H1, MIJ485H1, BCH428H1 (at least 0.5 FCE must be a laboratory course and at least 0.5 FCE must be a 400-level course, 0.5 credit additional are given if taking MGY311Y1 in lieu of BCH311H1/ CSB349H1)

Molecular Genetics and Microbiology Courses

MGY200H1 - An Introduction to Molecular Genetics and Microbiology

Hours: 24L

Introduction to the core concepts of genetics and microbiology. Included are also topical biological problems and cutting-edge scientific approaches with some examples from world-class Toronto labs. Historical context is often used to deliver material. Topics include: core concepts in genetics, an introduction to cancer and stem cells; the genetic regulation of aging; core concepts in microbiology; emerging and recurring microbial threats; genetic engineering.

Prerequisite: BIO120H1, BIO230H1/ BIO255H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

MGY250H1 - Introduction to Medical Genetics

Hours: 36L

An introduction to medical genetics including the “omics” revolution, stem cells, cancer genetics, finding disease-causing mutations, genetic counselling and gene therapy. The course material is delivered online and is approximately equivalent to 36 lecture hours. Midterm and final exam are taken on campus or at a pre-approved site off-campus.

Prerequisite: BIO120H1, BIO130H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

MGY277H1 - Introduction to Medical Microbiology

Hours: 36L

An online introductory survey course that explores the agents of infectious disease including bacteria, viruses, and parasites as well as the host immune response. Other topics include the fundamentals of disease diagnosis and epidemiology. This course will use web-based delivery of lectures and tutorials and utilize a range of communication tools equivalent to approximately three lectures per week. The final exam will require student attendance on the St. George campus.

Prerequisite: BIO120H1, BIO130H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

MGY280H1 - Second Year Specialist Research

Hours: TBA

This course gives Specialists enrolled in the Molecular Genetics and Microbiology an opportunity to conduct an original research project in the second semester of their second year in one of the active research laboratories in the Department. Laboratory assignments are chosen during the first semester of second year by agreement with a Departmental faculty member and the Undergraduate Coordinator. Attendance at a weekly meeting is mandatory and students will present a report at the end of term. Details can be found on the departmental website. Not eligible for CR/NCR.

Prerequisite: Admission to the Specialist in Molecular Genetics and Microbiology Program. Student cannot have completed more than 8.5 FCE

Exclusion: MGY299Y1 and other ROP299Y1 courses

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

MGY314H1 - Principles of Genetic Analysis I

Hours: 12T/36P

Laboratory experiments in genetics, with the focus on microbial and prokaryotic genetics. Topics and experiments include mutagenesis and genetic selection, linkage and recombination, genetic crosses, gene regulation, suppressor analyses, and genetic mapping. (Lab fee: \$25)

Prerequisite: BIO230H1/ BIO255H1, BIO260H1/ HMB265H1

Exclusion: MGY312H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

MGY315H1 - Principles of Genetic Analysis II

Hours: 12T/36P

Laboratory experiments in eukaryotic genetics, using two of the most powerful eukaryotic model systems, the yeast *Saccharomyces cerevisiae* and fruit fly *Drosophila melanogaster*. The course follows MGY314H1; topics include analysis of genetic networks and pathways, meiotic segregation analysis, recombination mapping, genetic crosses, and phenotypic analyses. (Lab fee: \$25)

Prerequisite: BIO230H1/ BIO255H1, BIO260H1/ HMB265H1,

MGY314H1/ MGY340H1

Exclusion: MGY312H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

MGY311Y1 - Molecular Biology

Hours: 72L

This course examines the design and interpretation of experiments that have led to our current understanding of the biological roles of DNA, RNA and proteins. Intended for students considering graduate or professional work in molecular biology or a related field or wanting a deeper understanding of these topics.

Prerequisite: BIO120H1, BIO230H1/ BIO255H1, BCH242Y1 (Note: BCH210H1 may be acceptable with permission of instructor)

Exclusion: BCH311H1, CSB349H1, JBC372H5(UTM), PSL350H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

MGY340H1 - Molecular Genetics

Hours: 36L

This course gives students an in-depth understanding of how genetics, the study of mutations and their resulting phenotypes, are used to probe and understand a variety of biological phenomena ranging from metabolism, to development, to cancer.

Prerequisite: BIO120H1, BIO130H1, BIO230H1/ BIO255H1, BIO260H1/ HMB265H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

MGY350H1 - Model Organisms to Disease**Hours:** 36L

The concepts of genetics in the context of human development, disease and evolution. Topics include genetic interactions and complex traits, variation in disease phenotype, signalling and development, stem cells and epigenetic regulation.

Prerequisite: BIO120H1, BIO230H1/ BIO255H1, BIO260H1/ HMB265H1

Corequisite: BCH311H1/ CSB349H1/ MGY311Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

MGY378H1 - Microbiology II: Viruses**Hours:** 36L

Detailed study of viruses in terms of structure, classification, replication and interaction with the host. Basis for advanced study in virology. Requires some familiarity with molecular and cellular biology. A concurrent course in immunology (IMM340H1, IMM350H1) or (IMM341H1, IMM351H1) is recommended.

Prerequisite: BCH210H1/ BCH242Y1; BIO120H1, BIO230H1/ BIO255H1; BIO260H1/ HMB265H1

Corequisite: BCH311H1/ CSB349H1/ MGY311Y1

Exclusion: BIO351Y1, CSB351Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

MGY360H1 - Whole-Genome Sequencing and Analysis Laboratory**Hours:** 36P

The principles and practice of whole-genome sequencing. Each student team will sequence an entire eukaryotic genome and analyze it. Topics will include: modern sequencing technology, yeast husbandry, genomic library construction and quality control, 'next-generation' sequencing, sequence assembly using a reference genome, principles of genome organization, mutation detection and interpretation.

Prerequisite: BIO230H1/ BIO255H1, BIO260H1/ HMB265H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

MGY380H1 - Microbiology Laboratory I: Bacteria

Previous Course Number: MGY379Y1

Hours: 12L/36P

A laboratory course in bacteriology. Students will perform a variety of genetic and biochemical experiments to identify and characterize unknown organisms, and learn how bacteria live together in biofilm and become resistance to antibiotics. Students will also learn important research tools and concepts including CRISPRi, transduction, and conjugation through experiments. Valuable not only for advanced work in microbiology but also in related fields that make use of bacteria and bacteriophages as research tools.

Prerequisite: BIO120H1, BIO230H1/ BIO255H1, HMB265H1/ BIO260H1

Corequisite: MGY377H1

Exclusion: MGY379Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

MGY377H1 - Microbiology I: Bacteria**Hours:** 36L

An in depth study of bacteria including their structure, their biology, their ability to adapt, and their effects on human health. Provides a foundation for advanced studies in bacterial physiology, bacterial genetics, molecular pathogenesis of disease, immunology, and environmental studies.

Prerequisite: BCH210H1/ BCH242Y1, BIO120H1, BIO230H1/ BIO255H1

Exclusion: BIO370Y5 (UTM)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

MGY381H1 - Microbiology Laboratory II: Viruses

Previous Course Number: MGY379Y1

Hours: 12L/36P

Hands-on experiments provide the opportunity to develop skills in working safely with human viruses. Important concepts are learned through analysis of results. Topics include propagation and assay of viruses, examination of viruses by electron microscopy, replication kinetics, host response to infection and viral vectors. Valuable not only in microbiology but in fields using viruses as vectors.

Prerequisite: BIO120H1, BIO230H1/ BIO255H1, HMB265H1/ BIO260H1, MGY380H1

Corequisite: MGY378H1

Exclusion: MGY379Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

MGY399Y1 - Research Opportunity Program**Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

MGY434H1 - Bacterial Signalling and Physiological Regulation**Hours:** 36L

An in-depth look at bacteria, their evolution and genomes, and how they sense their environment and adapt to environmental stimuli. Topics discussed include the human microbiome, modern bacterial genomics and metagenomics and how they affect diagnosis and treatment of disease, bacterial community structures including biofilms and quorum sensing, and the contribution of metabolism to disease and stress resistance.

Prerequisite: BCH210H1/ BCH242Y1, BCH311H1/ CSB349H1/ MGY311Y1, MGY377H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

MGY420H1 - Regulation of Gene Expression**Hours:** 24L

Regulatory mechanisms controlling gene expression in eukaryotes; students will read, discuss, and present the primary research literature in class. Topics include: assembly of the initiation complex; roles of transcription factors, co-activators and cis-acting regulatory elements; promoter escape; mechanisms that control elongation, termination and anti-termination of transcription; chromatin control of transcription.

Prerequisite: BCH311H1/ CSB349H1/ MGY311Y1

Exclusion: BIO477H5 (UTM)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

MGY440H1 - Virus-Host Interactions**Hours:** 36L

Analysis of virus/host interactions at the molecular level with a view to understanding how viruses cause disease. Course material is based on recent research publications. Topics may include: virus entry and intracellular trafficking, activation of host cell signalling pathways, viral and host determinants of tissue tropism within the host and transmission between hosts.

Prerequisite: BCH311H1/ CSB349H1/ MGY311Y1; CSB351Y1/ MGY378H1

Recommended Preparation: IMM340H1/ IMM341H1, IMM350H1/ IMM351H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

MGY460H1 - Genetic Analysis of Development**Hours:** 24L

Basic and advanced principles of genetic analysis applied to the study of the best-understood eukaryotic model organisms including the nematode worm *Caenorhabditis elegans*, the zebrafish, and the laboratory mouse. We emphasize the use of genetic approaches to address problems in cell biology and development, such as the regulation of cell fate and tissue development. Much of the knowledge gained from these experimentally tractable organisms has proven broadly applicable, and the same principles of developmental genetic analysis underlie efforts to understand the development of humans.

Prerequisite: BIO260H1/ HMB265H1, MGY311Y1/ CSB349H1/ BCH311H1

Exclusion: MGY451H1, MGY452H1

Recommended Preparation: MGY340H1, MGY350H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

MGY428H1 - Functional Genomics**Hours:** 24L

A broad-ranging course that covers many aspects of genomics and functional genomics, which is the discipline of defining and attributing function to all of the heritable material of an organism on a genome-wide scale, as applied to invertebrates and vertebrates. The primary and review literature will be the basis of all lectures.

Prerequisite: BCH210H1/ BCH242Y1; BIO260H1/ HMB265H1; MGY311Y1/ CSB349H1/ BCH311H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

MGY470H1 - Human and Molecular Genetics

Hours: 24L

Current aspects of human and molecular genetics including: chromosome structure and function, inheritance of mutations and disease, the human genome and disease gene mapping, cancer genetics, mouse disease models and gene based diagnostics and therapies.

Prerequisite: BCH311H1/ MGY311Y1 (Note: CSB349H1 is acceptable with permission of the instructor)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

MGY480Y1 - Special Research Project

Hours: TBA

An opportunity for specialized individual research in molecular genetics and microbiology by arrangement with the course coordinator. Students are required to perform an original research project and attend relevant research seminars. Not eligible for CR/NCR option.

Prerequisite: (MGY314H1/ MGY315H1/ MGY379Y1/ MGY380H1/ MGY381H1), (MGY311Y1/ BCH311H1/ CSB349H1)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

MIJ485H1 - Vaccines and Immunity

Hours: 36L

Analysis of the strategies used by pathogenic microbes to evade specific and innate immune responses, and the strategies used to combat infectious disease using vaccines, with an emphasis on molecular and immunological aspects. Special topics include: molecular basis of pathogenicity and immune-evasion strategies; vaccination strategies; challenges to vaccine implementation (given jointly by the Departments of Molecular Genetics and Immunology).

Prerequisite: (IMM340H1/ IMM341H1), (IMM350H1/ IMM351H1), MGY377H1, MGY378H1

Exclusion: MBY480H1, MGY485H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

Munk One

Faculty List

Professor

J. Wong, MA, PhD

Associate Professor

R. Levi, BCL, LLB, LLM, SJD

Assistant Professor

T. Kramarz, MA, MSc, PhD

Introduction

Munk One, provided by the Munk School of Global Affairs and Public Policy, provides first-year students with an interdisciplinary program focused on innovation and global problem-solving, investigating the central questions that lie at the heart of teaching and research in the Munk School of Global Affairs, namely issues of global institutions, markets and civil society. Through case studies of some of the most complex challenges worldwide, students in Munk One will examine innovations that have succeeded and failed, when innovation occurs, how innovation can be fostered, and how obstacles to innovation can be overcome. Students, faculty members, and practitioners working together draw on the breadth of interdisciplinary research and teaching in the Munk School to examine problems and solutions for complex global problems.

The Munk One experience integrates small group seminars with hands-on research and analysis of global problems. Limited to an enrolment of 25, students in Munk One enroll in the two (2.0 FCE) courses offered in the Program. The seminar courses promote small-group discussion and emphasize research, analytical, and presentation skills. A lab course gives students the unique opportunity to tackle real-world problems with faculty and graduate students, building connections with their coursework through research-based opportunities that identify problems around the globe and seek to address them through innovative and empirically-grounded solutions. Beyond the classroom, Munk One engages students in the dynamic global conversation occurring in the Munk School, and offers students a vast array of co-curricular offerings such as access to the Munk School's 500 events each year, insights from leading practitioners, field visits, leadership events, curated readings and films. In the summer following their first year, Munk One offers students opportunities to apply these skills in the field by taking part in courses offered in places like Argentina, Israel and Singapore.

By focusing on innovation throughout their foundational year, undergraduate students will receive early immersion in leading thinking on the current global architecture across the sciences, professional fields, humanities, and with perspectives drawn from around the world. Because of the intensive intellectual experience that Munk One will provide, we deliver these offerings through collaboration with the School's flagship Master of Global Affairs Program. The result is a unique bridging of foundational year undergraduate education with the insights being developed in the School's professional graduate program. In so doing, we expect that Munk One: Global Innovation will build a community of undergraduate students who are passionate about the increasingly interconnected and multipolar world in which we live, and who are also linked in closely with the graduate and professional student cohorts pursuing related questions across the Munk School.

The course offerings for Munk One are specifically designed to meet these goals. Global Innovation I: Issues and Perspectives

emphasizes innovation as a key driver of economic growth, population health, and societal success. Relying on contemporary and historical cases across the globe, this course engages students on the question of when innovation occurs, how to identify moments of innovation, motivates students to explore who benefits from innovation and how innovation can be fostered. Global Innovation II: Challenges and Solutions, pushes students to explore the potential problems that often limit or hamper innovation – such as the challenges of implementation and scale. In so doing, students engage directly with the problem-solving approach that is also core to the Munk School's graduate program, by relying on case studies of some of the most complex challenges worldwide, and examining interventions that have succeeded and failed to address them.

As identified above, in addition to seminar courses and co-curricular activities, students in Munk One will each be placed in research labs working on real-world global problems, such as digital governance, environment, global health, ethnic conflict and security, and economic development. Through these laboratory opportunities students will work with interdisciplinary teams to conduct research, develop reports, participate in roundtables, and learn how to identify and address complex global problems. These labs uniquely provide students a platform to draw from and refine their Foundational Year experience. Students will gain experience in a structured multidisciplinary approach to addressing global problems, engage in innovative global problem-solving, and drill down on substantive areas of interest within the field of global affairs.

Munk One students intending to pursue Peace, Conflict and Justice or Contemporary Asian Studies programs (undergraduate programs run through the Munk School of Global Affairs and Public Policy), are also eligible to count some of their Munk One coursework toward their degree requirements.

All first-year students in the Faculty of Arts and Science (St. George campus) are eligible for admission. Students must submit an online application with a resume and personal statement.

Program Director: Teresa Kramarz, teresa.kramarz@utoronto.ca

Program Administrator: Kevin Rowley, munk.one@utoronto.ca or 416-946-0326.

Munk One Courses

MUN101H1 - Global Innovation I: Issues and Perspectives

Hours: 24L

Innovation has always been a key driver of economic growth, population health, and societal success. Transformative change has historically been linked to major innovations such as urban sanitation, pasteurization, the printing press and the industrial revolution. Currently, the opportunity to enhance life chances worldwide relies on innovating for the poor, social innovation, and the ability to harness scientific and technological knowledge. What precisely is innovation? When does innovation happen? Who benefits from innovation? How can innovation be fostered, and how do innovations spread? Relying on major global transformations and country-specific case studies (for example, South Korea, Taiwan, Israel and India), this course examines the drivers of innovation, the political, social, economic, and scientific and technological factors that are critical to promoting innovation and addressing current global challenges, and the consequences of innovation. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Munk One

Exclusion: Innis One, New One, St. Mike's One, Trinity One, UC One, Vic One, Woodsworth One

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

MUN102H1 - Global Innovation II: Challenges and Solutions

Hours: 24L

Governing public goods has been an age-old concern for social scientists and policymakers alike. This is not surprising since the provision of global public goods is riddled by problems of collective action. In this course, we focus on how to implement solutions through states, markets and communities.

The first objective is to familiarize students with the concept of global public goods, the different mechanisms that can provide these goods and the challenges that emerge from lacking incentives to secure their provision. To this end, the course will introduce theories from sociology, political science, philosophy, and history to help us understand different types of governance mechanisms and how they may be used to scale global solutions. Theories can help us explain the tensions between cooperating for the public good at the expense of sacrificing individual goals, or why certain areas of our lives, like the Internet, seem to produce public goods without any formal mechanism of cooperation.

The second objective is to use the class and subject of study as an arena to model and practice the kind of learning that is expected of university students. The main skills that the course will help students target and develop are: research (finding, evaluating and assimilating reliable information); writing (developing ideas into logically written arguments); and critical analysis of arguments presented in the readings and debated in class (this includes identifying the key assumptions that are implicit in different theories as well as inherent in our own positions on various questions related to governance). Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Munk One

Exclusion: Innis One, New One, St. Mike's One, Trinity One, UC One, Vic One, Woodsworth One

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

MUN105Y1 - Global Problem-Solving: Laboratory Opportunities

Hours: 48L

This course teaches students how to conduct analytically rigorous social science research to improve their insights into complex global problems and devise innovative solutions to address them. A unique feature of this class is that students have the opportunity to learn by doing. Students work hands-on in one of several labs dealing with some of the most intractable global problems of our time in the areas of the environment, health, digital governance, security and the gap between rich and poor. By the end of this course students will be able to:

1. Experience and practice the process of social science **research**
2. **Narrow** the scope of a complex global challenge into a manageable research problem that can be tackled over the course of the semester
3. Improve their knowledge and **insights** on a particular global problem
4. Develop a viable, compelling and implementable **solution** that can help address an aspect of a global problem
5. **Pitch** a solution in a compelling way to a jury of experts in global affairs

Students will work with their peers in small seminar classes and lab group settings, mentored by graduate teaching assistants specializing in global affairs, expert faculty and senior policy advisors dedicated to addressing global issues in the fields of the environment, health, security, digital governance and political economy. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Munk One

Exclusion: Exclusion: Innis One, New One, St. Mike's One, Trinity One, UC One, Vic One, Woodsworth One

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

Music

Faculty List

Faculty: Music History & Culture

Professors

C.Clark, MA, Ph D (T)
R. Elliott, MA, Ph D (M)
J. Haines, MA, Ph D (T)
G.S. Johnston, MA, Ph D

Associate Professor

S. Lee, MA, Ph D
K. McLeod, MA, Ph D
J. Pilzer, MA, Ph D

Assistant Professors

R. Chiu, Ph D
S. Gutsche-Miller, MA, Ph D
F. Hemmasi, MA, Ph D
E. Lockhart, Ph D
J. Packman, MA, Ph D

Faculty: Music Theory

Professors

R. McClelland, Ph D
D. McLean, MA, Ph D

Associate Professors

S. Vande Moortele, MA, Ph D

Assistant Professor

D.Tan, Ph D

Associate Professor, Teaching Stream

M. Sallmen, MA, Ph D

Assistant Professor, Teaching Stream

S. Bisciglia, Ph D

Lecturer

L. Kuzmenko, Mus Bac

Introduction

In the Faculty of Arts and Science, Music is approached as one of the liberal arts and taught as cultural history. This humanistic emphasis aims at a high degree of correlation with other disciplines such as Fine Art, Cultural Anthropology, Languages and Literatures, History, and Philosophy. Note that unlike students in the Mus.Bac. program at the Faculty of Music, students in the Specialist and Major programs are not given individual applied music instruction (e.g. piano or voice lessons). They are, however, offered a thorough grounding in musicology, and strong training in both ethnomusicology and music theory, with the option of increasing their exposure to the latter two disciplines via their upper-year option courses.

The courses with the prefix MUS are open to any student of the University. Even students with a strong music background should find them stimulating explorations of the world of music.

Students wishing to enter the Specialist or Major Program should examine the courses listed under HMU History of Music and TMU Theory of Music in the Faculty of Music Calendar. First-year specialist/major courses are available to a small number of students, who are admitted to them by audition and interview during Registration week. Those interested in ethnomusicology and the study of world music may audition on the basis of their comparable

accomplishments in a non-Western instrumental or vocal performing tradition. All students are required to have completed Level 8 Theory and Level 9 Harmony from the Royal Conservatory of Music or equivalent as prerequisite, prior to the audition-interview. Knowledge of Western music history and theory ensures that students are not disadvantaged when facing the curricular requirements of the program. In this program the humanistic and historical approach is supported by courses in music theory which provide craft and analytical tools. The Specialist Program provides excellent preparation for a variety of professional activities including music criticism, library science, positions in the publishing, broadcasting, and recording industries, as well as for graduate studies in musicology, ethnomusicology, and music theory, leading to careers in university teaching. The program leads to the degree of Bachelor of Arts (honours). For programs leading to the degree of Bachelor of Music, the student should consult the Calendar of the Faculty of Music.

Students are encouraged to attend events sponsored by the Faculty of Music such as the Thursday Noon and Faculty Artists' Series, opera productions and numerous concerts. For information refer to www.music.utoronto.ca or telephone 416-978-3740.

Faculty of Music Representative: Professor R. McClelland, Associate Dean, Edward Johnson Building, Room 256 (416-946-0802); email: ryan.mcclelland@utoronto.ca

Enquiries: Jennifer Panasiuk, Admissions Officer, Edward Johnson Building, Room 145 (416-978-3741); email: undergrad.music@utoronto.ca

Regarding Music Programs

Enrolment in HMU and TMU courses, and, therefore, in the Specialist and Major programs, is limited to students who pass the audition-interview, held on September 3, 2019. Students are required to complete and submit the Student Profile available on-line at www.music.utoronto.ca prior to August 15, 2019. Hard copies are available from the Faculty of Music Registrar's Office. You will then be assigned an audition/interview time. Prospective candidates must perform at the Royal Conservatory of Music Grade Eight level, and demonstrate that they have RCM Level 8 Theory (formerly Advanced Rudiments) and RCM Level 9 Harmony (formerly Basic Harmony) or equivalents. Students interested in pursuing the Major or Specialist with the Ensemble option are required to pass an additional audition-interview for ensemble placement. Please refer to [MUS120Y1](#). An information sheet is available at the Faculty of Music and online at www.music.utoronto.ca under "Music for Arts & Science Students". (Note: No audition is required for the Music Minor program, see below.)

Music Programs

Music Specialist (Arts Program) - ASSPE2276

Enrolment Requirements:

Enrolment in HMU and TMU courses, and, therefore, in the Specialist and Major programs, is limited to students who pass the audition-interview, held on September 4, 2018. Students are required to complete and submit the Student Profile available on-line at www.music.utoronto.ca prior to August 17, 2018. Hard copies are available from the Faculty of Music Registrar's Office. You will then

be assigned an audition time. Prospective candidates must perform at the Royal Conservatory of Music Grade Eight level, and demonstrate that they have RCM Level 8 Theory (formerly Advanced Rudiments) and equivalent. (Note: No audition is required for the Music Minor program, see below.)

Completion Requirements:

(10 full courses or equivalent)

First Year:

HMU111H1, HMU126H1, TMU115H1, TMU140Y1 (2.5 FCE)

Higher Years:

1. HMU225H1, HMU240H1 or HMU245H1, TMU240Y1 (2.0 FCE)
2. Six of the following half-courses: HMU425H1, HMU426H1, HMU430H1, HMU431H1, HMU432H1, HMU433H1, HMU435H1, HMU450H1 (3.0 FCE)
3. 1.5 FCE in music history (HMU) or music theory (TMU) with at least 1.0 FCE at the 300-level (1.5 FCE)
4. 1.0 FCE at the 100-level or above in a language other than English (1.0 FCE)

Music Specialist with Ensemble Option (Arts Program) - ASSPE2027

Enrolment Requirements:

Enrolment in HMU and TMU courses, and, therefore, in the Specialist and Major programs, is limited to students who pass the audition-interview, held September 4, 2018. Students are required to complete and submit the Student Profile available on-line at www.music.utoronto.ca prior to August 17, 2018. Hard copies are available from the Faculty of Music Registrar's Office. You will then be assigned an audition time. Prospective candidates must perform at the Royal Conservatory of Music Grade Eight level, and demonstrate that they have RCM Level 8 Theory (formerly Advanced Rudiments) or equivalent. Students interested in pursuing the Major or Specialist with the Ensemble option are required to pass an additional audition-interview for ensemble placement. Please refer to MUS120Y1. An information sheet is available at the Faculty of Music and online at www.music.utoronto.ca under "Music for Arts & Science Students". (Note: No audition is required for the Music Minor program, see below.)

Completion Requirements:

(11.5 full courses or equivalent)

First Year:

HMU111H1, HMU126H1, MUS120Y1, TMU115H1, TMU140Y1 (3.5 FCE)

Higher Years:

1. HMU225H1, HMU240H1 or HMU245H1, TMU240Y1 (2.0 FCE)
2. MUS220Y1 (1.0 FCE)
3. Six of the following half courses: HMU425H1, HMU426H1, HMU430H1, HMU431H1, HMU432H1, HMU433H1, HMU435H1 (3.0 FCE)
4. 1.0 FCE in music history (HMU) or music theory (TMU) at the 300+ level (1.0 FCE)
5. 1.0 FCE at the 100-level or above in a language other than English (1.0 FCE)

Music Major (Arts Program) - ASMAJ2276

Enrolment Requirements:

Enrolment in HMU and TMU courses, and, therefore, in the Specialist and Major programs, is limited to students who pass the audition-interview, held on September 4, 2018. Students are required to complete and submit the Student Profile available on-line at www.music.utoronto.ca prior to August 17, 2018. Hard copies are available from the Faculty of Music Registrar's Office. You will then be assigned an audition time. Prospective candidates must perform at the Royal Conservatory of Music Grade Eight level, and demonstrate that they have RCM Level 8 Theory (formerly Advanced Rudiments or equivalent. (Note: No audition is required for the Music Minor program, see below.)

Completion Requirements:

(7 full courses or equivalent)

First Year:

HMU111H1, HMU126H1, TMU115H1, TMU140Y1 (2.5 FCE)

Higher Years:

1. HMU225H1, TMU240Y1 (1.5 FCE)
2. 2.0 FCE in music history (HMU), including at least one half-course at the 300+ level and one half-course at the 400-level (2.0 FCE)
3. 1.0 FCE at the 300+ level in music history (HMU) or music theory (TMU) (1.0 FCE)

Music Major with Ensemble Option (Arts Program) - ASMAJ2027

Enrolment Requirements:

Enrolment in HMU and TMU courses, and, therefore, in the Specialist and Major programs, is limited to students who pass the audition-interview, held on September 4, 2018. Students are required to complete and submit the Student Profile available on-line at www.music.utoronto.ca prior to August 17, 2018. Hard copies are available from the Faculty of Music Registrar's Office. You will then be assigned an audition time. Prospective candidates must perform at the Royal Conservatory of Music Grade Eight level, and demonstrate that they have RCM Level 8 Theory (formerly Advanced Rudiments) or equivalent. Students interested in pursuing the Major or Specialist with the Ensemble option are required to pass an additional audition-interview for ensemble placement. Please refer to MUS120Y1. An information sheet is available at the Faculty of Music and online at www.music.utoronto.ca under "Music for Arts & Science Students". (Note: No audition is required for the Music Minor program, see below.)

Completion Requirements:

(8 full courses or equivalent)

First Year:

HMU111H1, HMU126H1, MUS120Y1, TMU115H1, TMU140Y1 (3.5 FCE)

Higher Years:

1. HMU225H1, TMU240Y1 (1.5 FCE)
2. MUS220Y1 (1.0 FCE)
3. 1.0 FCE in music history (HMU) at the 300+ level, including at least one half-course at the 400-level (1.0 FCE)
4. 1.0 FCE at the 300+ level in music history (HMU) or music theory (TMU) (1.0 FCE)

Music History & Culture Minor (Arts Program) - ASMIN0695

Completion Requirements:

(4 full courses or equivalent)

1. MUS110H1, MUS111H1
2. MUS200H1 or an alternative 200-level course in world music (MUS209H1, MUS211H1, MUS212H1, or MUS215H1)
3. 2.5 MUS courses from the list below, including one full course at the 300+ level. Either MUS120Y1 or MUS220Y1 can be counted towards the 2.5 MUS courses

Regarding Music Courses

HMU and TMU Courses

HMU111H1, TMU115H1, and TMU140Y1 are Prerequisites for all other HMU/TMU courses which are offered annually. Full details on these, and other HMU/TMU courses may be found in the Calendar of the Faculty of Music. (The link can be found here: <https://music.utoronto.ca/#students>.)

HMU111H, TMU115H1, and TMU140Y1, for the purposes of an Arts & Science degree, are considered category 1 (Creative and Cultural Representations) for breadth requirements, and are considered as Humanities courses for distribution requirements.

Music Courses

MUS110H1 - Introduction to Music History and Culture

Hours: 24L

Introduction to form, style and the interrelationship of music and culture. A basic ability to read music is required.

Exclusion: HMU111H1, VPMA80H3**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

MUS111H1 - Historical Survey of Western Music

Hours: TBA

Historical survey of Western art music from the Middle Ages to the present. A basic ability to read music is required.

Exclusion: HMU111H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

MUS120Y1 - Vocal and Instrumental Ensembles I

Hours: 144P

Students rehearse and perform in concerts and reading sessions as assigned by the Faculty of Music. Provides experience in choral groups, orchestra, or in concert band and large wind groups of diverse instrumentation. Development of musicianship skills through performance of large ensemble works; emphasis on sight-reading, ear-training, and musical knowledge.

Attendance at all sessions is required. Placement audition and permission of the Department required. Download the excerpt that is relevant to the instrument you would like to audition on; excerpts will be available at www.music.utoronto.ca beginning early July. Complete and return the MUS120Y1 & MUS220Y1 Audition Request Form before August 15, 2019.

Once your request form is received, you will be notified of your audition time. Placement audition will be held on September 3rd, 4th or 5th, 2019 in the Edward Johnson Building. The audition will be 10 minutes in length.

Exclusion: MUS291Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

MUS200H1 - Music of the World's Peoples

Hours: 24L

A survey of musical traditions from various regions of the world, with particular emphasis on the sociocultural contexts in which those musics are created and appreciated. No prior background in music or ability to read music is required.

Exclusion: HMU111H1, VPMA99H3**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

MUS202H1 - Beethoven**Hours:** 24L

A study of Beethoven's musical style in historical context, including a non-technical consideration of Beethoven's innovations based on listening to music and reading history. No prior background in music or ability to read music is required.

Exclusion: HMU111H1, VPMC85H3**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**MUS209H1 - Performing Arts of South Asia****Hours:** 24L

Survey of classical, devotional, folk and popular musics and dances from the Indian subcontinent and their toll in the sociocultural life of the region. No prior background in music or ability to read music is required.

Exclusion: HMU111H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**MUS204H1 - The Age of Bach & Handel****Hours:** 24L

A study of the representative major works in their social and cultural setting with emphasis on the high baroque style of Bach and Handel. No prior background in music or the ability to read music is required.

Exclusion: HMU111H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**MUS210H1 - Music in Film****Hours:** 24L

The theory and practice of how music is used in a variety of film genres, drawing on case studies from different eras in film history. Examples will be drawn primarily from European and North American cinema.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**MUS206H1 - The World of Opera****Hours:** 24L

Examination of selected operas from the eighteenth to the early twentieth century. Musical and dramatic styles will be considered in their cultural context. The ability to read music is not required.

Exclusion: HMU111H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**MUS211H1 - The World of Popular Music****Hours:** 24L

A survey of popular music traditions from various regions of the world with particular emphasis on the sociocultural contexts in which those musics are created and appreciated. Explores the role of the recording industry, media, festivals, and local institutions in shaping these music cultures both at home and in the international arena. No prior background in music or ability to read music is required.

Exclusion: HMU111H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**MUS207H1 - Music for Orchestra****Hours:** 24L

Study of selected orchestral works from 1700 to the present. No prior background in music or ability to read music is required.

Exclusion: HMU111H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**MUS212H1 - Music, Sound & Power in the Middle East****Hours:** 24L

An investigation of the social life of classical, devotional, folk and popular music and dance from across the Middle East, North Africa and Central Asia.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

MUS215H1 - Performing Arts of East Asia**Hours:** 24L

An investigation of the social life of classical, devotional, theatrical, folk, and popular music and dance across East Asia.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**MUS230H1 - Music of the 1960s****Hours:** 24L

Examination of musical and cultural aspects of the decade, with emphasis on North America. No prior background in music or ability to read music is required.

Exclusion: HMU111H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**MUS220Y1 - Vocal and Instrumental Ensembles II****Hours:** 144P

Students rehearse and perform in concerts and reading sessions as assigned by the Faculty of Music. Provides experience in choral groups, orchestra, or in concert band and large wind groups of diverse instrumentation. Development of musicianship skills through performance of large ensemble works; emphasis on sight-reading, ear-training, and musical knowledge. Attendance at all sessions is required. Placement audition and permission of the Department required. Download the excerpt that is relevant to the instrument you would like to audition on; excerpts will be available at www.music.utoronto.ca beginning early July. Complete and return the MUS120Y1 & MUS220Y1 Audition Request Form before August 15, 2019. Once your request form is received, you will be notified of your audition time. Placement audition will be held on September 3rd, 4th or 5th, 2019 in the Edward Johnson Building. The audition will be 10 minutes in length.

Prerequisite: MUS120Y1. Placement audition and permission of the Department required.**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**MUS225H1 - Music: Islamic World****Hours:** 24L

A survey of the musical systems of Muslim societies from North Africa to Southeast Asia, with special focus on the broader cultural contexts in which they are created, used, and appreciated. No prior background in music or ability to read music is required.

Exclusion: HMU111H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**MUS235H1 - Survivors' Music****Hours:** 24L

Investigating music's myriad roles in the lives of survivors of violence and traumatic experience, for example, in health and recovery, witnessing, and advocacy—and the hidden histories these musics reveal. We encounter survivors of the Holocaust, Hiroshima, the Japanese "comfort women" system, and quotidian domestic and sexual violence.

Exclusion: HMU111H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**MUS240H1 - Heavy Music****Hours:** TBA

An investigation of different world genres of "heavy music" as creations of sounding figures of social order, practices of destruction, practices of personal and collective power, social critique, parody, and so on. Includes obvious suspects—metal, punk, gangsta rap—but also opera, military musics, ritual musics, and others.

Prerequisite: None**Corequisite:** None**Exclusion:** HMU111H1**Recommended Preparation:** None**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

MUS300H1 - Music, Media and Technology**Hours:** 24L

This course explores some of the ways in which music has been shaped through history, and particularly during the last 100 years, by technology and the media. Special attention will be paid to the record industry, broadcasting, and cinema. Examples from popular and art music traditions of the world will be used to illustrate the symbolic relationship between music and media. No prior background in music or ability to read music is required.

Exclusion: HMU111H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**MUS302H1 - Symphony****Hours:** 24L

Masterpieces in the symphonic genre from the eighteenth to the twentieth centuries. No prior background in music or ability to read music is required.

Exclusion: HMU111H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**MUS303H1 - Music in the Contemporary World****Hours:** 24L

The modern musical repertoire, including popular and traditional music from various parts of the world, will be studied from a variety of theoretical perspectives. No prior background in music or ability to read music is required.

Exclusion: HMU111H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**MUS305H1 - Latin American and Caribbean Music****Hours:** 24L

A survey of popular, folk, and religious music from Latin America and the Caribbean. Each practice will be considered in its socio-cultural context with attention to the histories and discourses of racial and cultural mixing that deeply inform everyday life in nation-states including Peru, Brazil, Haiti, and Jamaica among others.

Exclusion: HMU111H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**MUS306H1 - Popular Music in North America****Hours:** 24L

A selected survey of North American popular music from the 1930s through present. Students will develop a critical framework for listening to and analyzing popular music in historical and social context by focusing on aspects of performance, representation, composition, mass media, aesthetics, and commodification. No prior background in music or ability to read music is required.

Exclusion: HMU111H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**MUS308H1 - Handel****Hours:** 24L

Handel's life and music will be examined in its cultural contexts.

Exclusion: HMU111H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

MUS315H1 - North American Vernacular Music

Hours: 24L

Explores vernacular music in North America, considering how musical performances and festivals of vernacular music map local, regional, and ethnic identities in North America. Specific case studies will include Scottish Highland, Tejano Conjunto, Métis Fiddling, Powwow, and Zydeco. No prior background in music or ability to read music is required.

Exclusion: HMU111H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

MUS321H1 - The Beatles

Hours: 24L

In The Ultimate Encyclopedia Of Rock, it was written of the The Beatles that "From three-minute pop classics to the psychedelic extravaganza of 'Sgt. Pepper', their songs soundtracked the Sixties. They were the greatest group in history. They probably always will be". In addition to a survey of the group's history, their recordings, and their films, this course aims to answer two basic questions: (1) what made the songs of The Beatles so successful? (2) in what ways did the band's artistic output "soundtrack" the 1960s? No prior background in music or ability to read music is required.

Exclusion: HMU111H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

MUS325H1 - The Age of Haydn & Mozart

Hours: 24L

Selected works from the second half of the eighteenth century by Haydn, Mozart, and their contemporaries will be examined in cultural and historical context. No prior background in music or ability to read music is required.

Exclusion: HMU111H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

MUS330H1 - Music, Violence, and War

Hours: 24L

An inquiry into the social life of music in situations of violence, war, social domination, and traumatic experience. Case studies include music and African-American slavery, the First World War, Nazi Germany and the Holocaust, the Asia-Pacific War, Khmer Rouge Cambodia, the Iraq Wars and others.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

MUS335H1 - A Social History of the Piano

Hours: 24L

A survey of the changing roles and gendered associations of the piano c.1700 to the present day. Examples from the western art music tradition are compared to the acculturating force of the piano in other cultures, representations in the visual arts and film, and contemporary contexts of piano performance.

Exclusion: VPMB76

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

MUS340H1 - 20th Century Music for Theatre

Hours: 24L

An examination of the role that music has played in modern Western theatre, with specific case studies drawn from one or more of the following genres: ballet, modern dance, musical theatre, opera, spoken theatre.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

MUS408H1 - Wagner

Hours: 24L

A study of the life and works of the composer Richard Wagner, and of his influence on European cultural life from his time to the present day.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Near and Middle Eastern Civilizations

Faculty List

Professors Emeriti

E. Birnbaum, BA, Dipl OAS
 P.E. Dion, L Th, L SS, Ph D
 L.V. Golombok, MA, Ph D, FRSC (ROM)
 A.K. Grayson, MA, Ph D, FRSC
 A. Jwaideh, MA, B Litt, D Phil
 A. Pietersma, BA, BD, Ph D
 D.B. Redford, MA, Ph D, FRSC
 E.J. Revell, MA, Ph D, FRSC (V)
 R.M. Savory, MA, Ph D, FRSC (T)
 R.F.G. Sweet, MA, Ph D

Associate Professors Emeriti

J.R. Blackburn, MA, Ph D
 H. Dajani-Shakeel, MA, Ph D
 L. Garshowitz, MA, Ph D
 E.J. Keall, BA, Ph D (ROM)
 R. Sandler, MA, Ph D
 B.T. Lawson, MA, Ph D

Senior Lecturer Emeritus

R.T. Lutz, MA

Professor and Chair

T.P. Harrison, MA, Ph D

Professors

P.-A. Beaulieu, MA, Ph D
 H. Fox, MS, Ph D
 A. Harrak, MA, Ph D
 R.D. Holmstedt, MA, Ph D
 R.J. Leprohon, MA, Ph D
 J.A. Reilly, MA, Ph D
 M.E. Subtelny, BA, Ph D
 M. Tavakoli-Targhi, MA, Ph D (UTM)

Associate Professors

M. Brosius, D Phil
 K. Goebs, MA, Ph D
 K.A. Grzymski, MA, Ph D (ROM)
 J.P. Hanssen, D Phil (UTM)
 R. Mason, MA, Ph D (ROM)
 T. Meacham, MA, Ph D
 S. Metso, MA, Ph D
 N. Mountaz, Ph D
 L. Northrup, MA, Ph D
 V. Ostapchuk, BA, Ph D
 M. Pouls Wegner, BA, Ph D
 E. Raffaelli, MA, Ph D (UTM)
 W. Saleh, MA, Ph D (U), Distinguished Professor of Islam

Associate Professors, Teaching Stream

A.K. Ali, MA, Ph D
 A. Taleghani, MA, Ph D (UTM)

Assistant Professors, Tenure Stream

H. Baker, MA, Ph D
 J. Miller, MA, Ph D
 C. Reichel, MA, Ph D (ROM)

Assistant Professors, Teaching Stream

A. Porter, Ph D
 F. Ragheb, Ph D
 Y. Vevaina, Ph D

Introduction

The Department of Near and Middle Eastern Civilizations is concerned with the interdisciplinary study of the civilizations and cultures of the Near and Middle East from Neolithic times until the present, including their archaeology, history, mythology, religion and thought, art and architecture, and languages and literatures (Akkadian, Babylonian, Sumerian, ancient Egyptian, Coptic, Aramaic, Syriac, Hebrew, Arabic, Ge'ez, Persian and Turkish). The Department's programs provide students with a unique opportunity to study non-Western complex societies and civilizations.

The Near East is generally understood to refer to the region at the eastern end of the Mediterranean and beyond, from ancient times up to the advent of Islam in the seventh century CE. The Middle East begins with the advent of Islam and refers to a much broader geographical area whose predominant Islamic culture in medieval and modern times has stretched to North Africa and Spain in the west and to Central Asia, India, and Southeast Asia in the east. p

The Department welcomes students of all academic backgrounds who wish to learn about the Near and Middle East. [NMC101H1](#), [NMC102H1](#) and [NMC104H1](#) introduce students to the ancient Near East, including ancient Egypt, Mesopotamia, and Israel, while [NMC103H1](#) introduces students to the Islamic world. Students pursuing a Specialist or Major program are required to take two of these Gateway courses and are given the option to enrol in one of four streams: an open stream, an ancient stream, a medieval stream, or a modern stream.

Many courses offered in the Department do not require any knowledge of the languages of the region. However, the Department strongly believes that a deeper understanding of the civilizations and cultures of the Near and Middle East can be achieved through the study of one or more of its languages. In fact, admission to a graduate program in NMC requires the applicant to have acquired a background in the relevant languages. For more detailed information about programs and courses offered in a particular year, students should consult the Department's web site: www.nmc.utoronto.ca.

Undergraduate Enquiries should be directed to the Undergraduate Co-ordinator, 4 Bancroft Avenue, Room 200 (nmc.ug@utoronto.ca)

Near and Middle Eastern Civilizations Programs

Near and Middle Eastern Civilizations Specialist (Ancient) (Arts Program) - ASSPE2665

Completion Requirements:

(11 FCEs, including at least 4 300+ FCEs, 1 FCE of which must be at the 400-level.)

At least 9 FCEs must be NMC and/or NML courses. Others may be taken only from a list of pre-approved courses offered by other departments.

1. First Year: 1 FCE from NMC101H1/ NMC102H1/ NMC103H1/ NMC104H1.

2. 4 FCEs in one or two primary source languages (Akkadian, Ancient Egyptian, Biblical, Middle, or Modern Hebrew, Aramaic, Syriac, Arabic, Persian, Turkish), with NML designator (i.e., not literature in translation). It is recommended that language instruction begin in first year if possible. 2a. The 4 FCEs in primary source languages must be from among the following languages: Akkadian, Ancient Egyptian, Biblical or Middle Hebrew, Aramaic, Syriac.

3. Higher years:

3 FCEs from NMC245H1, NMC247H1, NMC254H1, NMC270H1, NMC277H1, NMC343H1, NMC344H1, NMC346H1, NMC347H1, NMC349H1, NMC370H1, NMC371H1, NMC372H1, NMC446H1, NMC447H1, NMC448H1, NMC449H1, NMC471H1, NMC472H1 (History & Society courses) and NMC289H1, NMC380H1, NMC382Y1 (Religion & Thought courses).

2 FCEs from NMC260H1, NMC261Y0, NMC262H1, NMC263H1, NMC259H1, NMC360H1, NMC361H1, NMC362Y1, NMC363H1, NMC364H1, NMC366Y1, NMC369Y1, NMC461Y1, NMC462Y1, NMC463H1, NMC465H1, NMC466H1, NMC467H1, NMC468H1 (Archaeology courses) and NMC246H1, NMC251H1, NMC252H1, NMC253H1, NMC259H1, NMC351H1, NMC450H1, NMC491H1 (Art, Architecture, & Literature courses).

4. 1 additional FCE in Medieval or Modern stream courses or those from a list of pre-approved courses offered by other departments.

Near and Middle Eastern Civilizations Specialist (General) (Arts Program) - ASSPE1019

Completion Requirements:

(11 FCEs, including at least 4 300+ FCEs, 1 FCE of which must be at the 400-level.)

At least 9 FCEs must be NMC and/or NML courses. Others may be taken only from a list of pre-approved courses offered by other departments.

1. First Year: 1 FCE from NMC101H1/ NMC102H1/ NMC103H1/ NMC104H1.

2. 4 FCEs in one or two primary source languages (Akkadian, Ancient Egyptian, Biblical, Middle, or Modern Hebrew, Aramaic, Syriac, Arabic, Persian, Turkish), with NML designator (i.e., not literature in translation). It is recommended that language instruction begin in first year if possible.

3. Higher years: 3 FCEs from NMC241H1, NMC245H1, NMC254H1, NMC270H1, NMC273Y1, NMC274H1, NMC275H1, NMC277H1, NMC278H1, NMC342H1, NMC343H1, NMC344H1, NMC346H1, NMC347H1, NMC348Y1, NMC349H1, NMC355H1, NMC356H1, NMC370H1, NMC371H1, NMC372H1, NMC373H1, NMC374H1, NMC376H1, NMC377Y1, NMC378H1, NMC386H1, NMC446H1, NMC447H1, NMC448H1, NMC449H1, NMC451H1, NMC452H1, NMC471H1, NMC472H1, NMC473H1, NMC475H1, NMC476H1,

NMC477H1, NMC478H1, NMC479H1 (History & Society courses) and NMC247H1, NMC283Y1, NMC284H1, NMC285H1, NMC286H1, NMC289H1, NMC380H1, NMC381H1, NMC382Y1, NMC384H1, NMC385H1, NMC387H1, NMC388H1, NMC389H1, NMC481H1, NMC484H1 (Religion & Thought courses).

2 FCEs from NMC248H1, NMC260H1, NMC261Y0, NMC262H1, NMC263H1, NMC359H1, NMC360H1, NMC361H1, NMC362Y1, NMC363H1, NMC364H1, NMC365Y1, NMC366Y1, NMC367H1, NMC368H1, NMC369Y1, NMC461H1, NMC462Y1, NMC463H1, NMC465H1, NMC466H1, NMC467H1, NMC468H1, NMC469Y1 (Archaeology courses) and NMC246H1, NMC251H1, NMC252H1, NMC253H1, NMC255H1, NMC256H1, NMC257H1, NMC258H1, NMC259H1, NMC315H1, NMC350H1, NMC351H1, NMC392H1, NMC394H1, NMC396Y1, NMC450H1, NMC491H1 (Art, Architecture, & Literature courses).

4. 1 additional FCE of NMC or NML courses or those from a list of pre-approved courses offered by other departments.

Near and Middle Eastern Civilizations Specialist (Medieval) (Arts Program) - ASSPE2667

Completion Requirements:

(11 FCEs, including at least 4 300+ FCEs, 1 FCE of which must be at the 400-level.)

At least 9 FCEs must be NMC and/or NML courses. Others may be taken only from a list of pre-approved courses offered by other departments.

1. First Year: 1 FCE from NMC101H1/ NMC102H1/ NMC103H1/ NMC104H1.

2. 4 FCEs in one or two primary source languages (Akkadian, Ancient Egyptian, Biblical, Middle, or Modern Hebrew, Aramaic, Syriac, Arabic, Persian, Turkish), with NML designator (i.e., not literature in translation). It is recommended that language instruction begin in first year if possible. The 4 FCEs in primary source languages must be from among the following languages: Biblical or Middle Hebrew, Aramaic, Syriac, Arabic, Persian, Turkish.

3. Higher years:

3 FCEs from NMC270H1, NMC273Y1, NMC274H1, NMC275H1, NMC277H1, NMC342H1, NMC348Y1, NMC372H1, NMC374H1, NMC376H1, NMC377Y1, NMC386H1, NMC471H1, NMC472H1 (History & Society courses) and NMC283Y1, NMC285H1, NMC286H1, NMC289H1, NMC384H1, NMC385H1, NMC387H1, NMC388H1, NMC389H1, NMC481H1, NMC484H1 (Religion & Thought courses).

2 FCEs from NMC261Y0, NMC366Y1, NMC367H1, NMC369Y1, NMC462Y1, NMC465H1, NMC469Y1 (Archaeology courses) and NMC255H1, NMC256H1, NMC258H1, NMC350H1, NMC394H1, NMC396Y1 (Art, Architecture, & Literature courses).

4. 1 additional FCE in Ancient or Modern stream courses or those from a list of pre-approved courses offered by other departments.

Near and Middle Eastern Civilizations Specialist (Modern) (Arts Program) - ASSPE2669

Completion Requirements:

(11 FCEs, including at least 4 300+ FCEs, 1 FCE of which must be at the 400-level.)

At least 9 FCEs must be NMC and/or NML courses. Others may be taken only from a list of pre-approved courses offered by other departments.

1. First Year: 1 FCE from [NMC101H1](#)/[NMC102H1](#)/[NMC103H1](#)/[NMC104H1](#).

2. 4 FCEs in one or two primary source languages (Akkadian, Ancient Egyptian, Biblical, Middle, or Modern Hebrew, Aramaic, Syriac, Arabic, Persian, Turkish), with NML designator (i.e., not literature in translation). It is recommended that language instruction begin in first year if possible. The 4 FCEs in primary source languages must be from among the following languages: Modern Hebrew, Arabic, Persian, Turkish.

3. Higher years:

3 FCEs from [NMC241H1](#), [NMC270H1](#), [NMC274H1](#), [NMC275H1](#), [NMC277H1](#), [NMC278H1](#), [NMC348Y1](#), [NMC355H1](#), [NMC356H1](#), [NMC373H1](#), [NMC374H1](#), [NMC377Y1](#), [NMC378H1](#), [NMC386H1](#), [NMC451H1](#), [NMC452H1](#), [NMC471H1](#), [NMC472H1](#), [NMC473H1](#), [NMC475H1](#), [NMC476H1](#), [NMC477H1](#), [NMC478H1](#), [NMC479H1](#) (History & Society courses) and [NMC283Y1](#), [NMC284H1](#), [NMC285H1](#), [NMC286H1](#), [NMC289H1](#), [NMC381H1](#), [NMC384H1](#), [NMC385H1](#), [NMC387H1](#), [NMC389H1](#), [NMC481H1](#), [NMC484H1](#) (Religion & Thought courses).

2 FCEs from [NMC261Y0](#), [NMC367H1](#), [NMC368H1](#), [NMC369Y1](#), [NMC462Y1](#), [NMC465H1](#) (Archaeology courses) and [NMC257H1](#), [NMC259H1](#), [NMC392H1](#), [NMC394H1](#), [NMC396Y1](#) (Art, Architecture, & Literature courses).

4. 1 additional FCE in Ancient or Medieval stream courses or those from a list of pre-approved courses offered by other departments.

Near and Middle Eastern Civilizations Major (Ancient) (Arts Program) - ASMAJ2665

Completion Requirements:

(6 FCEs including at least 2 300+-level FCEs, 1 FCE of which must be at the 400-level)

At least 5 FCEs must be NMC and/or NML courses. 1 FCE may be taken from a list of pre-approved courses offered by other departments or in consultation with the Undergraduate Coordinator.

1. First Year: 0.5 FCE from [NMC101H1](#)/[NMC102H1](#)/[NMC103H1](#)/[NMC104H1](#). This requirement may be waived at the discretion of the Undergraduate Coordinator.

2. Higher years:

2 to 3 FCEs from Group A and 1 FCE from Group B/Group C.

1 to 2 FCEs in Ancient Stream languages (Akkadian, Ancient Egyptian, Biblical or Middle Hebrew, Aramaic, Syriac)

Near and Middle Eastern Civilizations Major (General) (Arts Program) - ASMAJ1019

Completion Requirements:

(6 FCEs including at least 2 300+-level FCEs, 1 FCE of which must be at the 400-level)

At least 5 FCEs must be NMC and/or NML courses. 1 FCE may be taken from a list of pre-approved courses offered by other departments or in consultation with the Undergraduate Coordinator.

1. First Year: 0.5 FCE from [NMC101H1](#)/[NMC102H1](#)/[NMC103H1](#)/[NMC104H1](#). This requirement may be waived at the discretion of the Undergraduate Coordinator.

2. Higher years:

3 to 4 FCEs from any NMC courses.

1 to 2 FCEs in language (NML courses)

Near and Middle Eastern Civilizations Major (Medieval) (Arts Program) - ASMAJ2667

Completion Requirements:

(6 FCEs including at least 2 300+-level FCEs, 1 FCE of which must be at the 400-level)

At least 5 FCEs must be NMC and/or NML courses. 1 FCE may be taken from a list of pre-approved courses offered by other departments or in consultation with the Undergraduate Coordinator.

1. First Year: 0.5 FCE from [NMC101H1](#)/[NMC102H1](#)/[NMC103H1](#)/[NMC104H1](#). This requirement may be waived at the discretion of the Undergraduate Coordinator.

2. Higher years:

2 to 3 FCEs from Group B and 1 FCE from Group A/Group C.

1 to 2 FCEs in Medieval Stream languages (Biblical, Middle Hebrew, Aramaic, Syriac, Arabic, Persian, Turkish).

Near and Middle Eastern Civilizations Major (Modern) (Arts Program) - ASMAJ2669

Completion Requirements:

(6 FCEs including at least 2 300+-level FCEs, 1 FCE of which must be at the 400-level)

At least 5 FCEs must be NMC and/or NML courses. 1 FCE may be taken from a list of pre-approved courses offered by other departments or in consultation with the Undergraduate Coordinator.

1. First Year: 0.5 FCE from [NMC101H1](#) / [NMC102H1](#) / [NMC103H1](#) / [NMC104H1](#). This requirement may be waived at the discretion of the Undergraduate Coordinator.

2. Higher years:

2 to 3 FCEs from Group C and 1 FCE from Group A/Group B.

1 to 2 FCEs in Modern Stream languages (Modern Hebrew, Arabic, Persian, Turkish).

Near and Middle Eastern Civilizations Minor (Arts Program) - ASMIN1019

Completion Requirements:

Four FCEs, including at least one 300+ series course. All four must be NMC and/or NML courses.

Course Groups

Group A (Ancient Stream)

- [NMC245H1 Women in the Ancient Near East](#)
- [NMC246H1 Sumerian and Babylonian Literature in Translation](#)
- [NMC247H1 The Intellectual History of the Ancient Near East](#)
- [NMC248H1 Ancient Bureaucracies](#)
- [NMC251H1 Voices from Ancient Egypt](#)
- [NMC252H1 Hebrew Bible](#)
- [NMC253H1 Egyptian Myths](#)
- [NMC254H1 The Mummy: Technology and Transformation](#)
- [NMC259H1 Literature of Ancient and Late Antique Iran](#)
- [NMC260H1 Why the Ancient Near East? Investigating the Great Transformations in Pre- and Proto-History](#)
- [NMC261Y0 Field Archaeology](#)
- [NMC262H1 Why the Ancient Near East? The Historic Periods](#)
- [NMC263H1 The Archaeology of Gods, Ghosts, Witches and Demons](#)
- [NMC270H1 Christians of the Middle East](#)
- [NMC277H1 Topics in Near & Middle Eastern Civilizations](#)
- [NMC289H1 Introduction to Coptic Studies](#)

- [NMC299Y1 Research Opportunity Program](#)
- [NMC343H1 Farmers to Pyramid Builders: Cultural and Political History of Ancient Egypt I](#)
- [NMC344H1 Hyksos Subjects to Empire Builders: Cultural and Political History of Ancient Egypt II](#)
- [NMC346H1 Ancient Mesopotamia I: Sumerians and Akkadians](#)
- [NMC347H1 Ancient Mesopotamia II: Assyrians and Babylonians](#)
- [NMC349H1 The First World Empire: Achaemenid Persia](#)
- [NMC351H1 Dead Sea Scrolls](#)
- [NMC359H1 Nomads in the Ancient Near East](#)
- [NMC360H1 Archaeology of the Biblical World I: The Bronze Age](#)
- [NMC361H1 The Archaeology of the Biblical World II: The Iron Age](#)
- [NMC362Y1 Ancient Egyptian Sites](#)
- [NMC363H1 Ancient Iraq](#)
- [NMC364H1 Art and Archaeology of Syria](#)
- [NMC366Y1 Archaeology from Alexander to Muhammad](#)
- [NMC369Y1](#)
- [NMC370H1 Ancient Israel](#)
- [NMC371H1 Iran after Alexander](#)
- [NMC372H1 The Sasanians: Religion, Empire, and Society in Late Antique Iran](#)
- [NMC380H1 Religion in the Ancient Near East](#)
- [NMC382Y1 Mummies, Myth and Magic: The Religion of Ancient Egypt](#)
- [NMC399Y0](#)
- [NMC446H1 The Babylonian City](#)
- [NMC447H1 The Neo-Assyrian Empire](#)
- [NMC448H1 Alexander and Iran](#)
- [NMC449H1 Mesopotamian Society and Economy](#)
- [NMC450H1 Research Seminar on Ancient Jewish Literature](#)
- [NMC461Y1](#)
- [NMC462Y1](#)
- [NMC463H1 Warfare: the Archaeology of Conflict in the Ancient Near East](#)
- [NMC465H1 Ceramic Analysis](#)
- [NMC466H1 Near Eastern Ceramics](#)
- [NMC467H1 Seminar in Egyptian Archaeology I](#)
- [NMC468H1 Seminar in Egyptian Archaeology II](#)
- [NMC471H1 Advanced Topics in Near and Middle Eastern Civilizations](#)
- [NMC472H1 Theory & Method in Middle East Studies](#)
- [NMC491H1 Mesopotamian Material Culture: Art](#)
- [NMC495Y1 Independent Studies](#)
- [NMC496H1 Independent Studies](#)
- [NMC497H1 Independent Studies](#)
- [NMC499Y1 Senior Thesis](#)

Group B (Medieval Stream)

- [NMC255H1 Love, Battle, and Wit: Classics of Premodern Arabic Literature](#)
- [NMC256H1 1001 Nights Around the World](#)
- [NMC258H1 The Book of Kings: Persian Myth, History, and Art](#)
- [NMC261Y0 Field Archaeology](#)
- [NMC270H1 Christians of the Middle East](#)

- [NMC273Y1 Early Islamic History: The Prophet and the Caliphates](#)
- [NMC274H1 The Rise of the Turks: From Nomads of the Steppe Frontier to Islamic Rulers](#)
- [NMC275H1 The Mongol Empire and the World It Made](#)
- [NMC277H1 Topics in Near & Middle Eastern Civilizations](#)
- [NMC283Y1 Islam: Religion and Civilization](#)
- [NMC285H1 The Quran: Spirit and Form](#)
- [NMC286H1 The Quran: Reading and Transformation](#)
- [NMC289H1 Introduction to Coptic Studies](#)
- [NMC299Y1 Research Opportunity Program](#)
- [NMC342H1 History & Sources of Egyptian Monasticism](#)
- [NMC348Y1 History of Iran: From the Sasanians to the Safavids](#)
- [NMC350H1 Christian Literature from the Middle East in Translation](#)
- [NMC365Y1 Archaeology of the Islamic World](#)
- [NMC366Y1 Archaeology from Alexander to Muhammad](#)
- [NMC367H1 Archaeology & Architecture of Egyptian Monasticism](#)
- [NMC369Y1](#)
- [NMC372H1 The Sasanians: Religion, Empire, and Society in Late Antique Iran](#)
- [NMC374H1 The Mamluks: from Slaves to Sultans](#)
- [NMC376H1 History of Islamic Spain and North Africa \(640-1492\)](#)
- [NMC377Y1 The Ottoman Empire to 1800](#)
- [NMC384H1 Life Cycle and Personal Status in Judaism](#)
- [NMC385H1 Introduction to Islamic Law](#)
- [NMC386H1 Muslims, Christians, and Jews in the Ottoman Empire](#)
- [NMC387H1 Islamic Mystical Tradition](#)
- [NMC388H1 Shi'i Islam I](#)
- [NMC389H1 Shi'i Islam II](#)
- [NMC393H1 Early Islamic Art & Architectures](#)
- [NMC394H1 Persianate Art & Architecture](#)
- [NMC396Y1 The Islamic City](#)
- [NMC399Y0](#)
- [NMC462Y1](#)
- [NMC465H1 Ceramic Analysis](#)
- [NMC469Y1 Mediaeval Middle Eastern Ceramics](#)
- [NMC471H1 Advanced Topics in Near and Middle Eastern Civilizations](#)
- [NMC472H1 Theory & Method in Middle East Studies](#)
- [NMC481H1 Muslim Gnostics and Mystics](#)
- [NMC484H1 Gender-related Topics in Law and Religion](#)
- [NMC495Y1 Independent Studies](#)
- [NMC496H1 Independent Studies](#)
- [NMC497H1 Independent Studies](#)
- [NMC499Y1 Senior Thesis](#)

Group C (Modern Stream)

- [NMC241H1 Anthropology of the Middle East](#)
- [NMC257H1 Modern Turkish Literature](#)
- [NMC259H1 Literature of Ancient and Late Antique Iran](#)
- [NMC261Y0 Field Archaeology](#)
- [NMC270H1 Christians of the Middle East](#)
- [NMC274H1 The Rise of the Turks: From Nomads of the Steppe Frontier to Islamic Rulers](#)
- [NMC275H1 The Mongol Empire and the World It Made](#)

- [NMC277H1 Topics in Near & Middle Eastern Civilizations](#)
- [NMC278H1 Introduction to the Modern Middle East](#)
- [NMC283Y1 Islam: Religion and Civilization](#)
- [NMC284H1 Topics in Judaism and Feminism: Conflict, Competition, Complement](#)
- [NMC285H1 The Quran: Spirit and Form](#)
- [NMC286H1 The Quran: Reading and Transformation](#)
- [NMC289H1 Introduction to Coptic Studies](#)
- [NMC299Y1 Research Opportunity Program](#)
- [NMC348Y1 History of Iran: From the Sasanians to the Safavids](#)
- [NMC355H1 The Ottoman Empire in the Age of Reform, 1808-1918](#)
- [NMC356H1 Anthropology of Islam](#)
- [NMC367H1 Archaeology & Architecture of Egyptian Monasticism](#)
- [NMC368H1 Coptic Art & Archaeology](#)
- [NMC369Y1](#)
- [NMC373H1 Modern Iran](#)
- [NMC374H1 The Mamluks: from Slaves to Sultans](#)
- [NMC377Y1 The Ottoman Empire to 1800](#)
- [NMC378H1 Modern Arab History](#)
- [NMC381H1 Modern Islamic Thought](#)
- [NMC384H1 Life Cycle and Personal Status in Judaism](#)
- [NMC385H1 Introduction to Islamic Law](#)
- [NMC386H1 Muslims, Christians, and Jews in the Ottoman Empire](#)
- [NMC387H1 Islamic Mystical Tradition](#)
- [NMC388H1 Shi'i Islam I](#)
- [NMC389H1 Shi'i Islam II](#)
- [NMC392H1 The Taj Mahal and Its Origins](#)
- [NMC394H1 Persianate Art & Architecture](#)
- [NMC396Y1 The Islamic City](#)
- [NMC399Y0](#)
- [NMC451H1 Iranian Constitutional Revolution](#)
- [NMC452H1 Iranian Modernity](#)
- [NMC462Y1](#)
- [NMC465H1 Ceramic Analysis](#)
- [NMC472H1 Theory & Method in Middle East Studies](#)
- [NMC472H1 Theory & Method in Middle East Studies](#)
- [NMC473H1 Intellectuals of the Modern Arab World](#)
- [NMC475H1 Orientalism & Occidentalism](#)
- [NMC476H1 Politics of Archaeology in the Modern Middle East](#)
- [NMC477H1 Modern Turkey](#)
- [NMC478H1 Modern Arab Societies](#)
- [NMC479H1 Nationalism in the Arab World](#)
- [NMC481H1 Muslim Gnostics and Mystics](#)
- [NMC484H1 Gender-related Topics in Law and Religion](#)
- [NMC495Y1 Independent Studies](#)
- [NMC496H1 Independent Studies](#)
- [NMC497H1 Independent Studies](#)
- [NMC499Y1 Senior Thesis](#)

Specialist Ancient

- [NMC245H1 Women in the Ancient Near East](#)
- [NMC247H1 The Intellectual History of the Ancient Near East](#)
- [NMC254H1 The Mummy: Technology and Transformation](#)
- [NMC370H1 Ancient Israel](#)

- [NMC277H1 Topics in Near & Middle Eastern Civilizations](#)
- [NMC343H1 Farmers to Pyramid Builders: Cultural and Political History of Ancient Egypt I](#)
- [NMC344H1 Hyksos Subjects to Empire Builders: Cultural and Political History of Ancient Egypt II](#)
- [NMC346H1 Ancient Mesopotamia I: Sumerians and Akkadians](#)
- [NMC347H1 Ancient Mesopotamia II: Assyrians and Babylonians](#)
- [NMC349H1 The First World Empire: Achaemenid Persia](#)
- [NMC370H1 Ancient Israel](#)
- [NMC371H1 Iran after Alexander](#)
- [NMC372H1 The Sasanians: Religion, Empire, and Society in Late Antique Iran](#)
- [NMC446H1 The Babylonian City](#)
- [NMC447H1 The Neo-Assyrian Empire](#)
- [NMC448H1 Alexander and Iran](#)
- [NMC449H1 Mesopotamian Society and Economy](#)
- [NMC471H1 Advanced Topics in Near and Middle Eastern Civilizations](#)
- [NMC472H1 Theory & Method in Middle East Studies](#)
- [NMC289H1 Introduction to Coptic Studies](#)
- [NMC380H1 Religion in the Ancient Near East](#)
- [NMC382Y1 Mummies, Myth and Magic: The Religion of Ancient Egypt](#)
- [NMC380H1 Religion in the Ancient Near East](#)
- [NMC382Y1 Mummies, Myth and Magic: The Religion of Ancient Egypt](#)
- [NMC260H1 Why the Ancient Near East? Investigating the Great Transformations in Pre- and Proto- History](#)
- [NMC261Y0 Field Archaeology](#)
- [NMC262H1 Why the Ancient Near East? The Historic Periods](#)
- [NMC263H1 The Archaeology of Gods, Ghosts, Witches and Demons](#)
- [NMC259H1 Literature of Ancient and Late Antique Iran](#)
- [NMC360H1 Archaeology of the Biblical World I: The Bronze Age](#)
- [NMC361H1 The Archaeology of the Biblical World II: The Iron Age](#)
- [NMC362Y1 Ancient Egyptian Sites](#)
- [NMC363H1 Ancient Iraq](#)
- [NMC364H1 Art and Archaeology of Syria](#)
- [NMC366Y1 Archaeology from Alexander to Muhammad](#)
- [NMC369Y1](#)
- [NMC461H1 The History and Archaeology of the Horn of Africa and South Arabia](#)
- [NMC462Y1](#)
- [NMC463H1 Warfare: the Archaeology of Conflict in the Ancient Near East](#)
- [NMC465H1 Ceramic Analysis](#)
- [NMC466H1 Near Eastern Ceramics](#)
- [NMC467H1 Seminar in Egyptian Archaeology I](#)
- [NMC468H1 Seminar in Egyptian Archaeology II](#)
- [NMC246H1 Sumerian and Babylonian Literature in Translation](#)
- [NMC462Y1](#)
- [NMC251H1 Voices from Ancient Egypt](#)
- [NMC252H1 Hebrew Bible](#)
- [NMC253H1 Egyptian Myths](#)
- [NMC259H1 Literature of Ancient and Late Antique Iran](#)
- [NMC351H1 Dead Sea Scrolls](#)

- [NMC450H1 Research Seminar on Ancient Jewish Literature](#)
- [NMC491H1 Mesopotamian Material Culture: Art](#)

Specialist Medieval

- [NMC270H1 Christians of the Middle East](#)
- [NMC273Y1 Early Islamic History: The Prophet and the Caliphates](#)
- [NMC274H1 The Rise of the Turks: From Nomads of the Steppe Frontier to Islamic Rulers](#)
- [NMC275H1 The Mongol Empire and the World It Made](#)
- [NMC277H1 Topics in Near & Middle Eastern Civilizations](#)
- [NMC342H1 History & Sources of Egyptian Monasticism](#)
- [NMC348Y1 History of Iran: From the Sasanians to the Safavids](#)
- [NMC372H1 The Sasanians: Religion, Empire, and Society in Late Antique Iran](#)
- [NMC374H1 The Mamluks: from Slaves to Sultans](#)
- [NMC376H1 History of Islamic Spain and North Africa \(640-1492\)](#)
- [NMC377Y1 The Ottoman Empire to 1800](#)
- [NMC386H1 Muslims, Christians, and Jews in the Ottoman Empire](#)
- [NMC471H1 Advanced Topics in Near and Middle Eastern Civilizations](#)
- [NMC472H1 Theory & Method in Middle East Studies](#)
- [NMC283Y1 Islam: Religion and Civilization](#)
- [NMC285H1 The Quran: Spirit and Form](#)
- [NMC286H1 The Quran: Reading and Transformation](#)
- [NMC289H1 Introduction to Coptic Studies](#)
- [NMC385H1 Introduction to Islamic Law](#)
- [NMC387H1 Islamic Mystical Tradition](#)
- [NMC388H1 Shi'i Islam I](#)
- [NMC481H1 Muslim Gnostics and Mystics](#)
- [NMC484H1 Gender-related Topics in Law and Religion](#)
- [NMC261Y0 Field Archaeology](#)
- [NMC365Y1 Archaeology of the Islamic World](#)
- [NMC367H1 Archaeology & Architecture of Egyptian Monasticism](#)
- [NMC369Y1](#)
- [NMC462Y1](#)
- [NMC465H1 Ceramic Analysis](#)
- [NMC469Y1 Mediaeval Middle Eastern Ceramics](#)
- [NMC255H1 Love, Battle, and Wit: Classics of Premodern Arabic Literature](#)
- [NMC256H1 1001 Nights Around the World](#)
- [NMC258H1 The Book of Kings: Persian Myth, History, and Art](#)
- [NMC350H1 Christian Literature from the Middle East in Translation](#)
- [NMC394H1 Persianate Art & Architecture](#)
- [NMC396Y1 The Islamic City](#)

Specialist Modern

- [NMC241H1 Anthropology of the Middle East](#)
- [NMC270H1 Christians of the Middle East](#)
- [NMC274H1 The Steppe Frontier in Eurasian and Islamic History](#)
- [NMC275H1 The Mongol Empire and the World It Made](#)

- [NMC277H1 Topics in Near & Middle Eastern Civilizations](#)
- [NMC278H1 Introduction to the Modern Middle East](#)
- [NMC348Y1 Iran and Islam](#)
- [NMC355H1 The Ottoman Empire in the Age of Reform, 1808-1918](#)
- [NMC356H1 Anthropology of Islam](#)
- [NMC373H1 Iran in the 20th Century](#)
- [NMC374H1 History of Islamic Egypt](#)
- [NMC377Y1 The Ottoman Empire to 1800](#)
- [NMC378H1 Modern Arab History](#)
- [NMC386H1 Muslims, Christians, and Jews in the Ottoman Empire](#)
- [NMC451H1 Iranian Constitutional Revolution](#)
- [NMC452H1 Iranian Modernity](#)
- [NMC471H1 Advanced Topics in Near and Middle Eastern Civilizations](#)
- [NMC472H1 Theory & Method in Middle East Studies](#)
- [NMC473H1 Intellectuals of the Modern Arab World](#)
- [NMC475H1 Orientalism & Occidentalism](#)
- [NMC476H1 Politics of Archaeology in the Modern Middle East](#)
- [NMC477H1 Modern Turkey](#)
- [NMC478H1 Modern Arab Societies](#)
- [NMC479H1 Nationalism in the Arab World](#)
- [NMC283Y1 Islam: Religion and Civilization](#)
- [NMC284H1 Judaism and Feminism](#)
- [NMC285H1 The Quran: Spirit and Form](#)
- [NMC286H1 The Quran: Reading and Transformation](#)
- [NMC289H1 Introduction to Coptic Studies](#)
- [NMC381H1 Modern Islamic Thought](#)
- [NMC381H1 Modern Islamic Thought](#)
- [NMC384H1 Life Cycle and Personal Status in Judaism](#)
- [NMC385H1 Introduction to Islamic Law](#)
- [NMC387H1 Islamic Mystical Tradition](#)
- [NMC389H1 Shi'i Islam II](#)
- [NMC481H1 Muslim Gnostics and Mystics](#)
- [NMC484H1 Gender-related Topics in Law and Religion](#)
- [NMC261Y0 Field Archaeology](#)
- [NMC367H1 Archaeology & Architecture of Egyptian Monasticism](#)
- [NMC368H1 Coptic Art & Archaeology](#)
- [NMC369Y1 Archaeological Materials and Industries](#)
- [NMC462Y1 Polarized-light Microscopy in Archaeology](#)
- [NMC465H1 Ceramic Analysis](#)
- [NMC257H1 Modern Turkish Literature](#)
- [NMC259H1 Literature of Ancient and Late Antique Iran](#)
- [NMC392H1 The Taj Mahal and Its Origins](#)
- [NMC394H1 Persianate Art & Architecture](#)
- [NMC496H1 Independent Studies](#)

expression and offer myriad directions in which to take the study of a foreign language.

Successful study of these languages demonstrates intelligence, discipline, analytical sophistication, and an excellent memory. In each language the Language Citation recognizes a significant level of achievement in language study with a high level of academic success.

For details on the languages available for Citation and detailed requirements, contact the department directly.

Students should note that the Language Citation is not equivalent to an academic program and that enrolment in a program is not necessary in order to earn the recognition bestowed by the Citation.

Regarding Near and Middle Eastern Civilizations Courses

Gateway Courses

These courses are designed to introduce students to the major civilizations and cultures of the Near and Middle East, ancient, medieval, and modern, and to present students with the range of possibilities for further study in their chosen areas of interest.

Language Courses

The Department reserves the right to place students in the course level best suited to their linguistic preparation.

Near and Middle Eastern Civilizations Courses

NMC196H1 - Law and Order in the Ancient Near East

Hours: 24S

Are human beings basically evil or good? What creates order in society? Coercion? Religion? Can societies operate without law? This course explores different systems of authority and control through ancient texts, focusing on the very first ideas of law in human history. We examine actual law codes, court cases on real estate disputes and conspiracy to commit murder and rape, as well as alternative means of regulating communities such as ideology, ritual and magic. While most courses on ancient law approach the topic from the perspective of modern concerns, this course situates the first law in its own historical, social and political context. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Faculty of Arts & Science Language Citation

The Department of Near & Middle Eastern Civilizations participates in the Faculty of Arts & Science's Language Citation initiative.

The study of Ancient languages is a demanding and intellectually rewarding educational experience that makes available to the modern student the rich resources of classical texts in the original languages. The "living" languages offered by NMC provide invaluable insights into the varieties of human culture and

NMC197H1 - Myth and History in the Bible**Hours:** 24S

Reading the Bible is easy, but reading it well isn't. Should we read its stories as history? All of it? Or perhaps only part of it? If so, which parts? And if some parts aren't meant to be read as history, then what are they? Was Jonah really swallowed by a large fish? Did the sun and moon stand still for Joshua? Did Moses really part the Red Sea? Did Jesus really raise Lazarus from the dead? Are miracles necessarily fiction? In this seminar, we will read together many of the most colourful stories of the Bible, sometimes alongside similar stories from the cultural context of ancient Israel, and discuss what genre (history, myth, legend, folktale) they belong to and how this affects our reading of these texts. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NMC198H1 - Iranian Women Reveal their Lives: the First Generation****Hours:** 24S

The narrative of women speaking out begins in Iran in the first decades of the 20th century. In this course, we will look at an early generation of educated Iranian females who although from varied backgrounds have a common desire to make their lives public. We will refer to a mix of sources including memoirs, interviews and poems to explore how feminist aspirations are repressed or expressed in a society dominated by patriarchal values. We will analyse how a woman's childhood experience affects her personal expectations for the future and whether the cultural environment restricted this generation or encouraged women to make a social contribution. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NMC199H1 - Babylon: Fact vs. Fiction****Hours:** 24S

The ancient city of Babylon, now a vast archaeological site in Iraq about 100km south of Baghdad, has captured people's imagination up to this day. Who has not heard of the Hanging Gardens of Babylon, the Biblical Tower of Babel, or the sci-fi TV series Babylon 5? Yet, how much of that reflects the reality of ancient Babylon? This course will explore the city of Babylon through its texts and archaeology and contrast this data with the way the city has been remembered over the past two thousand years. However, the goal of the course is not only to investigate how myths about Babylon have been constructed throughout the centuries. It will also look at the shortcomings of contemporary academic research on Babylon, and how difficult it is to reconstruct humankind's distant past. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NMC243H1 - The Arabic Novel****Hours:** 24L

Focuses on the origins and development of the novel genre in the Arabic tradition. Examines the aesthetic qualities of the genre as an artistic form and the ways that it has depicted and intervened in the modern social, political, and cultural upheavals that have shaped the Arab world in the 20th century. Readings of novels and criticism in English.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NMC265H1 - Archaeology in War Zones: Syria, Iraq, Afghanistan****Hours:** 24L

Focusing on Syria, Iraq and Afghanistan, this course raises some controversial issues in coming to grips with the impact of war on retrieving, interpreting, and preserving the past. Find out the many ways we can work to preserve the history and culture of places at risk, now and in the future.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

NMC266H1 - Archaeologies of Power**Hours:** 24L

What does archaeological evidence tell us about political and social power? Explore the origins and rise of leadership in the Near East from the Neolithic period to the famous kings and military commanders of Sumer, Assyria and Babylon.

Recommended Preparation: NMC102H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML415H1 - The Arabic Short Story****Hours:** 24S

Examines the modern Arabic short story as a literary genre by reading selected works of major figures in the genre, including Yusif Idris, Zakariyya Tamir, Tawfiq al-Hakim, Alifa Rifaat, Ghada al-Samman, and Fu'ad al-Taklari. Readings focus on the development and evolution of language, style, and form.

Prerequisite: NML310Y1 (third-year Arabic) or permission of the instructor.**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NMC358H1 - Gender and Sexuality in Modern Arabic Literature****Hours:** 24L

Examines questions of gender and sexuality in modern Arabic literature from the colonial period to the present through readings of literary and cultural texts, including novels and essays. Focuses on intersections of Arab feminist thought and literary and artistic constructions of gender and sexuality. Taught in English.

Prerequisite: 3 FCEs in Humanities**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**Gateway Courses****NMC101H1 - Land of the Pharaohs****Hours:** 24L/12T

The course traces the history of ancient Egypt from the foundation of the Egyptian state around 3050 BCE to its incorporation into the Roman Empire. The focus is on various aspects of Egyptian culture, including the institution of kingship, the role of women, and the peculiarities of Egyptian art, literature, and religion. Emphasis is placed on the methods by which knowledge about this ancient civilization can be obtained.

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)**NMC102H1 - Heartland of Ancient Empires****Hours:** 24L/12T

From city state to empire. The peoples and polities of Mesopotamia and the Near East, including Sumerians, Assyrians, Babylonians, and Persians. Their cultural contributions, from the development of writing to their achievements in law, administration, science, art and architecture, religion, and literature.

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)**NMC398Y0 - Research Excursions****Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**NMC474H1 - The Archaeology of Death****Hours:** 36S

This is an intensive education in the archaeology of death. Working as a study group, the participants in this class will examine in detail the primary archaeological data for mortuary practices in the third millennium in the Big Bend region of the Euphrates River.

Prerequisite: ANT200Y1 or NMC260H1 or NMC262H1**Recommended Preparation:** ANT334H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

NMC103H1 - The Islamic World**Hours:** 24L/12T

What makes a certain thing (a state, art, law) *Islamic*? When and how did what we think about as the Islamic today come about? How has “the Islamic” changed over time? With these questions in mind, this course introduces students to major peoples, events, intellectual currents, and institutions in Islamic history.

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)**NMC242H1 - Rebels, Misfits, and Outcasts in Modern Arabic Literature****Hours:** 36S

Examines modern Arabic literary works that portray marginalized social figures and groups, including the criminal, the urban poor, the peasantry, the delinquent, the prostitute, and the political outcast. Explores issues such as political violence, marginality, precarity, social reform and social exclusion.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NMC104H1 - The Biblical World****Hours:** 24L/12T

Examine the history, lands, peoples, religions, literatures and cultures that produced the Hebrew Bible/Old Testament. Topics to be covered include an overview of the geography and history of Ancient Israel and Judea, the role of the Hebrew, Aramaic, and Greek languages, the literary genres reflected in biblical and some contemporary non-biblical texts, and the scholarly methods by which the Bible is studied.

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)**NMC245H1 - Women in the Ancient Near East****Hours:** 24L

The course examines written and archaeological sources to discuss the status and role of women in the ancient Near East, focusing in particular on the first millennium BCE.

Recommended Preparation: NMC101H1, NMC102H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**NMC246H1 - Sumerian and Babylonian Literature in Translation****Hours:** 24L

This course explores some of the world’s oldest literature, including the Epic of Gilgamesh and the Babylonian Epic of Creation. It surveys the major genres from ancient Mesopotamia, including epics, myths, lyrical poetry, wisdom literature, and humorous tales.

Recommended Preparation: NMC102H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**Culture and Civilization Courses****NMC241H1 - Anthropology of the Middle East****Hours:** 24L

This course offers an introduction to the contemporary Middle East from an anthropological perspective. Topics will include gender, kinship, religion, modernity, popular culture, and the study of everyday life.

Exclusion: RLG355H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)

NMC247H1 - The Intellectual History of the Ancient Near East

Hours: 24L

Survey of the intellectual life in the Ancient Near East from the emergence of writing in Mesopotamia and Egypt at the end of the third millennium BCE until the Hellenistic and Roman periods. Covers issues of orality vs. literacy, state and scribal control, notions of progress, origins and purpose of knowledge, as well as areas such as taxonomy of the natural world, astronomy, mathematics, medicine, divination.

Recommended Preparation: NMC101H1, NMC102H1, or NMC104H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

NMC248H1 - Ancient Bureaucracies

Hours: 24L

A survey course on the evolution of bureaucracies in the ancient Near East (Iraq, Iran, Syria, Turkey, the Levant) and Egypt. Covering the period from 9,000 to 600 B.C.E., the course will track the development from simple storage and accounting procedures in Neolithic villages to administrative complexities in urban settings, leading to the advent of writing systems.

Prerequisite: None

Corequisite: None

Exclusion: None

Recommended Preparation: NMC102H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

NMC251H1 - Voices from Ancient Egypt

Hours: 24L

Introduces students to the culture of ancient Egypt through the study of 'functional' textual materials, including domestic, religious (including funerary and ritual), historical, and scientific texts, to paint a rich picture of the daily life and experiences of the ancient Egyptians. No knowledge of Egyptian required; all texts read in translation.

Recommended Preparation: NMC101H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NMC252H1 - Hebrew Bible

Hours: 24L

An introduction to the critical study of the Hebrew Bible/Old Testament and the related literature of ancient Jewish communities (Apocrypha, Pseudepigrapha, Dead Sea Scrolls). English translations used; no knowledge of Hebrew is required. (Offered alternate years)

Recommended Preparation: NMC104H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NMC253H1 - Egyptian Myths

Hours: 24L

Explores Egyptian mythical writings, starting with the myths contained in the Pyramid Texts of the 3rd Millennium BCE and ending with the narrative mythical tales of the 1st Millennium BCE and beyond. Definitions and historical developments will be discussed. All texts will be read in translation.

Recommended Preparation: NMC101H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NMC254H1 - The Mummy: Technology and Transformation

Hours: 24L

This course explores the significance of mummies in contexts ranging from ancient Egyptian to modern, tracing the development of Egyptian mummification techniques and the roles and uses of mummies as transformative elements allowing access to the afterlife, sources of information about ancient individuals, characters in literature and film, and objects for display in museums.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

NMC255H1 - Love, Battle, and Wit: Classics of Premodern Arabic Literature

Hours: 24L

Students read closely classic works in translation, through class discussion, in-class exercises, and short essays. Readings include: narratives like Kalila wa-Dimna and Ibn Hazm's love treatise; poems by Labid, Jarir, Abu Nuwas, al-Mutanabbi, and Ibn Nubata; and an obscene shadow play by Ibn Daniyal.

Recommended Preparation: 1 FCE in Humanities.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NMC258H1 - The Book of Kings: Persian Myth, History, and Art

Hours: 24L

The Persian Book of Kings, or Shahnameh, composed in the 11th century by Ferdowsi, is the most important book in Iranian national culture and one of the great works of world literature. The course examines the book's presentation of the history of the pre-Islamic kings of Iran, the exploits of Iran's heroes, and the myths and legends of ancient Iran, which were frequently illustrated in manuscript copies over the centuries.

Recommended Preparation: NMC103H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NMC256H1 - 1001 Nights Around the World

Hours: 24L

Reveals how the 1001 Nights was created, transformed, and disseminated. We consider the politics and aesthetics of medieval and modern adaptations - manuscripts, films, ballet, novels, and short stories produced around the world. Builds toward a final project -- either a creative project or an essay.

Recommended Preparation: 1 FCE in Humanities

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NMC259H1 - Literature of Ancient and Late Antique Iran

Hours: 24L

This course explores the shared world of myth and ritual between Zoroastrianism and Hinduism and examines the contours of early Iranian thought. The course will survey mythoepic literature in translation from the archaic Avesta through the late antique Middle Persian (Pahlavi) corpus. The course will include a broad introduction to ancient and late antique Iran.

Prerequisite: None

Recommended Preparation: NMC102H1 or NMC103H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NMC257H1 - Modern Turkish Literature

Hours: 24L

An introduction to the history and culture of modern Turkey through readings of modern Turkish literature in translation. Topics such as cultural revolution, migration, identity and gender, production and transmission of literature in today's literary market will be discussed. Readings will include a variety of genres, notably the short story, poetry, and the novel.

Recommended Preparation: NMC103H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NMC260H1 - Why the Ancient Near East? Investigating the Great Transformations in Pre- and Proto-History

Hours: 36L

This is an experiential course that asks what it would have been like for people in the ancient Near East as their world underwent the profound changes wrought by domestication, farming, urbanism, and state formation. We focus on the sensory experiences of the body, and their effect upon the mind, by reconstructing and using spaces and objects that have come to define the archaeological periods from 10,000 to 2500 BCE. From circular communal buildings and the constraints and possibilities they offer, to replastering skulls and making hand-held figurines, to the performance of a ritual text, we link traditional teaching with walking a mile in ancient footwear. Participation in this course requires an active imagination and a willingness to get physical.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

NMC261Y0 - Field Archaeology**Hours:** TBA

Participation for 4 - 7 weeks during the summer in an approved archaeological excavation in the eastern Mediterranean/Middle East. This experience is then critiqued in a previously assigned essay researched and written under guidance upon return. Departmental permission is required in December-February prior to the fieldwork. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NMC262H1 - Why the Ancient Near East? The Historic Periods****Hours:** 36L

From 2500 to 333 BCE, the ancient Near East saw the world's first empire, the birth of international diplomacy, burgeoning sea-trade and piracy, perennial warfare and the emergence of new ethnic identities like the Philistines and Israelites. Explore the archaeological evidence for these events in Mesopotamia, Egypt, Anatolia and the Levant.

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)**NMC263H1 - The Archaeology of Gods, Ghosts, Witches and Demons****Hours:** 24L

This class investigates archaeological traces of human interaction with the supernatural world in the ancient Near East, including figurines, temples, skulls, statues, and cylinder seals. In order to contextualize different ways of thinking about other worlds, we also look at cross-cultural comparisons ranging from Africa to the Americas.

Prerequisite: None**Corequisite:** None**Exclusion:** None**Recommended Preparation:** NMC102H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**NMC264H1 - The Archaeology of Stuff****Previous Course Number:** NMC369Y1**Hours:** 24L

Discover how the structure of animal skin enables the making of leather and tattoos; why mighty kings boasted about tree-cutting expeditions; how chariots, stirrups, and gunpowder changed the very structure of contemporary societies; why spears are better than swords. Understand and appreciate the materials in the world around you.

Exclusion: NMC369Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NMC270H1 - Christians of the Middle East****Hours:** 24L

The course will introduce students to the Christian communities living in the Middle East since the distant past, identified by ecclesiastical and or ethnic terms, including Armenian, Copt, Greek-Melkite, Maronite, and Syriac. The course will discuss the plurality of their cultural, literary, and theological traditions, the social and intellectual roles of their monasteries, the contributions of their top religious authorities in diplomacy between Byzantium and the Sassanians, their position in the Islamic world and contributions to Islamic culture, philosophy, sciences, and theology, interreligious dialogues and polemics with Islam. (Offered in alternate years)

Recommended Preparation: NMC102H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**NMC273Y1 - Early Islamic History: The Prophet and the Caliphates****Hours:** 72L

Builds a solid foundation in Middle East & Islamic Studies, giving students an understanding of major themes and events, movements and individuals in early Islamic history and an awareness of the tools and sources available for study, problems historians have encountered in using them, and interpretive approaches to these sources.

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)

NMC274H1 - The Rise of the Turks: From Nomads of the Steppe Frontier to Islamic Rulers

Hours: 24L

Explores the roles of Turks as raiders, migrants, slave-soldiers, and empire-builders in the formation of the Islamic world prior to the Ottomans (1300). Readings include primary sources in translation on the Islamization of the Turks in Central Asia and their gradual takeover of Iranian and Arab lands.

Exclusion: NMC274Y1

Recommended Preparation: NMC103H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

NMC275H1 - The Mongol Empire and the World It Made

Hours: 24L

The rise of the Mongols and creation of their world empire and its role in the making of the modern world. Political, military, cultural, and economic aspects of the formation and disintegration of the largest land empire in world history (1200-1800).

Exclusion: NMC274Y1

Recommended Preparation: NMC103H1, NMC274H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

NMC276H1 - Topics in Near & Middle Eastern Civilizations

Hours: TBA

Topics vary from year to year, depending on instructor.

Distribution Requirements: Humanities

NMC277H1 - Topics in Near & Middle Eastern Civilizations

Hours: TBA

Topics vary from year to year, depending on instructor.

Distribution Requirements: Humanities

NMC278H1 - Introduction to the Modern Middle East

Hours: 36L

The emergence of modern states in the Middle East, against a background of empire, world wars, and national and religious movements. Students will learn why the modern map looks the way it does, and how Middle Eastern peoples' self-identifications have changed over the past 200 years.

Recommended Preparation: NMC103H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

NMC283Y1 - Islam: Religion and Civilization

Hours: 48L

The period of time covered by the course is from shortly before the birth of Islam in the 7th century to the present: God, Prophethood, Holy Book, Community, the Individual, the Shari'a, the mystical tradition, art and science, social institutions, family life, women in Islam, modernity and the impact of the West. Lectures, assignments and workshops will be framed by the close identification between "religion" and "civilization".

Exclusion: RLG204Y1, RLG204H1

Recommended Preparation: NMC103H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NMC284H1 - Topics in Judaism and Feminism: Conflict, Competition, Complement

Hours: 24L

Explores the interaction between Jewish religious and secular movements and feminism, focusing on conflicts between Jewish law (*halakhah*) and ideas of egalitarianism, particularly in legal disabilities for women connected to marriage and divorce, lack of access to high-level Torah study, and discrimination in public religious roles. Examines competition among the movements to include women in Torah study has led to, and the extent to which inclusion and egalitarianism have become a complement in Judaism. (Offered in alternate years, topic changes)

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

NMC285H1 - The Quran: Spirit and Form**Hours:** 24L

Concern is mainly with the sacred character of the Quran (koran), its preeminence in Islam. Topics include: the idea of the sacred book, the Quran and the Bible, the influence of the Quran on Islamic spirituality, literature, theology, law, philosophy, and the various approaches taken in interpreting the Quran. Knowledge of Arabic is not required. (Offered in alternate years)

Exclusion: RLG351H1**Recommended Preparation:** NMC283Y1/ RLG204Y1/ RLG204H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**NMC315H1 - The Structure of Arabic Language****Previous Course Number:** NML315H1**Hours:** TBA

This course investigates formal properties of Arabic language. It provides students with an in-depth knowledge of the grammar of the language focussing on the areas of phonetics, phonology, morphology, syntax, and the interaction between phonology and morphology.

Prerequisite: NML210Y1 or LIN100Y1, or permission of the instructor**Exclusion:** NML315H1**Recommended Preparation:** LIN229H1, LIN232H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NMC286H1 - The Quran: Reading and Transformation****Hours:** 24L

This course is a continuation of NMC285H1. Students will be required to engage directly with the text in English or French translation, to discuss and write on major and minor quranic topics and themes and to study the works of other astute readers of the text. Arabic is not required or expected.

Exclusion: RLG351H1**Recommended Preparation:** NMC283Y1/ NMC285H1/ RLG204Y1/ RLG204H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**NMC316H1 - Cultural Encounter in Arabic Narrative****Hours:** 36S

Explores the cultural politics of encounter, narrative, and representation in modern Arabic narrative. Examines literary, historical, anthropological, and visual texts to consider how Arab writers have imagined and documented their cultural and political encounters with difference both in and outside the Arab world.

Prerequisite: 3 FCE in Humanities**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NMC289H1 - Introduction to Coptic Studies****Hours:** 24L

Overview of the history of the Copts from political, religious, social and economic perspectives. Literary and documentary sources will illustrate these different aspects of Coptic Civilization. The focus on Coptic Monasticism will underline the role of monasteries as conservers of the Coptic Orthodox Church tradition.

Distribution Requirements: Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**NMC342H1 - History & Sources of Egyptian Monasticism****Hours:** 24L

Presents an historical overview on the origins of Egyptian monasticism based on written sources. Comparison of written sources with archaeological artifacts reveals the relation between spiritual and material aspects of monastic life. Literary sources produced for different monastic orders -- such as sermons, canons and biographies -- will be studied.

Recommended Preparation: NMC289H1/ NMC368H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)

NMC343H1 - Farmers to Pyramid Builders: Cultural and Political History of Ancient Egypt I

Hours: 24L/12T

Exploration of the primary archaeological, architectural, and inscriptional sources, questioning and analyzing ideas about Egypt's development from farming communities at the dawn of history to an early state that built great pyramids for its kings, collapsed into civil war, and grew to become a colonizing power in the Middle Kingdom.

Prerequisite: 5 FCE in any field or 1 FCE in NMC

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

NMC344H1 - Hyksos Subjects to Empire Builders: Cultural and Political History of Ancient Egypt II

Hours: 24L/12T

Exploration of the primary archaeological, architectural, and inscriptional sources, questioning interpretations and analyzing how Egypt confronted foreign domination and developed into a major empire in the New Kingdom under Thutmose III, Hatshepsut, Akhenaten, and Ramesses II, then fragmented politically in the Third Intermediate Period and ultimately became a colony itself.

Prerequisite: 5 FCE in any field or 1 FCE in NMC

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

NMC346H1 - Ancient Mesopotamia I: Sumerians and Akkadians

Hours: 24L

The political and cultural history of the peoples of ancient South-Western Asia from 3000 BCE to the destruction of Babylon by the Hittites ca. 1600 BCE. (Offered in alternate years)

Prerequisite: 3 FCEs in Humanities

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

NMC347H1 - Ancient Mesopotamia II: Assyrians and Babylonians

Hours: 24L

Traces the political development and cultural history of Mesopotamia, from the territorial states of the Late Bronze Age to the world's first empires in the first millennium BC (Assyria, Babylonia, Achaemenid Persia).

Prerequisite: 3 FCE in Humanities.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

NMC348Y1 - History of Iran: From the Sasanians to the Safavids

Hours: 48L

Examines the political history and cultural legacy of the Sasanian empire and transmission of Persian concepts of kingship, administration, and social organization into Islamic civilization, Perso-Islamic cultural synthesis under the Samanids, the interaction between nomadic and sedentary cultures under the rule of Turkic and Turko-Mongolian dynasties, and the Safavid state.

Prerequisite: Any half-credit course in the history of the ancient or early Islamic world offered by academic units within the Faculty of Arts & Science

Recommended Preparation: NMC273Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

NMC349H1 - The First World Empire: Achaemenid Persia

Hours: 24L

The history and culture of the Achaemenid empire, from its emergence out of the former Elamite kingdom and its rise under Cyrus II in 559 BCE to the reign of Darius III and its fall in 330 BCE. The Persian idea of court and kingship, religion, and organization of the empire will also be investigated.

Prerequisite: NMC102H1

Recommended Preparation: NMC101H1, NMC247H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

NMC350H1 - Christian Literature from the Middle East in Translation

Hours: 24L

Survey of various literary genres from works produced by Armenian, Coptic, Maronite, Melkite, and Syriac authors between the 3rd and the 19th centuries CE. Genres include theology in poetry, biblical commentaries, historiography and chronicles, hagiography, songs and epics, apologetics, and travel accounts.

Prerequisite: NMC270H1

Recommended Preparation: NMC102H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NMC351H1 - Dead Sea Scrolls

Hours: 24L

This course provides an examination of the historical and cultural context in which the Dead Sea Scrolls were authored and copied, the types of writings included in the Scrolls, and the ancient Jewish groups behind these texts. It also discusses the significance of the Scrolls for understanding the textual development of the Hebrew Bible, ancient scriptural interpretation, and the thought world of the Jews during the period that gave birth to both Rabbinic Judaism and early Christianity. No knowledge of Hebrew or Aramaic is required. (Offered alternate years)

Prerequisite: 9 FCEs

Recommended Preparation: NMC104H1 or NMC252H1, or equivalent in another humanities department

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NMC355H1 - The Ottoman Empire in the Age of Reform, 1808-1918

Hours: 24L

The last phase of the Ottoman empire has long been viewed by Orientalists and Middle East nationalists as a period of inevitable decline. More recently, cultural historians of the Middle East have framed the long 19th century as a period of grand reforms - or Tanzimat. This course seeks to critically examine the notions of reform of the state and reform of the individual between Sultan Mahmud II's accession and the defeat of the Ottoman empire in World War I. Focusing largely on Istanbul and the Ottoman capitals political relations with the Arab provinces, we will relate economic, social and intellectual transformations to state laws and policies, Mediterranean capitalism and the rise of sectarianism and nationalism in the Middle East.

Recommended Preparation: NMC278H1, NMC377Y1, NMC378H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

NMC356H1 - Anthropology of Islam

Hours: 24L

Combines theoretical reflections on an anthropology of Islam with ethnographic readings on Muslim practices in communities around the world.

Exclusion: RLG355H1

Recommended Preparation: NMC241H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

NMC357H1 - Gender and Sexuality in Premodern Arabic Literature

Hours: 24S

Students read translations of Arabic literary texts: texts composed by women, and texts that deal with gender, homoeroticism, and sexuality. Class discussion considers debates in the field about how to analyze these texts in their historic context and in a theoretically grounded manner.

Prerequisite: 3 FCE in Humanities.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NMC359H1 - Nomads in the Ancient Near East

Hours: 24L

Using ancient archaeological and textual sources as well as modern ethnographies and political theories, this class takes a critical look at the role of mobile populations in Near Eastern history from the fourth to first millennium BCE, assessing modern perspectives as well as the ancient evidence.

Prerequisite: None

Corequisite: None

Exclusion: None

Recommended Preparation: NMC102H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

NMC360H1 - Archaeology of the Biblical World I: The Bronze Age

Hours: 24L

The archaeology of Syria-Palestine from prehistoric times until the end of the Late Bronze Age (ca. 1200 BCE), with a special emphasis on the development of complex society, and inter-relations with the neighboring regions of Egypt and Syro-Mesopotamia. Attention will also be given to the history of archaeological research in the region, current field techniques and methods of archaeological analysis, and the relationship between archaeological evidence and contemporary written records, including the Hebrew Bible. (Offered in alternate years)

Prerequisite: 1 FCE in Humanities

Recommended Preparation: NMC102H1 or NMC104H1 or NMC260H1 or NMC262H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NMC361H1 - The Archaeology of the Biblical World II: The Iron Age

Hours: 24L

The archaeology of Syria-Palestine from the collapse of the Late Bronze Age until the Persian Period, with a special emphasis on the emergence of Israel and the small territorial nation-states of the eastern Mediterranean seaboard. Particular attention will be given to the relationship between the archaeological evidence and contemporary written records, including the Hebrew Bible. (Offered in alternate years)

Prerequisite: 1 FCE in Humanities

Recommended Preparation: NMC102H1 or NMC104H1 or NMC260H1 or NMC262H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NMC362Y1 - Ancient Egyptian Sites

Hours: 48L

Detailed examination of significant sites for the understanding of ancient Egyptian cultural development, encompassing the study of spatial organization, architecture, artifactual material, and archaeological evidence from each site. (Offered in alternate years)

Prerequisite: NMC343H1 and NMC344H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

NMC363H1 - Ancient Iraq

Hours: 36L

Comprehensive survey class on the archaeology of Mesopotamia (Sumer, Assyria, Babylon) from the Neolithic period to time of Alexander the Great (10,000 – 333 BC). Focuses on the area of modern-day Iraq but also includes western Iran, eastern Syria, and southeastern Turkey.

Prerequisite: NMC102H1

Recommended Preparation: NMC260H1, NMC262H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

NMC364H1 - Art and Archaeology of Syria

Hours: 36S

Discover the wonders of Syria's past, from 10,000 year-old burials to the world heritage sites of Palmyra and the Citadel of Aleppo. Explore headless skeletons, royal marriages, desert castles and Roman streetscapes.

Prerequisite: 3 FCE in any field

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NMC365Y1 - Archaeology of the Islamic World

Hours: 48L

A survey of Islamic archaeology, covering the rise of Islam from 7th century to the end of the Fatimid period in 1171, examining sites in the Middle East, North Africa and Andalusia through the archaeological record, artifacts evidencing history, art history, urbanism and socio-ecology of early Muslim communities.

Prerequisite: NMC103H1

Recommended Preparation: NMC260H1, NMC262H1, NMC273Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

NMC366Y1 - Archaeology from Alexander to Muhammad

Hours: 48L

An overview of late antique Greek, Arab and Persian material culture, as seen through the archaeological record of Syria, Iraq, and Iran.

Prerequisite: NMC101H1, NMC102H1, NMC103H1

Recommended Preparation: NMC260H1, NMC262H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

NMC370H1 - Ancient Israel

Hours: 24L

The political and cultural history of ancient Israel from the origin of the Hebrews to the exile and restoration in the Persian period.
(Offered every 3 years)

Prerequisite: NMC104H1, NMC252H1

Recommended Preparation: NMC101H1, NMC102H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

NMC371H1 - Iran after Alexander

Hours: 24L

The history and culture of ancient Iran in the Seleucid and Parthian periods. Lectures and discussion will engage the complex question of Hellenism in the East and the levels of cultural, religious and political interactions between Greeks and Persians, as well as the formation of the Bactrian kingdom and of the Parthian empire.

Recommended Preparation: NMC102H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NMC367H1 - Archaeology & Architecture of Egyptian Monasticism

Hours: 24L

Underlines the role of some Egyptian monasteries as active institutions carrying out numerous economic activities, and reveals the forces that enabled their survival and changing function. Exploration of these rich sites of cultural exchange, as manifested in their architecture and religious art and written material.

Recommended Preparation: NMC260H1, NMC262H1, NMC342H1, NMC368H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NMC368H1 - Coptic Art & Archaeology

Hours: 24L

A survey of Coptic art, archaeology and architecture. The course will cover aspects of the religious, civil and daily life of the Copts: their houses, religious architecture, funerary monuments, art and artefacts

Recommended Preparation: NMC260H1, NMC262H1, NMC289H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NMC372H1 - The Sasanians: Religion, Empire, and Society in Late Antique Iran

Hours: 36L

An introduction to the religion, culture, and society of the Sasanian Empire (224-651 CE) in late antique Iran. We will discuss the transformation of Zoroastrianism into an official religion of state, the emergence of Manicheism, and Jewish-Zoroastrian interactions. We will end the term by examining the Islamic conquest of Iran.

Prerequisite: None

Corequisite: None

Exclusion: None

Recommended Preparation: NMC349H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

NMC373H1 - Modern Iran**Hours:** 24L

Explores the political, social, and religious history of modern Iran from pre-modern times to the 21st century. After a brief overview of political developments in the 18th century from the fall of the Safavids until the establishment of the Qajar dynasty, we will discuss the Constitutional movement of 1906 and the subsequent establishment of the Pahlavi dynasty, and focus on the Islamic Revolution of 1979 and the making of a modern theocratic state.

Prerequisite: NMC103H1 or permission of the instructor**Exclusion:** NMC451H1 may not be taken in the same year**Recommended Preparation:** NMC278H1, NMC348Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**NMC377Y1 - The Ottoman Empire to 1800****Hours:** 48L

A survey of the Ottoman Empire from its late 13th/early 14th century origins as a border principality through the classical age of Mehmed the Conqueror and Süleyman the Magnificent when as a mature Islamic empire it ruled lands in Europe, Asia, and Africa, to the internal and external challenges faced by the empire during the 17th and 18th centuries when it underwent substantial transformation. Coverage includes topics in Ottoman institutions, economy, society, and culture. (Offered in alternate years)

Prerequisite: NMC273Y1**Exclusion:** NMC377H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**NMC374H1 - The Mamluks: from Slaves to Sultans****Hours:** 24L

Engages with fundamental themes of Islamic civilization that played out in the Mamluk sultanate of Egypt and Syria: slavery, plague, the role of women, military patronage, global trade networks, the emergence of a “discourse” society, science and medicine, material culture and architecture, and the impact of Crusades and Mongol invasions.

Prerequisite: NMC273Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**NMC378H1 - Modern Arab History****Hours:** 36L

A thematic treatment of the Arab lands of the Middle East and North Africa from 1700 onward, focusing on the Ottoman and colonial periods.

Prerequisite: NMC278H1 and permission of instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**NMC376H1 - History of Islamic Spain and North Africa (640-1492)****Hours:** 24L

Muslim conquest of North Africa and Spain, history of Spain under Muslim rule to 1492. Attention given to institutional and cultural development, Islamic Spain's relations with the Islamic east and neighbours in Europe. (Offered every 3 years)

Prerequisite: NMC273Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**NMC380H1 - Religion in the Ancient Near East****Hours:** 48S

Primary sources from Mesopotamia, Syria and the Levant reveal profound awareness of the human condition. What do they tell us about religion in the ancient Near East, and why do Judaism, Christianity and Islam share some stories? Takes a critical approach to the ways we read texts and reconstruct beliefs.

Prerequisite: 3 FCE in any field**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)

NMC381H1 - Modern Islamic Thought**Hours:** 24L

Survey of major intellectual trends in the Islamic tradition, particularly those identified with Middle Eastern Muslim thinkers, from the early 19th century to the present. Topics include reformism, modernism, hermeneutics, feminism, Islamism, and liberal and progressive trends in contemporary Muslim thought. Readings in English translation.

Prerequisite: NMC103H1**Recommended Preparation:** NMC278H1, NMC283Y1, RLG204Y1/RLG204H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**NMC385H1 - Introduction to Islamic Law****Hours:** 24L

The course surveys the history, theory, and doctrines of Islamic law, and addresses issues that are at the center of public debate across the world. Students will closely read primary sources, provide oral and written responses, and reflect on their own positionality viz debates on Islamic law. The course introduces students to the dynamics of Islamic legal reasoning in a historical and comparative perspective.

Prerequisite: NMC283Y1/ RLG204Y1/ RLG204H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**NMC382Y1 - Mummies, Myth and Magic: The Religion of Ancient Egypt****Hours:** 72L

Religious belief and practice in ancient Egypt. The course will focus on gods and mythology, which will be studied through primary sources in translation. (Offered in alternate years)

Prerequisite: NMC101H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**NMC386H1 - Muslims, Christians, and Jews in the Ottoman Empire****Hours:** 24L

This course explores the relations among the various ethno-religious communities in the Ottoman Empire from the 14th century until 1922.

Prerequisite: NMC103H1**Corequisite:** None**Exclusion:** None**Recommended Preparation:** NMC241H1, NMC275H1, NMC278H1, or NMC283Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NMC384H1 - Life Cycle and Personal Status in Judaism****Hours:** 24L

The course explores Jewish attitudes to various personal status issues, utilizing material from biblical and rabbinic sources to modern Jewish positions. The specific topics covered vary from year to year.

Recommended Preparation: NMC104H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**NMC387H1 - Islamic Mystical Tradition****Hours:** 24L

Mysticism and spirituality in Islam: the Quran; doctrine; prayer; Sufism; Irfan (Shii mysticism). Themes include love, knowledge, authority, being, interpretation.

Prerequisite: NMC283Y1/ RLG204Y1/ RLG204H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)

NMC388H1 - Shii Islam I**Hours:** 24L

Subjects covered include the rise and development of the Shii version of Islamic orthodoxy from the mid-7th to the mid-13th centuries CE. Distinctive Shii interpretations of the Quran will be examined.

Prerequisite: NMC283Y1/ RLG204Y1/ RLG204H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**NMC393H1 - Early Islamic Art & Architectures****Hours:** 24L

A survey of the arts of the Islamic world from the 7th century to the Mongol conquest in the mid-13th century. Studying objects in the ROM collections of Islamic art.

Prerequisite: One full course from FAH or NMC in medieval art/history/culture**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NMC389H1 - Shii Islam II****Hours:** 24L

This course continues the study of Shiism from 1258 to the present day and will include the history and teachings of the various members of the Shii family of Islamic religion.

Prerequisite: NMC283Y1/ RLG204Y1/ RLG204H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**NMC394H1 - Persianate Art & Architecture****Hours:** 24L

A continuation of NMC393H1, covering art and material culture in the eastern Islamic lands from the late 13th century CE to the modern period. Studying objects in the ROM collections of Islamic art..

Prerequisite: One full course from FAH or NMC in medieval art/history/culture**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**NMC392H1 - The Taj Mahal and Its Origins****Hours:** 24L

Monumental architecture, whether for secular or religious purposes, played a special role in Muslim societies, particularly in major centres such as Isfahan, Samarkand and Delhi. Beginning with the Taj Mahal (1632) the best-known elements of Islamic architecture the double dome, the pointed arch, glazed tiles are traced retroactively in Iran, Central Asia, and India, and their social context is studied. (Offered every three years)

Prerequisite: One full course in pre-modern history of the Muslim world or Islamic art/material culture; or one full course in pre-modern art history (FAH)**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NMC396Y1 - The Islamic City****Hours:** 24L

Architectural studies, historical sources and archaeological research are used to examine the physical and social morphology of the pre-industrial Islamic city from Central Asia to North Africa and Spain, from the 7th to the 17th centuries.

Prerequisite: One full course in Near Eastern/Islamic art and/or material culture offered by academic units within the Faculty of Arts & Science**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)

NMC446H1 - The Babylonian City**Hours:** 24L

Examines the physical form of the Babylonian city in the first millennium BC as the setting for the daily activities of its inhabitants. The focus is on critical evaluation of archaeological and historical sources, and on investigating the relationship between city form and contemporary social structure.

Prerequisite: 9 FCE in any field**Recommended Preparation:** NMC102H1, NMC346H1/ NMC347H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**NMC449H1 - Mesopotamian Society and Economy****Hours:** 24L

Examines Mesopotamian society and economy from third to first millennium BC, using everyday cuneiform documents in translation. Focuses on the key institutions (palace, temple, private household), tracing their changing organisation and economic role over the course of Mesopotamian history. Examines theoretical approaches to the study of ancient society and economy.

Prerequisite: 9 FCE in any field**Recommended Preparation:** NMC102H1, NMC346H1/ NMC347H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**NMC447H1 - The Neo-Assyrian Empire****Hours:** 24L

Investigates how one of the world's first empires worked. Topics include Assyrian kingship, imperial administration, and daily life as reflected in the written sources (royal inscriptions, official correspondence, and everyday documents) and archaeological evidence.

Prerequisite: 9 FCE in any field**Recommended Preparation:** NMC102H1, NMC346H1/ NMC347H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**NMC450H1 - Research Seminar on Ancient Jewish Literature****Hours:** 24S

A seminar focusing on the critical analysis of the Hebrew Bible and related ancient Jewish texts. Literary genre and critical topics will vary according to instructor's research interests. Focus will be given to developing research skills by working with accepted critical methodologies. Not eligible for CR/NCR option. (Offered every 3 years)

Prerequisite: Permission of the instructor is required.**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NMC448H1 - Alexander and Iran****Hours:** 24S

The history of Persia after the fall of the first Persian empire and its conquest by Alexander the Great in 330 BC. We will discuss the problems of the Greek-Macedonian conquest of Iran and the impact Hellenism had on Iran and the emerging Bactrian kingdom, as well as the different ways Alexander was regarded in the early Islamic traditions.

Prerequisite: NMC102H1**Recommended Preparation:** NMC247H1, NMC349H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**NMC451H1 - Iranian Constitutional Revolution****Hours:** 24S

Explores competing narratives of the Constitutional Revolution (1906-1911), particularly the transformation of public and private spheres and their corresponding modes of collective and personal self-presentation. Students explore revolutionary legacies, and the ways in which competing political, religious and ideological forces have attempted to shape the Revolution's memory. (Offered in alternate years)

Prerequisite: NMC278H1/ NMC348Y1/ NMC373H1**Exclusion:** NMC373H1 may not be taken in the same year**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)

NMC452H1 - Iranian Modernity**Hours:** 36S

This course explores competing conceptions of Iranian modernity within a comparative historical framework on “multiple modernities.” A major theme is the exploration of the temporality and historicity in discussions of Iranian modernity.

Prerequisite: Permission of instructor**Corequisite:** None**Exclusion:** None**Recommended Preparation:** None**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NMC464H1 - The Archaeology of Stuff at the ROM****Previous Course Number:** NMC369Y1**Hours:** 36P

Hands-on analysis of actual materials from the Middle and Near East, including Egypt, Iraq, Iran, Syria, and Turkey. Students learn the techniques by which archaeologists understand objects from the past: what they are made of, how they were made, and what they reveal about the people who made them.

Prerequisite: NMC264H1**Exclusion:** NMC369Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NMC461H1 - The History and Archaeology of the Horn of Africa and South Arabia****Previous Course Number:** NMC461Y1**Hours:** 24S

The cultures of the Horn of Africa and South West Arabia, separated by the Red Sea, have long been intertwined. This course explores the history and archaeology from the emergence of the hominids in Ethiopia, to the rise of the Sabeans and Axumite kingdoms, until the Middle Ages, highlighting their interactions and the roles they played in the development of their respected cultures.

Prerequisite: NMC260H1 or NMC262H1**Exclusion:** NMC461Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**NMC465H1 - Ceramic Analysis****Hours:** 6P/24S

A survey of methods of classification and analysis (form, fabric and style) involved in the study of archaeological ceramics, and the use of ceramics to infer patterns of production, distribution, and social organization; linking research questions with appropriate analytical techniques.

Prerequisite: 9 FCEs in any field**Distribution Requirements:** Social Science**Breadth Requirements:** Creative and Cultural Representations (1)**NMC466H1 - Near Eastern Ceramics****Hours:** 6P/24S

An introduction to the basic corpus of Near Eastern ceramics, from the invention of pottery production in the Neolithic until the Persian period, utilizing existing collections at the University and in the Royal Ontario Museum.

Prerequisite: 9 FCEs in any field**Recommended Preparation:** ARH312Y1 or NMC264H1 or NMC360H1 or NMC361H1 or NMC464H1 or NMC465H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NMC463H1 - Warfare: the Archaeology of Conflict in the Ancient Near East****Hours:** 36S

A seminar on warfare in the ancient Near East (10,000 – 333 BC) using archaeological data and historical sources. Topic to be covered include origins of conflict, armies and weapons, siege techniques, urban combat, and of war.

Prerequisite: NMC260Y**Recommended Preparation:** NMC102H, NMC363H**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)

NMC467H1 - Seminar in Egyptian Archaeology I

Hours: 24S

Seminar focuses on the social and cultural development of Egypt from the Predynastic Period through the Middle Kingdom, engaging with major theories regarding social complexity, state formation, urbanism, social organization, and regionalism. An independent research project and hands-on experience with artifacts at the ROM are important features of the course. (Offered every 3 years.)

Prerequisite: NMC101H1 or NMC343H1 or permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NMC468H1 - Seminar in Egyptian Archaeology II

Hours: 24S

Seminar focuses on the social and cultural development of Egypt from the Middle Kingdom through the Ptolemaic Period, engaging with major theories regarding urbanism, ethnicity, core-periphery relationships, cultural interaction, and social organization. An independent research project and hands-on experience with artifacts at the ROM are important features of the course. (Offered every 3 years.)

Prerequisite: NMC101H1 or NMC344H1 or permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NMC469Y1 - Mediaeval Middle Eastern Ceramics

Hours: 72S

An introduction to the ceramics of the Middle or Near East from the time of Alexander until recent times. A particular emphasis will be the elite glazed wares of the mediaeval and Islamic periods. Apart from providing a history of the production of ceramics and their social and archaeological context, this course is intended to train archaeologists and art-historians in the fundamental field recognition and identification of the various types and their production origins, and the course will rely heavily on the collections of the ROM.

Prerequisite: NMC260H1, NMC262H1, and at least one other half-credit 300- or 400-level course in archaeological materials

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

NMC471H1 - Advanced Topics in Near and Middle Eastern Civilizations

Hours: 24S

An advanced seminar organized around readings on a topic selected by the instructor.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

NMC472H1 - Theory & Method in Middle East Studies

Hours: 24S

Examines current theoretical and methodological trends in the study of the Near/Middle East. A seminar course, it consists of presentations, discussions, lectures, guest speakers, and documentaries. No previous knowledge of methodology required. Special attention will be paid to the politics, culture, political economy, gender, and ethics of various research practices. Intended for 4th year students only.

Prerequisite: Permission of the instructor

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

NMC473H1 - Intellectuals of the Modern Arab World

Hours: 24S

The course is designed to re-examine the role of intellectuals in the Arab world and political events that shaped their thinking. It introduces the life and thought of some leading thinkers of the Arab world and relates their thought to the lived experience of political, social, economic and cultural change in the Middle East. Intended for upper year students. (Offered in alternate years)

Prerequisite: NML410Y1 or fluency in Arabic and 1 FCE from NMC278H1, NMC377Y1, NMC378H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

NMC475H1 - Orientalism & Occidentalism**Hours:** 24S

This course probes the contemporaneous formation of modern Oriental Studies in Europe and the emergence of discourses on Europe (Ifranj/Farang) in the Middle East from the eighteenth century to the present. Special emphasis will be devoted to encounters between scholars in Western Europe, Iran, India, and the Ottoman Empire. This seminar-style course explains that Orientals gazed and returned the gaze, and in the process of cultural looking, they, like their Occidental counterparts, exoticized and eroticized the Farangi-Other. In the interplay of looks between Orientals and Occidentals, there was no steady position of spectatorship, no objective observer, and no aperspectival position. Intended for upper year students.

Prerequisite: Permission of the instructor.**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**NMC476H1 - Politics of Archaeology in the Modern Middle East****Hours:** 24S

This course examines the role nineteenth and twentieth-century archaeology played in Middle Eastern politics, the culture of colonialism and in nationalist struggles. The course will first familiarize the students with the diplomatic and intellectual context of the formation of archaeology as a field of study in Europe and analyse the role archaeology played in the production of knowledge about the Middle East. Next, the course will examine the archaeological practices on the ground (and underground) and inquire what happens in the contact zone between foreign and local archaeologists. Finally, we will trace the ways in which emergent nationalist discourse challenge, appropriate and imitate the historical narratives of Western archaeology.

Prerequisite: Permission of instructor is required.**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**NMC477H1 - Modern Turkey****Hours:** 24L

This seminar examines the history and politics of Turkey since 1923. It explores issues such as the Ottoman roots of Turkey's early leadership, the establishment of the republic, Ataturk's reforms and legacy, internal political and social transformations, and the country's changing geopolitical role. The course also explores some aspects of Turkish literature and culture. No knowledge of Turkish is required.

Prerequisite: NMC278H1**Recommended Preparation:** NMC274Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**NMC478H1 - Modern Arab Societies****Hours:** 24S

A seminar built around thematic readings of social and economic history of the modern Arab world. Offered every other year.

Prerequisite: NMC378H1 and permission of instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**NMC479H1 - Nationalism in the Arab World****Hours:** 24S

A seminar that critically examines the types and varieties of national expression in Arab societies of the Middle East and North Africa, through a reading of common texts and students' individual research projects. (Offered in alternate years)

Prerequisite: NMC378H1 and permission of instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**NMC481H1 - Muslim Gnostics and Mystics****Hours:** 24L

This course will present for study a different prominent figure each year: Hallaj, Ghazali, Suhrawardi, Ibn Arabi, Rumi, Mulla Sadra, and so on. Attention will be given to their respective social and historical milieux, their modes of expression and experience, and the nature of their literary productions. There is no prerequisite, but students must be advanced undergraduates in the Humanities.

Prerequisite: Permission of instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**NMC484H1 - Gender-related Topics in Law and Religion****Hours:** 36L

Abortion, rape, family violence and similar topics from the perspective of historical and legal development, scientific theory, socio-ethical attitudes and anthropological comparison in the Bible and other ancient Near Eastern sources, through Jewish legal texts to modern responses. (Offered in alternate years)

Prerequisite: Permission of instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)

NMC491H1 - Mesopotamian Material Culture: Art

Hours: 24S

This course focuses on a comprehensive introduction and discussion of Mesopotamian artwork from the Neolithic to the Iron Age periods (ca. 6000 - 300 BCE). Following an introduction of major artifact classes (including sculpture, relief, and glyptics [seals and sealings]), students will learn to describe and catalogue works of Mesopotamian art, allowing them to critically use and evaluate primary and secondary publications. Systematic descriptions and labels for key characteristics such as the object materials, size, iconography, genre, style, and theme will be established to show how meaningful artifact typologies can be constructed. The potential as well as limitations of art-historical approaches for archaeological work, especially for the chronology and interpretation of archeological contexts, will be discussed and examined on selected cases. Several classes will be taught at the Royal Ontario Museum to demonstrate the handling and physical analysis of artifacts.

Prerequisite: Permission of the instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Research Courses

NMC299Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

NMC399Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

NMC462H1 - Polarized-light Microscopy in Archaeology I: Foundations

Hours: 24L/24P

Provides students with training in the use of polarized-light microscopy in the examination of archaeological materials, particularly pottery (ceramic petrology). Students will apply the knowledge they gain from lectures to hands-on work with materials in the lab, covering instruction in crystallography, optics, mineralogy, lithology, and other aspects of the petrology of ceramics and other materials. Labs comprise eight three-hour sessions during the term, working with the polarized-light microscope to examine and analyze thin-sections. No prior knowledge of geology is required.

Prerequisite: NMC264H1 or permission of the instructor.

Exclusion: NMC462Y1

Distribution Requirements: Social Science

Breadth Requirements: The Physical and Mathematical Universes (5)

NMC470H1 - Polarized-light Microscopy in Archaeology II: Applications

Previous Course Number: NMC462Y1

Hours: 24L/24P

Explores further applications of polarized-light microscopy in the examination of archaeological materials, particularly pottery (ceramic petrology). The focus is on seminal case-studies of materials from around the world, and in particular on material from the Middle East, Central America, and East Asia that UofT researchers have studied, ranging in date from Neolithic to modern. Labs comprise eight three-hour sessions during the term, working with the polarized-light microscope to examine and analyze thin-sections. No prior knowledge of geology is required.

Prerequisite: NMC462H1

Exclusion: NMC462Y1

Distribution Requirements: Social Science

Breadth Requirements: The Physical and Mathematical Universes (5)

NMC495Y1 - Independent Studies

Hours: TBA

Open only when an NMC full-time faculty member is willing and available to supervise. Student must find an appropriate NMC supervisor for the desired topic and obtain the approval of the departmental Associate Chair/Undergraduate Coordinator. Obtain details and a course form from the Department Undergraduate Administrator. Not eligible for CR/NCR option.

Prerequisite: Permission of Department

Distribution Requirements: Humanities

NMC496H1 - Independent Studies**Hours:** TBA

Open only when an NMC full-time faculty member is willing and available to supervise. Student must find an appropriate NMC supervisor for the desired topic and obtain the approval of the departmental Associate Chair/Undergraduate Coordinator. Obtain details and a course form from the Department Undergraduate Administrator. Not eligible for CR/NCR option. Not eligible for CR/NCR option.

Prerequisite: Permission of Department**Distribution Requirements:** Humanities**NMC497H1 - Independent Studies****Hours:** TBA

Open only when an NMC full-time faculty member is willing and available to supervise. Student must find an appropriate NMC supervisor for the desired topic and obtain the approval of the departmental Associate Chair/Undergraduate Coordinator. Obtain details and a course form from the Department Undergraduate Administrator. Not eligible for CR/NCR option. Not eligible for CR/NCR option.

Prerequisite: Permission of Department**Distribution Requirements:** Humanities**NMC499Y1 - Senior Thesis****Hours:** TBA

A 40-60 page (15,000-20,000 word) research paper (100% of the final mark) written under the supervision of a full-time NMC faculty member. Not eligible for CR/NCR option.

Prerequisite: 4th year status in NMC Specialist program; supervisor's approval; departmental approval.**Exclusion:** NMC495Y1/ NMC496H1/ NMC497H1 may not be taken in the same session**Distribution Requirements:** Humanities**Language Courses****NMC352H1 - Ancient Egyptian Literature****Hours:** 24L

Focuses on analysis of examples of the different genres of ancient Egyptian literary texts, including wisdom literature, poetry, literary narratives, and mythical tales. We question how to define literature and discuss how literary texts developed in pharaonic Egypt. No knowledge of ancient Egyptian is required; all texts read in translation.

Prerequisite: Any H course (0.5 FCE) on ancient Egypt offered by academic units within the Faculty of Arts & Science**Recommended Preparation:** NMC101H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NMC353H1 - Possible Worlds: Arabic Speculative Fiction****Hours:** 24S

Arabic speculative fiction from the medieval to the modern period, discussed with attention to early Arabic novel's adaptation of the medieval maqama genre, and the relation between speculative fiction and political and social critique. Texts include al-Ma'ari, Ibn Shuhayd, maqamat, al-Muwaylihi, science fiction, and dystopic novels and conceptual art.

Prerequisite: 4 FCE in Humanities**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML110Y1 - Elementary Standard Arabic****Hours:** 96L/24P

This course is designed for students with no prior knowledge of Arabic. It places equal emphasis on the development of all language skills: reading, writing, listening, and speaking. The learning philosophy underlying this approach is that proficiency in a foreign language is best achieved through consistent, deliberate, and systematic practice. From the outset, students are strongly encouraged to develop the habit of consistently practicing learned material.

Prerequisite: Priority enrollment will be given to declared NMC majors/specialists.**Exclusion:** Native speakers/ NML210Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

NML155H1 - Elementary Modern Hebrew I**Hours:** 48LSee MHB155H1 in [Religion](#).**NML156H1 - Elementary Modern Hebrew II****Hours:** 48LSee MHB156H1 in [Religion](#).**NML210Y1 - Intermediate Standard Arabic I****Previous Course Number:** NML211Y1**Hours:** 96L/24P

This course assumes active knowledge of the content covered in NML110Y. It places equal emphasis on the development of all language skills. As the course progresses, students are introduced to the fundamentals of Arabic morphology and syntax. This is achieved through analysis of texts covering a wide range of topics. By the end of the course, students are expected to achieve upper intermediate level of proficiency.

Prerequisite: NML110Y1 or permission of the instructor.**Exclusion:** Native speaker. Priority enrollment will be given to declared NMC majors/specialists.**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML211H1 - Modern Standard Arabic for Heritage Speakers I****Hours:** 36L

This course introduces heritage speakers to the fundamentals of Modern Standard Arabic morphology and syntax. This is achieved through analysis of written texts covering a wide range of genres. By the end of the course, students are able to read texts of general interest and write coherent paragraphs.

Prerequisite: Students eligible for enrolment in this course are expected to have active knowledge of a spoken form of Arabic and basic literacy skills. Eligibility is determined based on a placement test and an interview conducted by the instructor.**Exclusion:** NML110Y1, NML210Y1, NML310Y1, NML410Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML212H1 - Modern Standard Arabic for Heritage Speakers II****Hours:** 36L

Building on NML 211H, this course strengthens the students' literacy skills. It expands their knowledge of sentence structure and morphological patterns and introduces them to different writing styles. By the end of the course, students are able to read sophisticated texts and write with grammatical accuracy.

Prerequisite: NML211H1 (Arabic for Heritage Speakers I), or instructor's permission.**Exclusion:** NML110Y1, NML210Y1, NML310Y1, NML410Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML220Y1 - Introductory Aramaic****Hours:** 72S

Introduction to Aramaic grammar. Readings from biblical Aramaic. (Offered in alternate years)

Prerequisite: NML250Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML230H1 - Elementary Coptic I****Hours:** 48S

Introduces the student to the last stage of the Egyptian language, written mostly in Greek characters. The course will first concentrate on the grammar of the language and go on to read short texts.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML231H1 - Elementary Coptic II****Hours:** 48S

A continuation of NML230H1.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

NML240Y1 - Introduction to Middle Egyptian**Hours:** 72L

Grammar and reading of selected hieroglyphic texts.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML260Y1 - Introductory Persian****Hours:** 96L

The fundamentals of modern standard Persian grammar, with emphasis on attaining fluency in reading and writing simple texts. Also serves as a basis for classical Persian. (Offered in alternate years)

Exclusion: Native users. Priority enrollment will be given to declared NMC majors/specialists**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML250Y1 - Introductory Biblical Hebrew****Hours:** 72S

An introduction to biblical Hebrew prose. Grammar and selected texts. For students with no previous knowledge of Hebrew.

Exclusion: Those who have completed Grade 8 Hebrew (or Grade 6 in Israel)**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML262Y1 - Old Persian****Hours:** 36L

This course will survey the language, epigraphy, and political theology of the imperial inscriptions of the Persian Empire (550-330 BCE). By the end of the year students will have acquired a strong understanding of the cuneiform script, grammar, and syntax and be able to comfortably read the entire inscriptional corpus.

Recommended Preparation: NML260Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1); Society and its Institutions (3)**NML255H1 - Intermediate Modern Hebrew I****Hours:** 48LSee MHB255H1 in Religion.**Prerequisite:** MHB156H1/ NML156H1**Exclusion:** Those who have completed Grade 8 Hebrew (or Ulpan level 2 in Israel), MHB255H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML270Y1 - Introductory Turkish****Hours:** 96L

This course covers the essentials of Turkish grammar, and introduces students to reading and translation of passages of elementary difficulty. Designed for students with no previous knowledge of Turkish. This course also serves as a basis for the study of Ottoman Turkish and other Turkic languages.

Exclusion: Native speakers**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML256H1 - Intermediate Modern Hebrew II****Hours:** 48LSee MHB256H1 in Religion.**Prerequisite:** NML255H1/ MHB255H1**Exclusion:** Those who have completed Grade 8 Hebrew (or Ulpan level 2 in Israel), MHB256H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML305Y1 - Introductory Akkadian****Hours:** 48S

Introduction to Old Babylonian. Grammar and the reading of selected texts. (Offered in alternate years)

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

NML310Y1 - Intermediate Standard Arabic II**Hours:** 96L/24P

This course assumes active knowledge of the content covered in NML210Y. As the course progresses, students are introduced to increasingly complex morphological and syntactic patterns of Arabic. This is achieved through analysis of texts covering a wide range of genres. By the end of the course, students are expected to achieve advanced level of proficiency.

Prerequisite: NML210Y1 or permission of the instructor.**Exclusion:** Native speakers. Priority enrollment will be given to declared NMC majors/specialists.**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML320H1 - Intermediate Aramaic: Targum****Hours:** 24S

An intensive study of various Targumim to the Pentateuch: Onkelos, Pseudo-Jonathan, Neophyti, Samaritan and Fragment Targumim. Differences among them in vocabulary, syntax and verb usage are discussed, as well as their relationship to the Palestinian midrashim. (Offered in alternate years)

Prerequisite: NML220Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML340Y1 - Intermediate Egyptian****Hours:** 72S

Middle Egyptian texts.

Prerequisite: NML240Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML350H1 - Intermediate Biblical Hebrew I****Hours:** 24S

A continuation of the study of ancient Hebrew grammar and texts. Focus is given to covering a wide variety of genres, e.g., narrative, chronicle, genealogy, oracle, prayer, hymn, and proverb.

Prerequisite: NML250Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML351H1 - Intermediate Biblical Hebrew II****Hours:** 24S

A continuation of the study of ancient Hebrew grammar and texts. Focus is given to covering a wide variety of genres, e.g., narrative, chronicle, genealogy, oracle, prayer, hymn, and proverb.

Prerequisite: NML350H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML355H1 - Advanced Modern Hebrew I****Hours:** 48SSee MHB355H1 in [Religion](#).**Prerequisite:** MHB256H1/ NML256H1**Exclusion:** OAC Hebrew, MHB355H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML356H1 - Advanced Modern Hebrew II****Hours:** 48SSee MHB356H1 in [Religion](#).**Prerequisite:** NML NML355H1/ MHB355H1**Exclusion:** OAC Hebrew, MHB356H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML357H1 - Midrash Aggadah****Hours:** 24S

An introduction to the exegetical methods of the rabbis in their analysis of biblical texts, with special attention to issues of intertextuality. The textual and thematic topic will vary by year.

Prerequisite: Intermediate Hebrew (Modern or Biblical)**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

NML358H1 - Mishnah and Tosefta**Hours:** 24S

Introduction to Mishnah and Tosefta, two of the three foundational documents of Middle Hebrew. In addition to studying specific features of this level of Hebrew, examining these compositions independently, and analyzing their interaction, students will examine current scholarly literature on these documents and their relationship to each other. (Offered in alternate years)

Prerequisite: Intermediate Hebrew (Modern or Biblical)**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML362Y1 - Middle Persian (Pahlavi)****Hours:** 48L

This course will survey the grammar and religious concepts found within the Book Pahlavi or Zoroastrian Middle Persian corpus from late antique and early Islamic Iran. By the end of the year students will have acquired a strong understanding of the script, grammar, and syntax of the Pahlavi corpus. Some knowledge of Persian is an advantage.

Prerequisite: None**Corequisite:** None**Exclusion:** None**Recommended Preparation:** NML260Y1 or NML262Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML359Y1 - Babylonian Talmud****Hours:** 48S

Selections from a tractate in Babylonian Talmud in order to gain facility in the understanding of the dialogic structure of the legal discussions. Practice in the use of classical commentaries and critical aids to allow independent study of the text. (Conducted in Hebrew) (Offered in alternate years)

Prerequisite: Intermediate Hebrew (Modern or Biblical)**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**NML370Y1 - Intermediate Turkish****Hours:** 96L

This course involves reading, grammatical analysis and translation of modern Turkish texts of intermediate difficulty. The reading materials are selected from a wide range of literary genres. Included is a basic review of grammar as well as more advanced grammatical topics. Course serves as preparation for advanced study of Turkish as well as study of Ottoman Turkish language and literature.

Prerequisite: NML270Y1 or permission of instructor.**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML360Y1 - Intermediate Persian****Hours:** 144L

This course involves reading, grammatical analysis, and translation of representative samples of contemporary Persian prose of intermediate difficulty. The reading materials are selected from a wide range of sources in order to ensure balanced, yet comprehensive exposure to the different usage of the language. The course serves as preparation for courses on both classical and contemporary Persian literature.

Exclusion: Native users. Priority enrollment will be given to declared NMC majors/specialists**Recommended Preparation:** NML260Y1 and/or adequate knowledge of modern Persian**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML380H1 - Introduction to Ge'ez (Classical Ethiopic)****Hours:** 36L

This course covers the essentials of Ge'ez (Classical Ethiopic) grammar, and introduces students to Ge'ez texts of elementary to intermediate difficulty.

Designed for students with no previous knowledge of Ge'ez.

Prerequisite: NML110Y1/ NML220Y1/ NML250Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

NML381H1 - Intermediate Ge'ez**Hours:** 36L

This course continues the study of Ge'ez (Classical Ethiopic) grammar and progresses to a survey of classical Ge'ez literature. Linguistic connections to Amharic and Tigrinya will also be introduced.

Prerequisite: NML380H1 or permission of instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML411H1 - Media Arabic****Hours:** 24S

This course familiarizes advanced students of Arabic with structural properties, styles, and discourse features of the language used in the Arabic media. Class time is devoted to analysis of authentic texts covering a wide range of topics and drawn from various online media outlets.

Prerequisite: NML310Y1 or adequate reading knowledge of Arabic.**Exclusion:** Native speakers of Arabic must obtain permission of instructor.**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML405Y1 - Intermediate Akkadian****Hours:** 48S

(Offered in alternate years)

Prerequisite: NML305Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML412H1 - Adab and Arabic Literary Prose****Hours:** 24L

Students read original Arabic texts representing a rich variety of premodern prose genres. Critical review of scholarly approaches to adab, defined as the historic practice of teaching composition, and the canons used in that pedagogy. Texts include: Kalila wa-Dimna, travel narratives, 1001 Nights, and al-Jahiz.

Prerequisite: NML310Y1 (third-year Arabic) or permission of the instructor. Heritage speakers are encouraged to take this class, and should seek permission of the instructor.**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML410Y1 - Advanced Standard Arabic****Hours:** 96S

This course assumes active knowledge of the content covered in NML310Y. Its goal is to strengthen the students reading and writing skills, refine their knowledge of syntax and morphological patterns, and enrich their cultural background. This is achieved through analysis of sophisticated authentic texts covering a wide range of genres. In addition, Classical Arabic literary texts will be incrementally introduced. By the end of the course, students are expected to reach a superior level of proficiency.

Prerequisite: NML310Y1 or permission of instructor.**Exclusion:** Native speakers.**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML413H1 - Premodern Arabic Poetry****Hours:** 24L

Every week we read a poem by a new poet, focusing on the most famous and frequently quoted poems of the pre-modern Arabic literary tradition. Students learn how to identify meters and recognize the rhetorical tropes described by Arabic rhetoric. Poets include: Labīd, Abū Nuwās, Abū Tammām, and al-Mutanabbī.

Prerequisite: NML310Y1 (third-year Arabic) or permission of the instructor. Heritage speakers are encouraged to take this class, and should seek permission of the instructor.**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

NML420Y1 - The Jerusalem Talmud: Jewish Western Aramaic

Hours: 48S

The Talmud of the Land of Israel, also called Talmud Yerushalmi or Palestinian Talmud, is written in a mixture of Jewish Western Aramaic and Mishnaic Hebrew. It is the principal document of the Land of Israel in Late Antiquity. The course examines the legal argumentation, terminology and language which differ from those of the Babylonian Talmud. (Offered in alternate years)

Prerequisite: Permission of instructor

Recommended Preparation: NML220Y1/ NML320H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Thought, Belief and Behaviour (2)

NML421Y1 - Classical Syriac

Hours: 48S

This course is primarily a reading course in Syriac literature with reference to specific points in grammar and syntax as contrasted with Aramaic. The texts are read with reference to the history of Syriac literature. (Offered in alternate years)

Prerequisite: NML220Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NML440H1 - Ancient Egyptian Historical Texts

Hours: 48S

Texts of significance for the reconstruction and understanding of Egyptian history will be read in the original, and analyzed for content, style, and grammar. The social and archaeological context of these texts will also receive attention.

Prerequisite: NML340Y1 or permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NML441H1 - Ancient Egyptian Religious and Funerary Texts

Hours: 48S

Readings, analysis, and comparisons of selections from the Pyramid Texts, the Coffin Texts, and the New Kingdom mortuary literature; study of cultic, magical, and mythological texts relating to funerary and cultic beliefs and practices. All texts to be read in the original.

Prerequisite: NML340Y1 or permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NML450H1 - Advanced Biblical Hebrew

Hours: 24S

Continuation of the study of Biblical Hebrew language. Combination of reading more advanced texts and Hebrew composition exercises. Introduction to the standard reference works for advanced study of the phonology, morphology, syntax, and semantics of Biblical Hebrew.

Prerequisite: NML350H1 or NML351H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NML451H1 - Advanced Babylonian Talmud

Hours: 24S

Students will be introduced to the problems of text criticism involving variant readings and the redaction of Talmudic texts. Problems of transmission of the text, its relationship to the Palestinian Talmud, Tosefta and other texts will be explored. Use of Medieval Talmudic commentaries will be addressed.

Prerequisite: Intermediate Hebrew (Modern or Biblical)

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

NML452H1 - Halakhic Midrashim

Hours: 24S

This course familiarizes students with the methodology and terminology of the two midrashic systems: Devei R. Akiba and Devei R. Ishmael. Sections of all the midrashic halakha (Mekhilot, Sifra and Sifre) are studied and compared to other Tannaitic materials. (Conducted in Hebrew) (Offered in alternate years)

Prerequisite: Intermediate Hebrew (Modern or Biblical)

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NML455H1 - Modern Hebrew Poetry**Hours:** 36S

A study of the poetic works of a major modern Hebrew poet.
(Conducted in Hebrew) (Offered in alternate years)

Prerequisite: Permission of instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML462H1 - Modern Persian Prose****Hours:** 24S

A survey of contemporary Persian prose, focusing on fiction, novel and short story. The course includes discussion of main elements of the story such as plot, scene, characters, theme, topic, point of view, etc. and develops the ability to analyze any genres of literary prose through analyzing different Persian short stories.

Prerequisite: NML360Y1 or adequate reading knowledge**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**NML456H1 - Modern Hebrew Prose****Hours:** 36S

A study of an important modern writer of Hebrew fiction. (Conducted in Hebrew) (Offered in alternate years)

Prerequisite: Permission of instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**NML459H1 - Readings in Second Temple Period Texts****Hours:** 24S

This course provides an advanced investigation of selected issues in ancient Jewish texts stemming from the Second Temple Period (5th cent. BCE 1st cent. CE), and includes comparative study of biblical writings, apocrypha and pseudepigraphy, the Dead Sea Scrolls, and writings of ancient Jewish historians and philosophers. The specific topic for the course varies from one semester to another. The course has a strong research and writing component.

Prerequisite: NML350H1 or NML351H1. Depending on the specific topic of the semester, knowledge of Greek or Aramaic may be recommended.**Recommended Preparation:** NMC252H1, NMC351H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**NML463H1 - Iranian Languages in the Path of History and Civilization****Hours:** 24S

This interdisciplinary course focuses on chronological development of Persian language from Old Persian (551 BC) to Modern Persian (7th century) with the emphasis on the word formation and grammar. This course also examines the role of language in maintaining cultural identity and civilization through structural analysis of Iranian languages including Farsi, Dari, Tajiki, Baluchi, Kurdish and Pashtu.

Prerequisite: NML360Y1 or permission of instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**NML464H1 - Old and Middle Iranian****Hours:** 24L

An introduction to the Old and Middle Iranian languages, with focus on Avestan and Middle Persian. A brief primer on the principal grammatical features of Avestan and Middle Persian Literature is followed by reading portions of the Avesta and Middle Persian Zoroastrian texts.

Prerequisite: NML360Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML461H1 - Modern Persian Poetry****Hours:** 24S

A survey of Persian literature, mainly modern poetry from 19th–21st centuries, focusing on linguistics and literary approaches in modern poetry. The course includes detailed discussion of the influence and effect of western and world poetry on Iranian poets, and critical reflections on works of leading contemporary poets.

Prerequisite: NML360Y1 or adequate reading knowledge**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

NML465Y1 - Young Avestan**Hours:** 48L

This course surveys the grammar and religious concepts found within the Young(er) Avestan corpus of Zoroastrianism from the 2nd to 1st millennium BCE. Students will acquire a strong understanding of phonology, morphology, and syntax, and be able to comfortably read selections from the Avesta by the end of the year. Knowledge of Sanskrit, Greek or Latin is an advantage.

Prerequisite: None**Corequisite:** None**Exclusion:** None**Recommended Preparation:** NML362Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML468H1 - Persian Literature: Ethical, Erotic, and Mystical****Previous Course Number:** NML460Y1**Hours:** 36S

Explores the ethical works of Sa'di (*Bustan* and *Gulistan*); the mystical *Mantiq al-Tayr* of 'Attar and the *Masnavi* of Rumi; and the *ghazals*, or mystico-erotic poems, of Rumi and Hafiz. Emphasizes close reading and analysis of the texts and their historical, cultural, and religious backgrounds.

Prerequisite: NML360Y1 or adequate knowledge of Persian**Exclusion:** NML460Y1**Recommended Preparation:** NML260Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML466H1 - Theory and Practice of Translation from and into Persian****Hours:** 24S

An introduction to theories and techniques involved in English/Persian translation, focusing on translation practice and theoretical discussions on linguistic, cognitive, socio-political, and cultural aspects of translation. Through analysis and application of translation theory, students practice the art of translation and develop awareness of issues that translators face.

Prerequisite: NML360Y1 or permission of instructor**Corequisite:** N/A**Exclusion:** N/A**Recommended Preparation:** None**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML470Y1 - Advanced Turkish****Hours:** 48S

Advanced Turkish language practice designed to enable students to pursue independent work in Turkish and Ottoman studies. Differences between modern Turkish and Ottoman grammar will be pointed out. Elements of Arabic and Persian grammar that occur in Ottoman will be presented.

Prerequisite: NML370Y1 or adequate knowledge of Turkish**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML467H1 - Persian Literature: The Epic Tradition****Previous Course Number:** NML460Y1**Hours:** 36S

Explores iconic masterpieces of classical Persian heroic and romantic epic poetry, including the Persian national epic, *Shahnameh*, of Ferdowsi; the magisterial odes of Khaqani; and the *Khamseh*, or Quintet, of Nezami and its many literary responses. Emphasizes close reading and analysis of the texts and their historical and cultural backgrounds.

Prerequisite: NML360Y1 or adequate knowledge of Persian**Exclusion:** NML460Y1**Recommended Preparation:** NML260Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NML471H1 - Modern Turkish Literature in Perspective****Hours:** 36L

This course surveys the main literary currents, figures, major themes, and motifs that define modern Turkish literature. Selected readings, including a variety of genres, such as short story, poetry, and the novel, will be used to map out a possible trajectory of modern Turkish literature, ranging from national allegories that pervaded early Republican Period to postmodern orientations.

Prerequisite: NML370Y1**Recommended Preparation:** NMC278H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

NML490H1 - Select Topics in Near and Middle Eastern Languages

Hours: 36S

An advanced language seminar organized around grammatical issues or texts selected by the instructor.

Prerequisite: Permission of the Instructor

Corequisite: N/A

Exclusion: N/A

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

New College

Faculty List

Professors

S. Mojab, BA, MA, Ph D (OISE)

Associate Professors

D.L. Eyoh, MA, Ph D (African Studies/Political Science)
 M. Lo, MA, MSc, Ph D (African Studies/Women and Gender Studies)
 B. McElhinny, MA, Ph D (Anthropology)
 M.J. Newton, BA, D Phil (History)
 A. Trotz, BA, MPhil, Ph D (Caribbean Studies/Women and Gender Studies)

Associate Professors, Teaching Stream

A. Itwaru, Ph D (Caribbean Studies)
 J. Larkin, BA, M Ed, Ph D (Equity Studies/Women and Gender Studies)
 A. Wasike, BA, MA, M Ed, Ph D (African Studies)

Assistant Professors, Teaching Stream

S. Doyle-Wood, BA, MA, Ph D (Equity Studies/Transitional Year Programme)
 A. McGuire, BA (Hons), MA, Ph D (Equity Studies)
 E. Newberry, B. Arts Sc, B Ed, M Ed (Writing Centre)

CLTAs

C. Desai, BA (Hons), MA, Ph D (Equity Studies)

Lecturers

A. Guerson, Ph D (International Foundation Program/New One)
 M. Levin, BA, MSc, Ph D (African Studies)
 S. Stewart, BA (Hons), B Ed, M Ed, Ph D (Writing Centre)
 T. Toneatto, Ph D (Buddhism, Psychology and Mental Health/Psychiatry)

Contact:

Program Administrator's Office:
 New College, Room 133 (416-978-5404 or
nc.undergradadmin@utoronto.ca)

New One:
new.one@utoronto.ca

Registrar's Office:
 New College, Room 107 (416-978-2460)

New One: Learning Without Borders

New One provides first year students with a comprehensive foundation for successful undergraduate study. It encourages active, engaged learning and creative forms of inquiry, and supports students in developing their research, writing and oral communication abilities. In the second semester particularly, students will practice and develop skills in research and knowledge presentation, showcasing their projects at the annual end-of-year "Knowledge Fair."

New One gives students the tools to think deeply, critically, and creatively about these topics and what they can teach us about the ways our lives are connected "beyond borders." Inspired by the social advocacy focus of New College's academic programs, the program grapples with the core question: how do we imagine responsible global citizenship and build a more equitable and just society?

New One offers up to ten interdisciplinary small-class seminars annually. In the first semester, students accepted into the program select one out of four half-credit courses that introduce key concepts and analytic frameworks in the scholarly study of food, language, digital technology, science, art or another current issue. In the half courses offered in the second semester, students have the opportunity to deepen their understanding of contemporary questions that arise within each of the four topics. Students may select any one of the four second semester courses on offer, either continuing the same theme from first semester or exploring a new course topic.

New One courses meet for 3 hours each week. A portion of those sessions will occasionally be allocated to "Learning Labs." All students in the program come together in these Learning Labs to engage in joint activities and explore issues that are common to the four topics. Both in seminars and Learning Labs, students will experience a variety of ways of learning (through, for example, guest lectures, group work, workshops, field trips to local community organizations, and panels of senior students sharing their experience and insights).

New One does not require a specific application. All first-year students in the Faculty of Arts and Science on the St. George campus are eligible for admission. Students can apply to more than one College One program; they can accept admission to only one program. For more information about the program, application process and criteria of selection, go to <http://uoft.me/NewOne> or contact new.one@utoronto.ca.

The African Studies Program

(Specialist, Major, Minor) The African Studies Program examines the dynamics, challenges and processes of socio-economic, environmental and political transformations in Africa, the varied histories, societies, ideas, institutions of Africa and its diasporas through interdisciplinary lenses. The interdisciplinary courses,

Introduction

New College courses have in common a commitment to socially engaged learning and to explorative and inventive pedagogy that widens students' experience by critically examining relationships among academic disciplines. We offer four degree programs: African Studies; Buddhism, Psychology and Mental Health; Caribbean Studies; and Equity Studies. These programs are open to all students in the Faculty of Arts and Science.

We also offer interdisciplinary courses that can enhance any degree program. Integration of student experience is a major priority in a college with students from all faculties in the University. The Independent Studies courses provide an opportunity for students to design their own programs and to test their research, analytic, synthetic, and creative skills by writing a major research paper. The Community Engaged Learning program supports course-based service learning and independent community engaged learning opportunities. These allow students to integrate their theoretical knowledge with practical experience, while engaging in meaningful work in campus and community organizations.

through innovative and critical pedagogies deal with cutting edge subjects such as political economy, African inventions, development, aid, humanitarianism, NGOs, conflict and peacemaking, activism and political struggles, politics, African cultures, migration and displacement, gender and development, environment, health, black freedom, urbanization, African systems of thought, the slave trade, colonialism, the post-colonial state, Africa and its diaspora, Pan-Africanism, and globalization. Innovative pedagogies nurturing students' intellectual curiosity, cultivating engaged, creative and critical thinking and teaching cutting edge courses that recognize Africa as a living place rather than merely as a site for intellectual speculation and study inform our teaching. The program also offers practical courses in African languages. Additional cross-listed courses, drawn from disciplines in humanities, social sciences and sciences complement the program offerings.

Consult Program Director, Prof. M. Lo, 416-946-3218 or marieme.lo@utoronto.ca. For general enquiries call 416-978-5404 or email nc.undergradadmin@utoronto.ca.

The Buddhism, Psychology and Mental Health Program

(Minor) An interdisciplinary Minor program, BPMH focuses on the growing convergence between western psychology and the psychological aspects of Buddhism as expressed in the recent interest in mindfulness meditation as a means of enhancing health and wellness. The program allows students to investigate the diverse ways that Buddhist and western psychology and science intersect, bringing together academic, clinical and contemplative traditions. Students choose from a wide range of courses on mind, consciousness, mindfulness meditation, social implications and applications of Buddhism, cognitive science, psychotherapy and the psychology of religion. The program encourages a critical examination of the ways that Buddhist psychology can contribute to the modern understanding of consciousness, wisdom, mental health and physical health.

Consult Program Director, Dr. T. Toneatto, 416-946-0282/416-875-2533 or email tony.toneatto@utoronto.ca. For general enquiries, call 416-978-5404 or email nc.undergradadmin@utoronto.ca.

The Caribbean Studies Program

(Specialist, Major, Minor) Caribbean Studies is an interdisciplinary undergraduate program that consists of courses on Caribbean history and society, politics and economic development, literature and thought. Our courses deal with a wide range of issues including gender, religion, culture, ethnicity, race, development, language, colonialism, the environment and regional common markets. Caribbean Studies equips students to think about broad, theoretical and challenging intellectual issues and, at the same time, to ground that expansive thinking in deep understanding of the particular historical, political, economic, geographical, cultural and linguistic realities of the Caribbean and its diasporas. This combined interdisciplinary and area studies approach prepares students to think across disciplines about these kinds of questions, and to base their comparative, transnational and interdisciplinary thinking in concrete knowledge of the Caribbean and its people. The study of the Caribbean equips students to question the order of things, reflect on their own place in the world, and see past the Caribbean's size or current level of geo-political influence to recognize the inherent value and intellectual significance of all places and all people.

Consult Program Director, Prof. M. J. Newton, 416-978-8482 or email melanie.newton@utoronto.ca. For general enquiries, call 416-978-5404 or email nc.undergradadmin@utoronto.ca.

The Equity Studies Program

(Major, Minor) How do we think about social justice in an increasingly globalized world? Equity Studies is an interdisciplinary undergraduate program that focuses on social justice theories and practices in a variety of local and global contexts. Cutting across a spectrum of academic disciplines, the program brings together scholarship, community work and activism in a unique approach to undergraduate education that values student experiential learning and community knowledge. Through engagement with theoretical and historical texts in equity, students are trained in postcolonial studies, transnational feminism, critical race theory, queer studies and other bodies of knowledge that have much to say about social justice. Course offerings in disability studies, global food equity and social advocacy equip students with the skills to apply their academic learning to real-life situations. By defining 'education' in the broadest sense, Equity Studies creates a dynamic learning environment that extends far beyond the university walls. With a vibrant student body, a wide range of community partners and a bold curriculum, Equity Studies at New College is a leader in social justice education in Canada.

Consult Program Director, Prof. S. Mojab, 416-978-0829 or email shahrzad.mojab@utoronto.ca. For general enquiries, call 416-978-5404 or email nc.undergradadmin@utoronto.ca.

Community Engaged Learning (CEL)

New College offers several community engaged courses. These provide students the opportunity to integrate academic, experiential and practice-based learning as they participate in meaningful work in community or campus organizations.

Two forms of community engaged learning courses are offered: embedded and independent. In the former, a community service component is either a mandatory or optional component of the course syllabus. (Examples of such courses are NEW342H1 and NEW232Y1). In the *independent* community engaged learning courses, upper level students, with various academic backgrounds, are placed with a social purpose community or campus-based organization for several hours per week, contributing to the mission of that organization in program support work or research. Through seminar discussions and critical reflection on their experiences, students learn how to mobilize their academic knowledge, deepen their appreciation of community engagement and social justice, explore social and ethical issues, and build professional dispositions and work-place skills relevant to the social sector.

Information about CEL can be found at <http://www.newcollege.utoronto.ca/academics/new-college-academic-programs/community-engaged-learning>.

Enquiries: nc.engagedlearning@utoronto.ca or 416-978-8821.

Independent Studies

New College Independent Study courses are designed both to complement regular offerings in New College Programs and to provide an opportunity for New College students in any program to enrich their studies. The normal expectation of a project course is that the student, aided and advised by their supervisor, will read relevant literature, and plan, analyze and report on an original and independent investigation of an appropriate topic. Written applications, including a detailed proposal, should be made through the Programs Office for approval by the Vice Principal of New College or a designate by April 15 for the Summer Session; by July 15 for the Fall Term; or by November 15 for the Winter Term. Should the deadline fall on a weekend, applications will be accepted until the following Monday. Students will be notified of the acceptance or rejection of an application. If the project requires ethics approval, please be advised that you should find and consult with a supervisor about meeting this requirement at least a semester

in advance of these deadlines. For more information and application forms, please see the Independent Studies website: <http://www.newcollege.utoronto.ca/new-college-academic-programs/independent-studies>.

Enquiries: New College Program Administrator - Wetmore Hall, room 133; nc.undergradadmin@utoronto.ca or 416-978-5404.

Interdisciplinary Courses on Jungian Theory

This suite of courses offers students opportunities for sustained, interdisciplinary engagement with the thought of Carl Jung. Courses invite students to consider Jung's thought and practice in relation to a range of disciplinary and cultural issues in order to open up conversations about models of consciousness and mind.

The International Foundation Program

is designed for international students who need to meet the University's English language requirement. Students will acquire the academic and language skills necessary for full admission to undergraduate studies. Core courses include one first year history credit course (IFP100Y1), three non-credit language courses and one non-credit discipline-specific course. Courses are open only to students admitted to the program. For program and admission information, please see <http://www.ifp.utoronto.ca>.

The Human Biology Programs

offer a broad education in life sciences with courses offered by departments in both the Faculties of Arts and Science, and Medicine (see Human Biology section of the Calendar.)

The Women and Gender Studies Program

(Specialist, Major, Minor) provides an interdisciplinary and culturally inclusive approach to understanding gender (see Women and Gender Studies section of the Calendar.)

6. Two full course equivalents from Groups A or B
 7. A combination of two language full course equivalents as outlined in Group C
- Note: Four FCEs of the eleven courses must be 300/400 series (including at least one 400-series FCE) of which at least one FCE must be from Group A and another from Group B

African Studies Major (Arts Program) - ASMAJ1707

Completion Requirements:

Consult Program Administrator: nc.undergradadmin@utoronto.ca or 416-978-5404.

(6 full courses or their equivalent, including two FCEs at the 300+level)

First Year:

1. NEW150Y1

Higher Years:

2. JQR360H1
3. NEW450Y1
4. 1.5 full course equivalents from Group A
5. Two full course equivalents from Group B, or NEW280Y1 and NEW380Y1

Note: At least two full course equivalents from Groups A and/or B must be at the 300/400 level

African Studies Minor (Arts Program) - ASMIN1707

Completion Requirements:

Consult Program Administrator: nc.undergradadmin@utoronto.ca or 416-978-5404.

(4 full courses or their equivalent, including one FCE at the 300+level)

First Year:

1. NEW150Y1

Higher Years:

2. One full course equivalent from Group A
3. One full course equivalent from Group B, or another one from Group A
4. One full course equivalent from Group B or NEW280Y1, NEW281Y1 or NEW380Y1

Note: At least one full course equivalent must be a 300/400 series course from Groups A and/or B

Buddhism, Psychology and Mental Health Minor (Arts Program) - ASMIN1017

Completion Requirements:

Consult Program Administrator: nc.undergradadmin@utoronto.ca or 416-978-5404.

New College Programs

African Studies Specialist (Arts Program) - ASSPE1707

Completion Requirements:

Consult Program Administrator: nc.undergradadmin@utoronto.ca or 416-978-5404.

(11 full courses or their equivalent, including at least four 300+ series courses with at least one FCE at the 400-level)

First Year:

1. NEW150Y1

Higher Years:

2. JQR360H1
3. NEW450Y1
- 4.. 2.5 full course equivalents from Group A, to be chosen from at least two different departments/programs
5. Two full course equivalents from Group B

(4 full courses or their equivalent, including one FCE at the 300+level)

First Year:

No specific first-year courses required.

Higher Years:

1. NEW232H1
2. 2.0 full course equivalents from the Core Group
3. 1.5 full course equivalents from Group A

Core Group:

NEW214H1, NEW214Y1, NEW330H1, NEW332H1, NEW333H1, NEW334H1, NEW335H1, NEW336H1, NEW337H1, NEW338H1, NEW339H1, NEW430H1, NEW432H1, NEW433H1, NEW438H1

Group A:

ANT100Y1, ANT204H1, ANT348H1, ANT356H1; COG250Y1, COG341H1, COG342H1; EAS241H1, EAS346H1, EAS361H1, EAS393H1, EAS393Y1, EAS414H1; FAH260H1, HIS280Y1, HIS282Y1; HMB300H1, HMB434H1; HPS100H1, HPS110H1, HPS200H1, HPS250H1, HPS326H1, HPS352H1; NEW214H1, NEW214Y1, NEW302Y1, NEW303H1, NEW332H1, NEW333H1, NEW335H1, NEW336H1, NEW339H1, NEW432H1, NEW433H1, NEW438H1; PHL100Y1, PHL200Y1, PHL201H1, PHL217H1, PHL232H1, PHL235H1, PHL237H1, PHL240H1, PHL244H1, PHL275H1, PHL281H1, PHL302H1, PHL310H1, PHL311H1, PHL319H1, PHL320H1, PHL326H1, PHL331H1, PHL332H1, PHL335H1, PHL340H1, PHL341H1, PHL375H1, PHL376H1, PHL382H1, PHL383H1, PHL404H1, PHL405H1, PHL406H1, PHL407H1, PHL414H1, PHL415H1, PHL478H1, PHL479H1, PSY100H1, PSY210H1, PSY220H1, PSY230H1, PSY240H1, PSY260H1, PSY270H1, PSY280H1, PSY311H1, PSY312H1, PSY313H1, PSY321H1, PSY326H1, PSY331H1, PSY333H1, PSY336H1, PSY337H1, PSY341H1, PSY342H1, PSY343H1, PSY370H1, PSY371H1, PSY414H1, PSY425H1, PSY426H1, PSY434H1, PSY435H1, PSY450H1, PSY473H1, PSY493H1; RLG200H1, RLG206H1, RLG209H1, RLG210Y1, RLG211H1, RLG212H1, RLG213H1, RLG229H1, RLG231H1, RLG245H1, RLG246H1, RLG280Y1, RLG301H1, RLG303H1, RLG304H1, RLG311H1, RLG366H1, RLG368H1, RLG372H1, RLG373H1, RLG374H1, RLG375H1, RLG376H1, RLG377H1, RLG378H1, RLG379H1, RLG421H1, RLG440H1, RLG462H1, RLG463H1, RLG464H1, RLG465H1, RLG466H1, RLG467H1, RLG468H1, RLG469Y1, RLG470H1; SOC101Y1, SOC212H1, SOC243H1, SOC248H1, SOC250Y1, SOC363H1, SOC448H1, SOC483Y1; VIC106H1, VIC206H1

Caribbean Studies Specialist (Arts Program) - ASSPE1545

Completion Requirements:

Consult Program Administrator: nc.undergradadmin@utoronto.ca or 416-978-5404.

(10 full courses or their equivalent, including at least four FCEs at the 300+ level, one FCE of which must be at the 400-level.)

First Year:

1. NEW120Y1

Higher Years:

2. 1.0 full course or its equivalent from HIS230H1/ HIS231H1/ NEW220H1/ NEW221H1/ NEW225H1/ NEW226H1

3. JQR360H1

4. 3.5 full courses or their equivalent from the Core Group (including at least 2.5 FCE at the 300+ level, at least 1.0 FCE of which must be at the 400-level)

5. 2.0 full courses or their equivalent from Group A (including at least 1.0 FCE at the 300+ level)

6. 2.0 full courses or their equivalent from Group A or B

Caribbean Studies Major (Arts Program) - ASMAJ1545

Completion Requirements:

Consult Program Administrator: nc.undergradadmin@utoronto.ca or 416-978-5404.

(7 full courses or their equivalent including at least two FCEs at the 300+level, 0.5 of which must be at the 400-level)

First Year:

1. NEW120Y1

Higher Years:

2. 1.0 full course or its equivalent from HIS230H1/ HIS231H1/ NEW220H1/ NEW221H1/ NEW225H1/ NEW226H1

3. JQR360H1

4. 2.0 full courses or their equivalent from the Core Group at the 300+ level, at least 0.5 of which must be at the 400-level

5. EITHER 2.5 full courses or their equivalent from Group A or B OR

2.0 full courses or their equivalent if taking 1.5 FCE from HIS230H1/ HIS231H1/ NEW220H1/ NEW221H1/ NEW225H1/ NEW226H1 OR

1.5 full courses or their equivalent if taking 2.0 FCE from HIS230H1/ HIS231H1/ NEW220H1/ NEW221H1/ NEW225H1/ NEW226H1

Caribbean Studies Minor (Arts Program) - ASMIN1545

Completion Requirements:

Consult Program Administrator: nc.undergradadmin@utoronto.ca or 416-978-5404.

(4 full courses or their equivalent including at least 1.0 FCE at the 300+level)

First Year:

1. NEW120Y1

Higher Years:

2. 1.0 full course or its equivalent from HIS230H1/ HIS231H1/ NEW220H1/ NEW221H1/ NEW225H1/ NEW226H1

3. 1.0 full course or its equivalent from the Core Group

4. 1.0 full course or its equivalent from the Core Group or Group A

Equity Studies Major (Arts Program) - ASMAJ1140

Completion Requirements:

Consult Program Administrator: nc.undergradadmin@utoronto.ca or 416-978-5404.

(7 full courses or their equivalent, including two FCEs at the 300+level)

First Year:

No specific first-year courses required.

Higher Years

1. [NEW240Y1](#)
2. [NEW341H1](#)
3. [JQR360H1](#)
4. 1.5 additional full course equivalents from the core group, including at least 0.5 at the 400-level
5. 3.5 FCEs from Groups A, B, C, D (including one or more FCEs from at least three of the four groups)

Equity Studies Minor (Arts Program) - ASMIN1140

Completion Requirements:

Consult Program Administrator: nc.undergradadmin@utoronto.ca or 416-978-5404.

(4 full courses or their equivalent, including at least one FCE at the 300+ level)

First Year:

No specific first-year courses required.

Higher Years:

1. [NEW240Y1](#)
2. One FCE in any area from the core group
3. One additional FCE in any area from the core group or one FCE from Groups A, B, C, D.
4. An additional FCE from Groups A, B, C, D.

Course Groups

African Studies Group A

- [ENG367H1 African Literatures in English](#)
- [FCS392H1 Special Topics in French Cultural Studies II](#)
- [HIS295Y1 African History and Historical Methodology](#)
- [HIS297Y1 History of Africa from a Gender Perspective](#)
- [HIS383Y1 Women in African History](#)
- [HIS394H1 20th and 21st Century African Icons: Media and Biography](#)
- [HIS481H1 Elite Women, Power, and Modernity in Twentieth-Century Africa](#)
- [HIS486H1 Writing and Masculinity in Africa](#)
- [JNH350H1 AIDS : Challenges and Successes](#)
- [JQR360H1 The Canadian Census: Populations, Migrations and Demographics](#)
- [NEW250Y1 Africa in the 21st Century: Challenges and Opportunities](#)
- [NEW322H1 The Contemporary African Novel](#)
- [NEW351Y1 African Systems of Thought](#)
- [NEW352H1 International Organizations, NGOs, Development and Change in Africa](#)
- [NEW353H1 International Relations of Africa](#)
- [NEW357H1 Special Topics in African Studies](#)
- [NEW358H1 Special Topics in African Studies](#)
- [NEW450Y1 Advanced Topics in African Studies](#)
- [NEW451H1 Special Topics in African Studies](#)
- [NEW453Y1 Language and Postcolonial Education in East Africa](#)
- [NEW454H1 Migration, Mobility, and Displacement in Contemporary Africa](#)

- [NEW459H1 Advanced Special Topics in African Studies](#)
- [POL301Y1 Government and Politics in Africa](#)
- [POL488Y1 Topics in African Politics I](#)
- [POL489H1 Topics in African Politics II](#)
- an independent studies course approved by the Program Committee

African Studies Group B

- [ANT204H1 Social Cultural Anthropology and Global Issues](#)
- [ANT345H1 Global Health: Anthropological Perspectives](#)
- [ANT348H1 Medical Anthropology: Social- Cultural Perspectives](#)
- [ANT364H1 Environment & Globalization](#)
- [ANT374H1 Rethinking Development, or the Improvement of the World](#)
- [ANT452H1 Anthropology & Human Rights](#)
- [ARC233H1](#)
- [CIN332Y1 Screening Race](#)
- [CIN372Y1 Contemporary World Cinema](#)
- [DTS200Y1 Introduction to Diaspora and Transnational Studies I](#)
- [DTS401H1 Advanced Topics in Diaspora and Transnationalism](#)
- [DTS402H1 Advanced Topics in Diaspora and Transnationalism](#)
- [ECO230Y1 International Economic Institutions and Policy](#)
- [ECO324H1 Economic Development](#)
- [ENG270H1 Introduction to Colonial and Postcolonial Writing](#)
- [ENG356Y1 African Canadian Literature](#)
- [ENG370Y1 Postcolonial and Transnational Discourses](#)
- [ENV221H1 Multidisciplinary Perspectives on Environment](#)
- [ENV333H1 Ecological Worldviews](#)
- [FOR201H1 Conservation of Tropical and Subtropical Forests](#)
- [FRE332H1 Francophone Literatures](#)
- [FRE334H1 Francophone Cinema](#)
- [FRE336H1 Postcolonialism: Francophone Literatures](#)
- [GGR112H1 Geographies of Globalization, Development and Inequality](#)
- [GGR338H1 Environmental Issues in the Global South](#)
- [GGR419H1 Environmental Justice](#)
- [HAJ453H1 AIDS: A Global Perspective](#)
- [HIS106Y1 The African Diaspora in the Americas, 1492-1804](#)
- [HIS221H1 African American History to 1865](#)
- [HIS222H1 African American History from 1865 to the Present](#)
- [HIS230H1 Indigenous and Early Colonial Caribbean History](#)
- [HIS231H1 Revolution and Emancipation in the Colonial Caribbean](#)
- [HIS293H1 The Making of the Atlantic World, 1480-1804](#)
- [HIS305H1 Popular Culture and Politics in the Modern Caribbean](#)
- [HIS359H1 Regional Politics and Radical Movements in the 20th Century Caribbean](#)
- [HIS360H1 Critical Histories of the Black Canadian Experience](#)
- [HIS391Y1 Black Freedom in the Atlantic World](#)
- [HIS392Y1 Screening Freedom](#)
- [HIS413H1 Slave Emancipation in the Atlantic World](#)

- [HIS446H1 Gender and Slavery in the Atlantic World](#)
- [HIS474H1 Emancipate Yourselves from Mental Slavery? Historical Narratives of Caribbean Decolonisation](#)
- [HIS487H1 Animal and Human Rights in Anglo-American Culture](#)
- [HMB202H1 Introduction to Health and Disease](#)
- [HMB203H1 Introduction to Global Health](#)
- [HMB303H1 Global Health and Human Rights](#)
- [HMB323H1 Global Health Research](#)
- [HMB433H1 Topics in Global Health](#)
- [HMB443H1 Global Hidden Hunger](#)
- [JPR374H1 Religion and Power in the Postcolonial](#)
- [NFS490H1 International and Community Nutrition](#)
- [NMC285H1 The Quran: Spirit and Form](#)
- [NMC286H1 The Quran: Reading and Transformation](#)
- [NMC343H1 Farmers to Pyramid Builders: Cultural and Political History of Ancient Egypt I](#)
- [NMC344H1 Hyksos Subjects to Empire Builders: Cultural and Political History of Ancient Egypt II](#)
- [NMC362Y1 Ancient Egyptian Sites](#)
- [NMC365Y1 Archaeology of the Islamic World](#)
- [NMC374H1 The Mamluks: from Slaves to Sultans](#)
- [NMC376H1 History of Islamic Spain and North Africa \(640-1492\)](#)
- [NMC377Y1 The Ottoman Empire to 1800](#)
- [NMC378H1 Modern Arab History](#)
- [NMC381H1 Modern Islamic Thought](#)
- [NMC393H1 Early Islamic Art & Architectures](#)
- [NEW220H1 Comparative Caribbean Literature I: Canonical Readings](#)
- [NEW221H1 Comparative Caribbean Literature II: Contemporary Readings](#)
- [NEW225H1 Caribbean Societies](#)
- [NEW226H1 Caribbean Political Thought](#)
- [NEW321H1 Caribbean Visual Arts, Social Media and Performance](#)
- [NEW324H1 The Contemporary Caribbean in a Global Context](#)
- [NEW325H1 Caribbean Women Thinkers](#)
- [PHL336H1 Islamic Philosophy](#)
- [PHL380H1 Global Bioethics](#)
- [POL201Y1 Politics of Development: Issues and Controversies](#)
- [POL417Y1 Global South in International Politics](#)
- [POL445H1 Politics of Growth in Developing Countries](#)
- [POL447H1 Political Economy of Development](#)
- [POL479H1 Topics in Middle East Politics](#)
- [RLG203H1 Christianity](#)
- [RLG204H1 Islam](#)
- [RLG241H1 Early Christian Writings I](#)
- [RLG312H1 Gender, Body and Sexuality in Islam](#)
- [RLG351H1 The Quran: An Introduction](#)
- [RLG355H1 Living Islam](#)
- [SDS355H1 Theories of Sexuality](#)
- [SOC210H1 Sociology of Race and Ethnicity](#)
- [WGS369H1 Studies in Post-Colonialism](#)
- [WGS385H1 Gender and Neoliberalism](#)
- [WGS440H1 Decolonial Cyborgs for Planetary Futures](#)
- [WGS450H1 Modernity, Freedom, Citizenship: Gender and the Black Diaspora](#)
- [WGS463H1 Advanced Topics in Gender Theory](#)

African Studies Group C

- [NEW280Y1 Introductory Swahili](#)
- [NEW380Y1 Intermediate Swahili](#)
- [FSL221Y1 French Language II](#)
- [FSL321Y1 French Language III](#)
- [FSL421Y1 French Language IV](#)
- [NML110Y1 Elementary Standard Arabic](#)
- [NML210Y1 Intermediate Standard Arabic I](#)
- [PRT100Y1 Portuguese for Beginners](#)
- [PRT220Y1 Intermediate Portuguese](#)
- or two courses in a major African language approved by the Program Committee

Buddhism, Psychology and Mental Health Core Group

- [NEW214H1 Socially Engaged Buddhism](#)
- [NEW330H1 Mindfulness-Informed Interventions for Mental Health](#)
- [NEW332H1 Buddhism and Psychotherapy](#)
- [NEW333H1 Buddhism and Cognitive Science](#)
- [NEW334H1 Science of Wisdom: Buddhist and Western Traditions](#)
- [NEW335H1 Meditation and the Body](#)
- [NEW336H1 Special Topics in Buddhism, Psychology and Mental Health](#)
- [NEW337H1 Special Topics in Buddhism, Psychology and Mental Health](#)
- [NEW338H1 Exploring Mindful Awareness](#)
- [NEW339H1 Yogacara Buddhism and Western Psychology](#)
- [NEW430H1 Jungian Psychology and Tantric Buddhism](#)
- [NEW432H1 Advanced Special Topics in Buddhism, Psychology and Mental Health](#)
- [NEW433H1 Advanced Special Topics in Buddhism, Psychology and Mental Health](#)
- [NEW438H1 Mindfulness Meditation: Science and Research](#)

Buddhism, Psychology and Mental Health Group A

- [ANT100Y1 Introduction to Anthropology](#)
- [ANT204H1 Social Cultural Anthropology and Global Issues](#)
- [ANT207H1 Core Concepts in Social and Cultural Anthropology](#)
- [ANT253H1 Language & Society](#)
- [ANT348H1 Medical Anthropology: Social- Cultural Perspectives](#)
- [ANT356H1 Anthropology of Religion](#)
- [ANT368H1 Nature Culture Human](#)
- [COG250Y1 Introduction to Cognitive Science \(formerly JUP250Y1, UNI250Y1\)](#)
- [COG341H1 Issues on Attention, Perception and Consciousness](#)
- [COG342H1 Issues on Concepts, Theories of Mind, Cognitive Evolution](#)
- [EAS241H1 History of Chinese Philosophy](#)
- [EAS346H1 Self and Imagination in Premodern China](#)
- [EAS361H1 Zen Buddhism](#)
- [EAS393H1 Topics in Buddhism](#)

- [EAS393Y1 Topics in Buddhism](#)
- [EAS414H1 Bodily/Mental Health in Chinese Philosophy](#)
- [ETH201H1 Contemporary Moral Problems](#)
- [ETH220H1 Moral Psychology](#)
- [ETH230H1 Morality in Cross-Cultural Perspective](#)
- [FAH260H1 The Artistic Landscape of East Asia](#)
- [HIS280Y1 History of China](#)
- [HIS282Y1 History of South Asia](#)
- [HIS489H1 The History of Psychiatry and Psychiatric Illness](#)
- [HMB300H1 Neurobiology of Behaviour](#)
- [HMB434H1 Complementary & Integrative Medicine](#)
- [HPS100H1 Introduction to History and Philosophy of Science](#)
- [HPS110H1 The Science of Human Nature](#)
- [HPS200H1 Science and Values](#)
- [HPS250H1 Introductory Philosophy of Science](#)
- [HPS352H1 History of the Human Sciences](#)
- [INS300Y1 Worldviews, Indigenous Knowledges, and Oral Tradition](#)
- [INS340Y1 Indigenous Health Science](#)
- [JFP450H1 Indigenous Issues in Health and Healing](#)
- [NEW214H1 Socially Engaged Buddhism](#)
- [NEW302Y1 C.G. Jung: Stories, Patterns, Symbols](#)
- [NEW303H1 Hypotheses of the Unconscious](#)
- [NEW316H1 Caribbean Religions](#)
- [NEW332H1 Buddhism and Psychotherapy](#)
- [NEW333H1 Buddhism and Cognitive Science](#)
- [NEW335H1 Meditation and the Body](#)
- [NEW336H1 Special Topics in Buddhism, Psychology and Mental Health](#)
- [NEW339H1 Yogacara Buddhism and Western Psychology](#)
- [NEW344H1 Equity and the Body](#)
- [NEW344Y1 Equity and the Body](#)
- [NEW432H1 Advanced Special Topics in Buddhism, Psychology and Mental Health](#)
- [NEW433H1 Advanced Special Topics in Buddhism, Psychology and Mental Health](#)
- [NEW438H1 Mindfulness Meditation: Science and Research](#)
- [PHL100Y1 Introduction to Philosophy \(Historical\)](#)
- [PHL200Y1 Ancient Philosophy](#)
- [PHL201H1 Introductory Philosophy](#)
- [PHL217H1 Introduction to Continental Philosophy](#)
- [PHL232H1 Knowledge and Reality](#)
- [PHL235H1 Philosophy of Religion](#)
- [PHL237H1 History of Chinese Philosophy](#)
- [PHL240H1 Persons, Minds and Bodies](#)
- [PHL243H1 Philosophy of Human Sexuality](#)
- [PHL244H1 Human Nature](#)
- [PHL275H1 Introduction to Ethics](#)
- [PHL281H1 Bioethics](#)
- [PHL302H1 Ancient Philosophy After Aristotle](#)
- [PHL310H1 The Rationalists](#)
- [PHL311H1 The Empiricists](#)
- [PHL319H1 Philosophy and Psychoanalytic Theory](#)
- [PHL320H1 Phenomenology](#)
- [PHL331H1 Metaphysics](#)
- [PHL332H1 Epistemology](#)
- [PHL335H1 Issues in Philosophy of Religion](#)
- [PHL340H1 Issues in Philosophy of Mind](#)
- [PHL341H1 Freedom, Responsibility, and Human Action](#)
- [PHL344H1 Philosophy of Emotions](#)
- [PHL375H1 Ethics](#)
- [PHL376H1 Topics in Moral Philosophy](#)
- [PHL382H1 Ethics: Death and Dying](#)
- [PHL383H1 Ethics and Mental Health](#)
- [PHL404H1 Seminar in Epistemology](#)
- [PHL405H1 Seminar in Philosophy of Mind](#)
- [PHL406H1 Seminar in Metaphysics](#)
- [PHL407H1 Seminar in Ethics](#)
- [PHL414H1 Seminar in Philosophy of Religion](#)
- [PHL415H1 Seminar in Philosophy of Science](#)
- [PHL478H1 Advanced Topics in Philosophy of Religion](#)
- [PHL479H1 Advanced Topics in Philosophy of Mind](#)
- [PSY100H1 Introductory Psychology](#)
- [PSY210H1 Introduction to Development](#)
- [PSY220H1 Introduction to Social Psychology](#)
- [PSY230H1 Personality and Its Transformations](#)
- [PSY240H1 Introduction to Abnormal Psychology](#)
- [PSY260H1 Learning and Plasticity](#)
- [PSY270H1 Introduction to Cognitive Psychology](#)
- [PSY280H1 Sensation and Perception](#)
- [PSY311H1 Social Development](#)
- [PSY312H1 Cognitive Development](#)
- [PSY313H1 Psychology of Aging](#)
- [PSY321H1 Cross-Cultural Psychology](#)
- [PSY326H1 Social Cognition](#)
- [PSY331H1 Social Psychology of Emotion](#)
- [PSY333H1 Health Psychology](#)
- [PSY336H1 Positive Psychology](#)
- [PSY337H1 Advanced Personality Psychology](#)
- [PSY341H1 Psychopathologies of Childhood](#)
- [PSY342H1 Cognition and Psychopathology](#)
- [PSY343H1 Theories of Psychopathology and Psychotherapy](#)
- [PSY370H1 Thinking and Reasoning](#)
- [PSY371H1 Higher Cognitive Processes](#)
- [PSY414H1 Moral Development](#)
- [PSY425H1 Self-Consciousness](#)
- [PSY426H1 Motivational Theories in Social Psychology](#)
- [PSY434H1 Maps of Meaning: The Architecture of Belief](#)
- [PSY435H1 Environmental Psychology](#)
- [PSY450H1 History of Psychology](#)
- [PSY473H1 Social Cognitive Neuroscience](#)
- [PSY493H1 Cognitive Neuroscience](#)
- [RLG100Y1 World Religions](#)
- [RLG101H1 Introducing Religion](#)
- [RLG200H1 The Study of Religion](#)
- [RLG206H1 Buddhism](#)
- [RLG209H1 Justifying Religious Belief](#)
- [RLG210Y1 Introduction to the Sociology of Religion](#)
- [RLG211H1 Psychology of Religion](#)
- [RLG212H1 Anthropology of Religion](#)
- [RLG213H1 Reading Sacred Texts](#)
- [RLG235H1 Religion, Gender, and Sexuality](#)
- [RLG280Y1 World Religions: A Comparative Study](#)
- [RLG301H1 Religion on the Couch: Freud and Jung on Religion](#)
- [RLG303H1 Evil and Suffering](#)
- [RLG304H1 Language, Symbols, Self](#)
- [RLG311H1 Gender, Body and Sexuality in Asian Traditions](#)

- [RLG366H1 Hindu Philosophy](#)
- [RLG368H1 Hindu Ways of Living](#)
- [RLG372H1 Engaging Tibet](#)
- [RLG373H1 Buddhist Ritual](#)
- [RLG374H1 Buddhist Life Stories](#)
- [RLG376H1 Buddhism in South and Southeast Asia](#)
- [RLG378H1 Buddhist Borderlands](#)
- [RLG421H1 The Psychoanalytic Study of Religion](#)
- [RLG462H1 Newar Religion](#)
- [RLG463H1 Tibetan Buddhism](#)
- [RLG464H1 History and Historiography of Buddhism](#)
- [RLG465H1 Readings in Buddhist Texts](#)
- [RLG469Y1 Readings in Tibetan](#)
- [RLG470H1 Buddhist Tantra](#)
- [SOC212H1 Sociology of Crime & Deviance](#)
- [SOC243H1 Sociology of Health and Illness](#)
- [SOC250Y1 Sociology of Religion](#)
- [SOC363H1 Sociology of Mental Health and Mental Disorders](#)
- [SOC448H1 Sociology & Emotions](#)
- [SOC483H1 Culture and Cognition](#)
- [VIC106H1 Psychology and Society](#)
- [VIC206H1 Psychology and Society](#)

Caribbean Studies Group A

- [ENG356Y1 African Canadian Literature](#)
- [ENG369H1 South Asian Literatures in English](#)
- [HIS106Y1 The African Diaspora in the Americas, 1492-1804](#)
- [HIS221H1 African American History to 1865](#)
- [HIS222H1 African American History from 1865 to the Present](#)
- [HIS291H1 Latin America: The Colonial Period](#)
- [HIS292H1 Latin America: The National Period](#)
- [HIS305H1 Popular Culture and Politics in the Modern Caribbean](#)
- [HIS359H1 Regional Politics and Radical Movements in the 20th Century Caribbean](#)
- [HIS360H1 Critical Histories of the Black Canadian Experience](#)
- [HIS391Y1 Black Freedom in the Atlantic World](#)
- [HIS392Y1 Screening Freedom](#)
- [HIS413H1 Slave Emancipation in the Atlantic World](#)
- [HIS446H1 Gender and Slavery in the Atlantic World](#)
- [HIS474H1 Emancipate Yourselves from Mental Slavery? Historical Narratives of Caribbean Decolonisation](#)
- [POL442H1 Topics in Latin American Politics](#)
- [POL467H1 The Politics of Immigration and Multiculturalism in Canada](#)
- [SPA220Y1 Intermediate Spanish](#)
- [WGS450H1 Modernity, Freedom, Citizenship: Gender and the Black Diaspora](#)

Caribbean Studies Group B

- [ANT207H1 Core Concepts in Social and Cultural Anthropology](#)
- [ANT316H1 Ancient Cultures of Mesoamerica](#)
- [ANT320H1 Ancient Cultures of the Andes](#)
- [ANT322H1 Anthropology of Youth Culture](#)

- [ANT324H1 Tourism & Globalization](#)
- [ANT345H1 Global Health: Anthropological Perspectives](#)
- [ANT346H1 Anthropology of Food](#)
- [ANT364H1 Environment & Globalization](#)
- [ANT370H1 Introduction to Social Anthropological Theory](#)
- [ANT372H1 Cultural Property](#)
- [ANT374H1 Rethinking Development, or the Improvement of the World](#)
- [ANT388H1 Anthropologists and Indigenous Peoples in North America](#)
- [ANT407H1 Inka and Aztec States](#)
- [ANT412H1 Historical Archaeology](#)
- [ANT420H1 Archaeology of Inequality](#)
- [ANT427H1 Language, Ideology, & Political Economy](#)
- [ANT452H1 Anthropology & Human Rights](#)
- [ARC233H1](#)
- [CDN335H1 Black Canadian Studies](#)
- [CIN332Y1 Screening Race](#)
- [CRI383H1 Immigration, Ethnicity and Crime](#)
- [CRI422H1 Indigenous Law](#)
- [CRI429H1 Youth Culture, Racialization and Crime in the Global Context](#)
- [CRI487H1 Law, Space, and the City](#)
- [DRM362H1 Theatre and the World](#)
- [DTS200Y1 Introduction to Diaspora and Transnational Studies I](#)
- [DTS401H1 Advanced Topics in Diaspora and Transnationalism](#)
- [DTS402H1 Advanced Topics in Diaspora and Transnationalism](#)
- [DTS403H1 Advanced Topics in Diaspora and Transnationalism](#)
- [DTS404H1 Advanced Topics in Diaspora and Transnationalism](#)
- [DTS406H1 Advanced Topics in Diaspora and Transnationalism](#)
- [ECO306H1 American Economic History](#)
- [ECO313H1 Environmental Economics and Policies](#)
- [EEB215H1 Conservation Biology](#)
- [EEB255H1 Essentials of Biodiversity Science and Conservation Biology](#)
- [ENG270H1 Introduction to Colonial and Postcolonial Writing](#)
- [ENG285H1 The English Language in the World](#)
- [ENG329H1 Contemporary British Fiction](#)
- [ENG356Y1 African Canadian Literature](#)
- [ENG369H1 South Asian Literatures in English](#)
- [ENG370Y1 Postcolonial and Transnational Discourses](#)
- [ENG385H1 History of the English Language](#)
- [ENV322H1 International Environmental Policy](#)
- [ENV422H1 Environmental Law](#)
- [FOR201H1 Conservation of Tropical and Subtropical Forests](#)
- [FOR306H1 Tropical Forest Ecology and Conservation Field Course](#)
- [FRE272H1 The French Language: A Linguistic Introduction](#)
- [FRE324H1 French Literature in the Time of Revolutions and Industrialization](#)
- [FRE332H1 Francophone Literatures](#)
- [FRE336H1 Postcolonialism: Francophone Literatures](#)
- [FSL100H1 French for Beginners](#)
- [FSL102H1 Introductory French](#)

- [GGR112H1 Geographies of Globalization, Development and Inequality](#)
- [GGR240H1 Geographies of Colonialism in North America](#)
- [GGR241H1 Geographies of Urban Social Exclusion](#)
- [GGR320H1 Geographies of Transnationalism, Migration, and Gender](#)
- [GGR329H1 The Global Food System](#)
- [GGR338H1 Environmental Issues in the Global South](#)
- [HAJ453H1 AIDS: A Global Perspective](#)
- [HIS301H1 Imperial Spain](#)
- [HIS324H1 British Imperial Experience, 1600-2000](#)
- [HIS394H1 20th and 21st Century African Icons: Media and Biography](#)
- [HIS457H1 The French Revolution and the Napoleonic Empire](#)
- [INS201Y1 Introduction to Indigenous Studies: Foundations, History and Politics](#)
- [INS250H1 Indigenous Environmental Science and Practice \(formerly Indigenous Environmental Education\)](#)
- [INS300Y1 Worldviews, Indigenous Knowledges, and Oral Tradition](#)
- [INS302H1 Indigenous Representation in the Mass Media and Society](#)
- [INS322H1 Indigenous Narratives of Empowerment](#)
- [INS355H1 Current Issues in Indigenous Environment and Health](#)
- [INS360Y1 Politics and Process of Reconciliation in Canada](#)
- [INS390H1 Research and Ethics in Indigenous Studies](#)
- [INS402H1 Traditional Indigenous Ecological Knowledge](#)
- [INS491Y1 Topics in International Indigenous Studies](#)
- [JPR374H1 Religion and Power in the Postcolonial](#)
- [JPS315H1 Sexual Diversity Politics](#)
- [LAS200H1 Introduction to Latin American Studies I: Foundational Themes](#)
- [LAS201H1 Introduction to Latin American Studies II: Current Issues](#)
- [NEW150Y1 Introduction to African Studies](#)
- [NEW240Y1 Introduction to Equity Studies](#)
- [NEW270H1 Foundations for Community Engagement](#)
- [NEW322H1 The Contemporary African Novel](#)
- [NEW345H1 Equity and Activism in Education](#)
- [NEW346H1 Community Organizing and Global Solidarity](#)
- [NEW351Y1 African Systems of Thought](#)
- [NEW446H1 Community Development and Social Change](#)
- [NEW447H1 Race, Ethnicity and Educational Praxis](#)
- [PHL316H1 Hegel](#)
- [PHL362H1 Philosophy of History](#)
- [POL201Y1 Politics of Development: Issues and Controversies](#)
- [POL301Y1 Government and Politics in Africa](#)
- [POL305Y1 Politics and Society in Latin America](#)
- [POL326Y1 United States Foreign Policy](#)
- [POL328Y1 Politics and Government in South Asia](#)
- [POL349H1 Global Urban Politics](#)
- [POL360H1 Topics in Latin American Politics](#)
- [POL384H1 Global Environmental Governance from the Ground Up](#)
- [POL412H1 Human Rights and International Relations](#)
- [POL417Y1 Global South in International Politics](#)
- [POL424H1 Globalization and Indigenous Politics](#)
- [POL426H1 Democracy and Dictatorship](#)
- [POL445H1 Politics of Growth in Developing Countries](#)

- [POL447H1 Political Economy of Development](#)
- [RLG100Y1 World Religions](#)
- [RLG233H1 Religion and Popular Culture](#)
- [RLG280Y1 World Religions: A Comparative Study](#)
- [SOC209H1 Sexuality and Modernity](#)
- [SOC214H1 Family Patterns](#)
- [SOC249H1 Sociology of Migration](#)
- [SOC308H1 Global Inequality](#)
- [SOC311H1 Immigration and Race Relations in Canada](#)
- [SOC367H1 Race, Class, and Gender](#)
- [SOC383H1 The Sociology of Women and International Migration](#)
- [USA200H1 Introduction to American Studies](#)
- [USA300H1 Theories and Methods in American Studies](#)
- [WGS273H1 Gender & Environmental \(In\)Justice](#)
- [WGS355H1 Gendered Labour Around the World](#)
- [WGS369H1 Studies in Post-Colonialism](#)
- [WGS385H1 Gender and Neoliberalism](#)
- [WGS426H1 Gender and Globalization: Transnational Perspectives](#)
- [WGS440H1 Decolonial Cyborgs for Planetary Futures](#)
- [WGS450H1 Modernity, Freedom, Citizenship: Gender and the Black Diaspora](#)
- [WGS463H1 Advanced Topics in Gender Theory](#)

Equity Studies Core Group: Disability Studies

- [JNS450H1 Sexuality & Disability](#)
- [NEW241Y1 Introduction to Disability Studies](#)
- [NEW270H1 Foundations for Community Engagement](#)
- [NEW344H1 Equity and the Body](#)
- [NEW349H1 Disability and Representation](#)
- [NEW448H1 Advanced Special Topics in Disability Studies](#)
- [NEW449H1 Contemporary Theories in Disability Studies](#)

Equity Studies Core Group: Global Food Equity

- [NEW270H1 Foundations for Community Engagement](#)
- [NEW315H1 Caribbean Foodways Across History, Culture and Diaspora](#)
- [NEW342H1 Theory and Praxis in Food Security](#)
- [NEW442H1 Food Systems and the Politics of Resistance](#)

Equity Studies Core Group: Social Advocacy

- [NEW270H1 Foundations for Community Engagement](#)
- [NEW345H1 Equity and Activism in Education](#)
- [NEW346H1 Community Organizing and Global Solidarity](#)
- [NEW347H1 Critical Race and Anti-Racism Studies](#)
- [NEW444H1 Social Change and Non-Violence](#)
- [NEW446H1 Community Development and Social Change](#)
- [NEW447H1 Race, Ethnicity and Educational Praxis](#)

Equity Studies Core Group: Special Topics

- [NEW340H1 Special Topics in Equity Studies](#)
- [NEW348H1 Special Topics in Equity Studies](#)

- [NEW440Y1 Advanced Special Topics in Equity Studies](#)
- [NEW441H1 Advanced Topics in Equity Studies](#)
- [NEW443H1 Advanced Special Topics in Equity Studies](#)
- [NEW469Y1 Senior Research Project in Equity Studies](#)

Equity Studies Group A: Gender

- [ANT343H1 Social Anthropology of Gender](#)
- [ANT460H1 Global Perspectives on Womens Health](#)
- [CAS360H1 Asian Genders](#)
- [CLA219H1 Women in Antiquity](#)
- [CLA319H1 Sexuality and Gender in Classical Literature](#)
- [EAS380H1 Writing Women in Premodern China](#)
- [EAS388H1 Asian/North American Feminist Issues](#)
- [ENG355Y1 Transnational Indigenous Literatures](#)
- [FRE304H1 Contemporary French Women's Prose Fiction](#)
- [GGR320H1 Geographies of Transnationalism, Migration, and Gender](#)
- [GGR327H1 Geography and Gender](#)
- [HIS202H1 Gender, Race and Science](#)
- [HIS205H1 Topics in Women's History](#)
- [HIS297Y1 History of Africa from a Gender Perspective](#)
- [HIS348H1 Topics in Gender History](#)
- [HIS354H1 Men, Gender and Power in Europe from the Renaissance to the French Revolution](#)
- [HIS363H1 Dynamics of Gender in Canadian History](#)
- [HIS383Y1 Women in African History](#)
- [HIS406H1 Advanced Topics in Gender History](#)
- [HIS417Y1 The Oldest Profession in Canada: Sex Work Histories in Comparative Contexts](#)
- [HIS446H1 Gender and Slavery in the Atlantic World](#)
- [HIS465Y1 Gender and International Relations](#)
- [HIS481H1 Elite Women, Power, and Modernity in Twentieth-Century Africa](#)
- [HIS486H1 Writing and Masculinity in Africa](#)
- [ITA455H1 Women Writers in Italy](#)
- [JAL355H1 Language and Gender](#)
- [NEW317H1 Caribbean Women Writers](#)
- [NEW325H1 Caribbean Women Thinkers](#)
- [NMC245H1 Women in the Ancient Near East](#)
- [NMC284H1 Topics in Judaism and Feminism: Conflict, Competition, Complement](#)
- [NMC484H1 Gender-related Topics in Law and Religion](#)
- [PHL367H1 Philosophy of Feminism](#)
- [POL303H1 Women in Western Political Thought](#)
- [POL351H1 Gender, Politics, and Public Policy in Comparative Perspective](#)
- [POL432H1 Feminist Theory: Challenges to Legal and Political Thought](#)
- [POL450H1 Women and Politics](#)
- [PSY323H1 Sex Roles and Behaviour](#)
- [RLG235H1 Religion, Gender, and Sexuality](#)
- [RLG311H1 Gender, Body and Sexuality in Asian Traditions](#)
- [RLG312H1 Gender, Body and Sexuality in Islam](#)
- [RLG313H1 Gender, Sexuality and Religion in the West](#)
- [SLA248H1 Women and Women's Themes in Ukrainian Literature](#)
- [SMC322H1 Women and Christianity](#)
- [SOC265H1 Gender and Society](#)
- [SOC314H1 Family Relations](#)

- [SOC365H1 Gender Relations](#)
- [SOC366H1 Sociology of Women and Work](#)
- [SOC383H1 The Sociology of Women and International Migration](#)
- [SOC465H1 Advanced Studies in Gender](#)
- [SPA382H1 Spanish American Women in Art, Film, and Literature](#)
- [VIC341H1 The Self and Society: Women, Men and Children](#)
- [VIC342H1 Women and Writing in the Renaissance](#)
- [VIC343Y1 Sex and Gender](#)
- [WGS160Y1 Introduction to Women and Gender Studies](#)
- [WGS260H1 Texts, Theories, Histories \(formerly WGS262H1/WGS262Y1\)](#)
- [WGS271Y1 Gender in Popular Culture](#)
- [WGS273H1 Gender & Environmental \(In\)Justice](#)
- [WGS367H1 The Politics of Gender and Health](#)
- [WGS372H1 Women and Psychology/ Psychoanalysis](#)
- [WGS373H1 Gender and Violence](#)

Equity Studies Group B: Race, Creed, Ethnicity

- [ANT204H1 Social Cultural Anthropology and Global Issues](#)
- [ANT351H1 Contested Environments](#)
- [ANT458H1 Settler-Colonialism and Indigenous Health in Canada](#)
- [CAS310H1 Comparative Colonialisms in Asia](#)
- [CDN230H1 Asian Canadian History](#)
- [CDN280H1 Canadian Jewish History](#)
- [CDN307H1 Asian Cultures in Canada](#)
- [CDN335H1 Black Canadian Studies](#)
- [EAS497H1 Beyond Orientalism](#)
- [ENG270H1 Introduction to Colonial and Postcolonial Writing](#)
- [ENG355Y1 Transnational Indigenous Literatures](#)
- [ENG356Y1 African Canadian Literature](#)
- [ENG367H1 African Literatures in English](#)
- [ENG368H1 Asian North American Literature](#)
- [ENG369H1 South Asian Literatures in English](#)
- [ENG370Y1 Postcolonial and Transnational Discourses](#)
- [FIN320H1 The Finnish Canadian Immigrant Experience](#)
- [FRE336H1 Postcolonialism: Francophone Literatures](#)
- [GGR240H1 Geographies of Colonialism in North America](#)
- [HIS107Y1 Approaches to East Asian History](#)
- [HIS208Y1 History of the Jewish People](#)
- [HIS221H1 African American History to 1865](#)
- [HIS222H1 African American History from 1865 to the Present](#)
- [HIS230H1 Indigenous and Early Colonial Caribbean History](#)
- [HIS231H1 Revolution and Emancipation in the Colonial Caribbean](#)
- [HIS245H1 European Colonialism, 1700- 1965](#)
- [HIS282Y1 History of South Asia](#)
- [HIS297Y1 History of Africa from a Gender Perspective](#)
- [HIS303H1 The Mediterranean, 600-1300: Crusade, Colonialism, Diaspora](#)
- [HIS305H1 Popular Culture and Politics in the Modern Caribbean](#)
- [HIS338H1 The Holocaust, to 1942 \(formerly HIS338Y1/398Y1\)](#)

- [HIS359H1 Regional Politics and Radical Movements in the 20th Century Caribbean](#)
- [HIS360H1 Critical Histories of the Black Canadian Experience](#)
- [HIS361H1 The Holocaust, from 1942](#)
- [HIS391Y1 Black Freedom in the Atlantic World](#)
- [HIS392Y1 Screening Freedom](#)
- [HIS402H1 Canada and Decolonization](#)
- [HIS413H1 Slave Emancipation in the Atlantic World](#)
- [HIS416H1 Orientalism and Nationalism in Nineteenth-Century Germany](#)
- [HIS467H1 French Colonial Indochina: History, Cultures, Texts, Film](#)
- [HIS470H1 History, Rights, and Difference in South Asia](#)
- [HIS474H1 Emancipate Yourselves from Mental Slavery? Historical Narratives of Caribbean Decolonisation](#)
- [JHN323H1 Indigeneity in the Caribbean](#)
- [JLN327H1 Regional Perspectives on the Hispanic Caribbean](#)
- [INS261H1 Contemporary Challenges Facing Indigenous Communities](#)
- [LAS301H1 Topics in the Humanities](#)
- [LAS302H1 Topics in Latin American Studies](#)
- [LAS401H1 Latinos in Canada](#)
- [NEW150Y1 Introduction to African Studies](#)
- [NEW225H1 Caribbean Societies](#)
- [NEW226H1 Caribbean Political Thought](#)
- [NEW250Y1 Africa in the 21st Century: Challenges and Opportunities](#)
- [NEW322H1 The Contemporary African Novel](#)
- [NEW324H1 The Contemporary Caribbean in a Global Context](#)
- [NEW328H1 Caribbean Indentureship and its Legacies](#)
- [NEW351Y1 African Systems of Thought](#)
- [NEW352H1 International Organizations, NGOs, Development and Change in Africa](#)
- [NEW429H1 Caribbean Diaspora in Canada](#)
- [NEW453Y1 Language and Postcolonial Education in East Africa](#)
- [NMC484H1 Gender-related Topics in Law and Religion](#)
- [POL301Y1 Government and Politics in Africa](#)
- [POL308H1 Indigenous Politics in Canada](#)
- [POL424H1 Globalization and Indigenous Politics](#)
- [POL467H1 The Politics of Immigration and Multiculturalism in Canada](#)
- [RLG313H1 Gender, Sexuality and Religion in the West](#)
- [RLG315H1 Rites of Passage](#)
- [RLG344H1 Antisemitism](#)
- [RLG352H1 Post-Colonial Islam](#)
- [RLG353H1 The Politics of Charity](#)
- [SLA222H1 Forging Identities: The Roma of Central and Eastern Europe](#)
- [SOC210H1 Sociology of Race and Ethnicity](#)
- [SPA486H1 Contemporary Caribbean Literatures and Identities](#)

Equity Studies Group C: Sexual Diversities

- [ANT441H1 Love, Sex, and Marriage](#)
- [ANT456H1 Queer Ethnography](#)
- [ENG273Y1 Queer Writing](#)
- [ENG384Y1 Literature and Psychoanalysis](#)

- [JPS315H1 Sexual Diversity Politics](#)
- [JSU325H1 Queerly Canadian](#)
- [PHL243H1 Philosophy of Human Sexuality](#)
- [SDS255H1 Histories of Sexuality](#)
- [SDS256H1 Methods in Sexual Diversity Studies](#)
- [SDS345H1 Sex and the Epidemic: Social Work, HIV, and Human Sexuality](#)
- [SDS346H1 Feminist and Queer Approaches to Technology](#)
- [SDS354H1 Theories of Sexuality I: Western Trajectories](#)
- [SDS355H1 Theories of Sexuality](#)
- [SDS365H1 Sexuality and Law](#)
- [SDS377H1 Lesbian Studies: Identity/Theory/Culture](#)
- [SDS378H1 Queer Youth Studies in Education](#)
- [SDS379H1 Queer Popular Culture](#)
- [SDS380H1 Sexual Diversity in Transnational Perspective](#)
- [SDS381H1 Intro to Trans Studies](#)
- [SDS382H1 Intro to Queer of Colour Critique](#)
- [SDS390H1 Sexuality & Sport](#)
- [SDS455H1 Special Topics in Sexual Diversity Studies](#)
- [SDS470H1 Sexual Aesthetics/Sexual Representations](#)
- [SDS475H1 The New Queer Visibility](#)
- [SDS477H1 Transgender Studies](#)
- [UNI104H1 Sex in the City](#)
- [WGS374H1 Feminist Studies in Sexuality](#)
- [WGS376H1 Studies in Queer and Trans \(formerly WGS272H1/WGS272Y1\)](#)

Equity Studies Group D: General Equity

- [ANT204H1 Social Cultural Anthropology and Global Issues](#)
- [ANT324H1 Tourism & Globalization](#)
- [ANT327H1 "Diversity": Critical/Comparative Studies of Indigeneity, Multiculturalism and \(Settler\) Colonialism](#)
- [ANT329H1 Language & Power Structure](#)
- [ANT346H1 Anthropology of Food](#)
- [ANT348H1 Medical Anthropology: Social- Cultural Perspectives](#)
- [ANT358H1 Medical Anthropology and Social Justice](#)
- [ANT364H1 Environment & Globalization](#)
- [ANT366H1 Anthropology of Activism and Social Justice](#)
- [ANT388H1 Anthropologists and Indigenous Peoples in North America](#)
- [ANT420H1 Archaeology of Inequality](#)
- [ANT426H1 Western Views of the Non-West](#)
- [ANT427H1 Language, Ideology, & Political Economy](#)
- [ANT452H1 Anthropology & Human Rights](#)
- [ANT472H1 Japan in Global Context: Anthropological Perspectives \(formerly ANT354Y1 and ANT354H1\)](#)
- [ANT474H1 Ethnographies of HIV/AIDS: Risk, Vulnerability, and Care](#)
- [ARC233H1](#)
- [CAS350H1 Asian Youth Cultures](#)
- [CAS420H1 Asia and the New Global Economy](#)
- [CDN267H1 Canadian Nationalisms](#)
- [CDN367H1 Canadian Pluralism](#)
- [CRI487H1 Law, Space, and the City](#)
- [DTS200Y1 Introduction to Diaspora and Transnational Studies I](#)
- [DTS401H1 Advanced Topics in Diaspora and Transnationalism](#)

- [DTS402H1 Advanced Topics in Diaspora and Transnationalism](#)
- [EAS315H1 The "Yellow Peril": Past & Present](#)
- [EAS439H1 The Global Bildungsroman: Narratives of Development, Time, and Colonialism](#)
- [ENG254H1 Introduction to Indigenous Literatures](#)
- [ENV430H1 Environment and Health in Vulnerable Populations](#)
- [GGR107H1 Environment, Food and People](#)
- [GGR112H1 Geographies of Globalization, Development and Inequality](#)
- [GGR240H1 Geographies of Colonialism in North America](#)
- [GGR241H1 Geographies of Urban Social Exclusion](#)
- [GGR321H1 Indigenous Worlds, Worldviews and the Environment](#)
- [GGR328H1 Labour Geographies](#)
- [GGR329H1 The Global Food System](#)
- [GGR338H1 Environmental Issues in the Global South](#)
- [GGR339H1 Urban Geography, Planning and Political Processes](#)
- [GGR357H1 Housing and Community Development](#)
- [GGR363H1 Critical Geographies: An Introduction to Radical Ideas on Space, Society and Culture](#)
- [GGR418H1 Political Economy of Natural Resources](#)
- [GGR419H1 Environmental Justice](#)
- [GGR420H1 Critical Development Geography](#)
- [GGR434H1 Building Community Resilience](#)
- [GGR452H1 Space, Power, Geography: Understanding Spatiality](#)
- [GGR457H1 The Post-War Suburbs](#)
- [HAJ453H1 AIDS: A Global Perspective](#)
- [HIS106Y1 The African Diaspora in the Americas, 1492-1804](#)
- [HIS318H1 The "Wild" West in Canada](#)
- [HIS323H1 Rites of Passage and Daily Life in the Middle Ages](#)
- [HIS366H1 Aboriginal Peoples of the Great Lakes from 1815 to the Present](#)
- [HIS369H1 Aboriginal Peoples of the Great Lakes from 1500 to 1830](#)
- [HIS424H1 Violence in Medieval Society](#)
- [HIS459H1 Soviet History and Film, 1921-1946](#)
- [HIS472H1 Indigenous-Newcomer Relations in Canadian History](#)
- [HIS480H1 Modernity and its Others: History and Postcolonial Critique](#)
- [HIS489H1 The History of Psychiatry and Psychiatric Illness](#)
- [HMB203H1 Introduction to Global Health](#)
- [HMB303H1 Global Health and Human Rights](#)
- [HMB443H1 Global Hidden Hunger](#)
- [HPS324H1 Natural Science and Social Issues](#)
- [HST330H1 Population Health](#)
- [HST411H1 Political Economy of Health](#)
- [INS200H1 Introduction to Indigenous Truth and Resilience](#)
- [INS201Y1 Introduction to Indigenous Studies: Foundations, History and Politics](#)
- [INS240Y1 Ecological Interactions: Intro to Indigenous and Western Sciences](#)
- [INS250H1 Indigenous Environmental Science and Practice \(formerly Indigenous Environmental Education\)](#)
- [INS261H1 Contemporary Challenges Facing Indigenous Communities](#)
- [INS300Y1 Worldviews, Indigenous Knowledges, and Oral Tradition](#)

- [INS301Y1 Native Language and Culture](#)
- [INS302H1 Indigenous Representation in the Mass Media and Society](#)
- [INS322H1 Indigenous Narratives of Empowerment](#)
- [INS340Y1 Indigenous Health Science](#)
- [INS341H1 North American Indigenous Theatre](#)
- [INS350H1 Indigenous Health Systems](#)
- [INS351Y1 Indigenous Legends & Teaching](#)
- [INS353H1 First Nations Politics in Canada](#)
- [INS354H1 Indigenous Governance and Self-Determination](#)
- [INS360Y1 Politics and Process of Reconciliation in Canada](#)
- [INS402H1 Traditional Indigenous Ecological Knowledge](#)
- [INS403H1 Indigenous Peoples and the Urban Context](#)
- [INS405H1 Indigenous Thought & Expression: Creative Non-fiction](#)
- [JFP450H1 Indigenous Issues in Health and Healing](#)
- [JGI216H1 Globalization and Urban Change](#)
- [JNH350H1 AIDS : Challenges and Successes](#)
- [JSU237H1 Introduction to HIV/AIDS: Health, Sexuality and Gender \(formerly UNI237H1\)](#)
- [JUG325H1 Landscapes of Violence in Canada](#)
- [NEW214H1 Socially Engaged Buddhism](#)
- [PHL273H1 Environmental Ethics](#)
- [PHL281H1 Bioethics](#)
- [PHL380H1 Global Bioethics](#)
- [PHL383H1 Ethics and Mental Health](#)
- [PHL384H1 Ethics, Genetics and Reproduction](#)
- [POL201Y1 Politics of Development: Issues and Controversies](#)
- [POL344H1 Social Movements in Europe and North America](#)
- [POL412H1 Human Rights and International Relations](#)
- [POL421H1 Maimonides and His Modern Interpreters](#)
- [POL439H1 The Canadian Welfare State in Comparative Perspective](#)
- [POL480H1 Studies in Comparative Political Theory](#)
- [RLG317H1 Religious Violence and Nonviolence](#)
- [SAS318H1 Colonialism and Tradition](#)
- [SOC207H1 Sociology of Work & Occupations](#)
- [SOC220H1 Social Inequality in Canada](#)
- [SOC282H1 Introduction to Social Problems](#)
- [SOC309H1 HIV and AIDS: Social Policies and Programs](#)
- [SOC355H1 Introduction to Social Network Analysis](#)
- [SOC363H1 Sociology of Mental Health and Mental Disorders](#)
- [SOC364H1 Urban Health](#)
- [SOC367H1 Race, Class, and Gender](#)
- [SOC479H1 Advanced Studies in Social Movements](#)
- [UNI101H1 Citizenship in the Canadian City](#)
- [VIC260H1 Equity and Diversity in Education](#)

Caribbean Studies Core Group

- [HIS230H1 Indigenous and Early Colonial Caribbean History](#)
- [HIS231H1 Revolution and Emancipation in the Colonial Caribbean](#)
- [HIS474H1 Emancipate Yourselves from Mental Slavery? Historical Narratives of Caribbean Decolonisation](#)
- [JHN323H1 Indigeneity in the Caribbean](#)

- [JLN327H1 Regional Perspectives on the Hispanic Caribbean](#)
- [JLN427H1 Advanced Topics: The Hispanic Caribbean](#)
- [NEW220H1 Comparative Caribbean Literature I: Canonical Readings](#)
- [NEW221H1 Comparative Caribbean Literature II: Contemporary Readings](#)
- [NEW225H1 Caribbean Societies](#)
- [NEW226H1 Caribbean Political Thought](#)
- [NEW315H1 Caribbean Foodways Across History, Culture and Diaspora](#)
- [NEW316H1 Caribbean Religions](#)
- [NEW317H1 Caribbean Women Writers](#)
- [NEW321H1 Caribbean Visual Arts, Social Media and Performance](#)
- [NEW324H1 The Contemporary Caribbean in a Global Context](#)
- [NEW325H1 Caribbean Women Thinkers](#)
- [NEW328H1 Caribbean Indentureship and its Legacies](#)
- [NEW329H1 Special Topics in Caribbean Studies](#)
- [NEW421H1 Global Perspectives on the Haitian Revolution](#)
- [NEW423H1 Special Topics in Caribbean Studies](#)
- [NEW426H1 Special Topics in Caribbean Studies](#)
- [NEW426Y1 Special Topics in Caribbean Studies](#)
- [NEW428H1 Caribbean Migrations and Diasporas](#)
- [NEW429H1 Caribbean Diaspora in Canada](#)
- [SPA486H1 Contemporary Caribbean Literatures and Identities](#)

New College Courses

NEW198H1 - Myths of French Sensuality

Hours: 24S

A study of French cultural history with respect to the French reputation for the indulgence and refinement of all the senses in visual arts, music, cuisine, perfume and fashion. Supporting mythologies are investigated, along with stereotype formation, exoticism and cultural appropriation. Through various research, writing and presentation techniques, including mini-essays, poster displays and pecha kucha, students will explore what is left of this reputation in an era of globalization. No knowledge of French is necessary. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NEW199H1 - We Are What We Eat: The Example of French Cuisine

Hours: 24S

The historical study of French cuisine reveals a culture rich in controversy and conflicting narratives. These include contested origins, court intrigues, sensual delight, revolutions, colonialism and slavery, controversial farm practices, haute cuisine, cuisine bourgeoise, regionalism, European regulation. Through various research, writing and presentation techniques, including mini-essays, wikis and pecha kucha, students will explore what is left of French food culture in an era of globalization. No knowledge of French is necessary. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

New One: Learning Without Borders

NEW101H1 - The Everyday Politics of Food

Hours: 12L/24S

How often do we reflect on the environmental, social and economic impact of our everyday food choices? This course offers an introduction to the key concepts, terms and theories that underlie our current food system. The course links the food we eat to global forces and considers how these forces affect food distribution, access and consumption. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: Admission to New One

Exclusion: INI/Munk/SMC/TRN/UNI/VIC/WDW One; NEW102H1/ NEW103H1/ NEW104H1/ NEW105H1/ NEW106H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW102H1 - Exploring Multilingual Toronto

Hours: 12L/24S

How does language connect and divide people, places and communities? This course considers how interactions between people in Toronto are shaped by language as well as history, economy, architecture and urban landscapes. Students engage with the city both in and out of class to think about a range of questions linked to gender and sexuality, indigeneity, migration, race, ethnicity, and public/private space. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: Admission to New One

Exclusion: INI/Munk/SMC/TRN/UNI/VIC/WDW One; NEW101H1/ NEW103H1/ NEW104H1/ NEW105H1/ NEW106H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

NEW105H1 - Current Issues Without Borders

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Hours: 12L/24S

This interdisciplinary course addresses a current issue that exemplifies the themes of "Learning Without Borders" in New One. It investigates how this issue is implicated in connecting us with others around the globe; it engages different kinds of knowledge and community perspectives; and integrates students' own experience as related to the issue. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: Admission into New One

Exclusion: INI/Munk/SMC/TRN/UNI/VIC/WDW One; NEW101H1/ NEW102H1/ NEW103H1/ NEW104H1/ NEW106H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW103H1 - Digital Technology and Society

Hours: 12L/24S

While the internet and other forms of digital technology have created new forms of social relationships and widened access to information, they have also raised concerns. This course explores issues such as surveillance, addiction and bullying as well as the potential of digital technologies (e.g. smart cities, Big Data, and the internet of things). The course engages students' own experience of digital technology. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: Admission to New One

Exclusion: INI/Munk/SMC/TRN/UNI/VIC/WDW One; NEW101H1/ NEW102H1/ NEW104H1/ NEW105H1/ NEW106H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW106H1 - Science, Health and Social Justice

Hours: 12L/24S

How can scientific knowledge and research be mobilized to impact individual and global health? How is health impacted by social, racial and economic inequalities? This course explores scientific research and practice with special attention to the translation of scientific knowledge in the public sphere, and its ability to inform policies, practices and laws. Students have the opportunity to meet with clinician-scientists, policy-makers, and other professionals connected to the health care system. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: Admission to New One

Exclusion: INI, SMC, TRI, UC, VIC, WDW One, Munk One; NEW101H1/ NEW102H1/ NEW103H1/ NEW104H1/ NEW105H1

Recommended Preparation: None

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW104H1 - Creating Community: Art, Identity and Belonging

Hours: 12L/24S

How is art implicated in the process of community building? How does art foster a sense of community identity and belonging? This course explores how communities, in Toronto and beyond, engage a variety of art forms including graffiti, spoken-word, hip-hop, digital art, traditional dance and music to connect people and express community identity. Students will have the opportunity to visit community arts projects. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: Admission to New One

Exclusion: INI/Munk/SMC/TRN/UNI/VIC/WDW One; NEW101H1/ NEW102H1/ NEW103H1/ NEW105H1/ NEW106H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NEW111H1 - Food, Ethics and Sustainability

Hours: 12L/24S

How do we produce and ensure access to nutritious and environmentally sustainable food for all? This course explores what is involved in achieving ethical food production and food security, examining topics such as: the paradox of food waste amidst scarcity, the relationship between food production and climate change, community-led alternatives to dominant food systems, and the role of biotechnology. Research projects allow students to focus on an issue of particular interest. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: NEW101H1/ NEW102H1/ NEW103H1/ NEW104H1/ NEW105H1/ NEW106H1/Permission of the New One Coordinator

Exclusion: INI/Munk/SMC/TRN/UNI/VIC/WDW One; NEW112H1/ NEW113H1/ NEW114H1/ NEW115H1/ NEW116H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW113H1 - Unpacking Digital Technology

Hours: 12L/24S

What are the social and material implications of the digital technologies we use every day - for the present and for the future? This course explores how digital technologies have been remaking the world and affecting our lives by tracing their historical development, their social effects, and the impact of their physical presence. It also peers into scenarios of the future in this digital world. Students engage in research on a topic of their own interest. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: NEW101H1/ NEW102H1/ NEW103H1/ NEW104H1/ NEW105H1/ NEW106H1/Permission of the New One Coordinator

Exclusion: INI/Munk/SMC/TRN/UNI/VIC/WDW One; NEW111H1/ NEW112H1/ NEW114H1/ NEW115H1/ NEW116H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW114H1 - Art for Social Change

Hours: 12L/24S

How does art contribute to social change? Artistic productions can draw attention to social problems, mobilize support for and symbolize social movements, and inspire new visions for imagined futures. This course will explore case studies of the role of various art forms in relation to past and current social change initiatives. Students will have the opportunity to engage in research on an art project of their choice. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: NEW101H1/ NEW102H1/ NEW103H1/ NEW104H1/ NEW105H1/ NEW106H1/Permission of the New One Coordinator

Exclusion: INI/Munk/SMC/TRN/UNI/VIC/WDW One; NEW111H1/ NEW112H1/ NEW113H1/ NEW115H1/ NEW116H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NEW115H1 - Current Issues Without Borders II

Hours: 12L/24S

Building on the integrated learning from any New One course, this course explores, in more depth, the social and ethical implications of a current issue exemplifying the themes of "Learning without Borders." Normally, this course would address the same current issues as offered in NEW105H1 in the preceding term. The course also considers examples of policy and community organizing responses. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: NEW101H1/ NEW102H1/ NEW103H1/ NEW104H1/ NEW105H1/ NEW106H1/Permission of the New One Coordinator

Exclusion: INI/Munk/SMC/TRN/UNI/VIC/WDW One; NEW111H1/ NEW112H1/ NEW113H1/ NEW114H1/ NEW116H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW116H1 - Science and Global Threats**Hours:** 12L/24S

What is the role of science in addressing current global threats? What are the possibilities and the limitations of scientific research and knowledge in tackling complex problems such as climate change, pandemics and pollution? In this course, students explore these questions by examining case studies, meeting with specialists in various scientific fields, and engaging in research on a topic of their own choice. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: NEW101H1/ NEW102H1/ NEW103H1/ NEW104H1/ NEW105H1/ NEW106H1, or permission of the New One Coordinator

Exclusion: INI, SMC, TRI, UC, VIC, WDW One, Munk One; NEW111H1/ NEW112H1/ NEW113H1/ NEW114H1/ NEW115H1

Recommended Preparation: None

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW250Y1 - Africa in the 21st Century: Challenges and Opportunities**Hours:** 48L

A critical examination of Africa as a living space rather than merely a site of intellectual speculation and study. Uses scholarly and popular literature to explore the issues that engage the attention of ordinary Africans, ranging from the dramatic to the seemingly trivial, as they struggle to fashion meaningful lives in fast-changing societies. Topics include urban transition and city life; economic, political and cultural impacts of globalization; new religious movements and changing conceptions of selfhood; new African diasporas in the West; dynamics of gender relations, kinships and identities; and the politics of liberalization. Materials studied will include print and electronic news media and other mass media resources from Africa and across the world.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

African Studies Courses**NEW150Y1 - Introduction to African Studies****Hours:** 48L/24T

A multi-disciplinary study of Africa, emphasizing inquiry and critical analysis. Pre-colonial, colonial and contemporary African history, anthropology, politics, African humanism and society, religion, art, music, race, resistance, gender and Pan-Africanism.

Exclusion: AFSA01H3

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

NEW280Y1 - Introductory Swahili**Hours:** 24L/72T

Introduction to grammar and basic vocabulary of Swahili. Emphasis on comprehension and oral practice. Reading of selected texts. Relation of the language to its East African cultural context.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NEW322H1 - The Contemporary African Novel

Previous Course Number: NEW322Y1

Hours: 24S

Novels written in the last forty years by English, French and Portuguese-speaking Africans. Ideological views concerning colonialism and neo-colonialism. Tradition, religious and secular; the use of African symbolism. A small number of historical and sociological texts are recommended as essential background reading. Works not written in English are read in translation. (Offered in alternate years)

Exclusion: NEW322Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

JNH350H1 - AIDS : Challenges and Successes

Previous Course Number: NEW350H1

Hours: 24L

Explores the pandemic of AIDS in Africa through a social science lens. (Given by Human Biology and New College)

Exclusion: NEW350H1

Recommended Preparation: NEW150Y1

Distribution Requirements: Humanities; Science; Social Science

Breadth Requirements: Society and its Institutions (3)

NEW353H1 - International Relations of Africa

Hours: 24L

Explores inter-state relations in Africa, African states' relations with the West, China, India, Brazil, and international political, economic and financial institutions.

Prerequisite: NEW150Y1/ NEW250Y1

Exclusion: POLC80H3

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

NEW351Y1 - African Systems of Thought

Previous Course Number: NEW252Y1

Hours: 48L

The exploration of a range of African cosmologies, epistemologies, and theologies, as well as specific case studies on justice, the moral order, and gender relations. The influence of these richly diverse traditions is traced as well in the writings of African thinkers in the Diaspora.

Exclusion: NEW252Y1, JAP256H1/ JAP356H1

Recommended Preparation: NEW150Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3); Thought, Belief and Behaviour (2)

NEW357H1 - Special Topics in African Studies

Hours: 24L

An upper level course. Topics of study vary from year to year.

Prerequisite: NEW150Y1/ NEW250Y1

NEW352H1 - International Organizations, NGOs, Development and Change in Africa

Hours: 24L

Critically explores the role of international organizations such as the World Bank Group, the UN and NGOs in the economic development of Africa.

Prerequisite: NEW150Y1/ NEW250Y1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

NEW358H1 - Special Topics in African Studies

Hours: 24L

An upper level course. Topics of study vary from year to year.

Prerequisite: NEW150Y1/ NEW250Y1

Distribution Requirements: Humanities; Social Science

JQR360H1 - The Canadian Census: Populations, Migrations and Demographics

Hours: 24L/12T

Examines the Canadian population census through the experience of diasporic groups in Canada. Approaches the census as a statistical tool, an historical source and an ideological project of citizenship and nationalism. Uses census data to explore mathematical and statistical concepts and to integrate numerical ways of thinking with qualitative analysis. (Jointly sponsored by African Studies, Diaspora and Transnational Studies, Caribbean Studies, Equity Studies and Latin American Studies).

Prerequisite: DTS200Y1/ HIS230H1/ HIS231H1/ LAS200H1/ LAS201H1/ NEW120Y1/ NEW150Y1/ NEW220H1/ NEW221H1/ NEW224Y1/ NEW225H1/ NEW226H1/ NEW240Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW380Y1 - Intermediate Swahili**Hours:** 24L/72T

Grammar and syntax. Conversation and written composition. Reading of texts: literary, journalistic. Relation of the language to its East African context.

Prerequisite: NEW280Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NEW450Y1 - Advanced Topics in African Studies****Hours:** 24S

A required course for all Specialists and Majors in the African Studies Program, enrolment is restricted to students enrolled in the program in their final year of study. The seminar is taught by the core faculty in the African Studies Program and is designed to build upon the accumulated knowledge of students and the interdisciplinary nature of the program. Topics vary from year to year.

Distribution Requirements: Humanities**NEW451H1 - Special Topics in African Studies****Hours:** 24L

An upper level course. Topics of study vary from year to year.

Prerequisite: NEW150Y1/ NEW250Y1**Distribution Requirements:** Humanities; Social Science**NEW453H1 - Language and Postcolonial Education in East Africa****Hours:** 24S

Examines the choice of languages for education in East Africa using critical perspectives. Pays particular attention to the influences of the historical experience of colonialism, the socio-linguistic contours of each country and the strength of linguistic and educational lobby groups in East African countries.

Prerequisite: NEW150Y1/ NEW250Y1**Exclusion:** NEW453Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NEW453Y1 - Language and Postcolonial Education in East Africa****Hours:** 48S

Examines the choice of languages for education in East Africa using critical perspectives. Pays particular attention to the influences of the historical experience of colonialism, the socio-linguistic contours of each country and the strength of linguistic and educational lobby groups in East African countries.

Prerequisite: NEW150Y1/ NEW250Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1); Society and its Institutions (3)**NEW454H1 - Migration, Mobility, and Displacement in Contemporary Africa****Hours:** 24S

Why do people move voluntarily or involuntarily? What are the causes and consequences of migration and displacement in Africa? This course critically examines the multifaceted dimensions of migration, mobility, and displacement, with a specific focus on communities and populations displaced by war, environmental destruction and disaster, economic failings, and the quest for economic opportunities, love, education, or individual freedom.

Prerequisite: NEW150Y1/ NEW250Y1 or permission of the instructor.**Exclusion:** NEW451H1 (Fall 2016)**Recommended Preparation:** JQR360H1/ NEW351Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**NEW459H1 - Advanced Special Topics in African Studies****Hours:** 24L

An upper-level course. Topics of study vary from year to year.

Prerequisite: NEW150Y1/ NEW250Y1**Distribution Requirements:** Humanities; Social Science

Buddhism, Psychology and Mental Health Courses

NEW214H1 - Socially Engaged Buddhism

Hours: 24L

Socially Engaged Buddhism applies traditional Buddhist spiritual, ethical and social teachings to improve society. This course will focus on contemporary movements in Vietnam, Tibet, China & Taiwan, Sri Lanka, Thailand and India, as well as its ramifications in the West that have inspired movements such as Buddhist prison ministries and the Peacemaker Order.

Exclusion: NEW214Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

NEW232H1 - Buddhist Psychology

Previous Course Number: NEW232Y1

Hours: 36L

Describes the psychology inherent within the original teachings of Buddhism. Primary focus is on the understanding of the causes of suffering and happiness, the nature of cognition and emotion, characteristics of the self/ego, personality transformation, the role of the unconscious, and mindfulness meditation. Includes an option for Community Engaged Learning experience.

Exclusion: NEW232Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

JNR301H1 - The History of Buddhist Meditation

Hours: 36L

This course will survey historical, cultural, and textual contexts for Buddhist meditative and contemplative practices and techniques.

Prerequisite: RLG206H1/ NEW232Y1/ NEW232H1

Corequisite: None

Exclusion: None

Recommended Preparation: None

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

NEW330H1 - Mindfulness-Informed Interventions for Mental Health

Hours: 36L

An exploration of the current interest in incorporating mindfulness into western mental health interventions. Examines the concept of mindfulness closely to show how mindfulness is implicitly a component of western psychological theories and interventions. Also discussed is how mindfulness is used directly and indirectly as a psychological intervention.

Prerequisite: Completion of 9 FCEs

Recommended Preparation: NEW232H1/ NEW232Y1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

NEW332H1 - Buddhism and Psychotherapy

Hours: 36L

Evaluates the relationship between Buddhist psychology and the practice of Western psychotherapy. Areas that will be studied include positive psychology, psychoanalysis, cognitive-behaviour therapy, mindfulness meditation and Jungian psychology. Comparisons with original Buddhist teachings and commentaries will be made.

Recommended Preparation: NEW232H1/ NEW232Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

NEW333H1 - Buddhism and Cognitive Science

Hours: 36L

Explores some important connections between Cognitive Science and Buddhism. In particular it will examine the insights of cognitive science into central Buddhist concepts such as wisdom, mindfulness, meditation, insight and self-control, as well as related concepts such as flow and mystical experience.

Recommended Preparation: NEW232H1/ NEW232Y1/ RLG206H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

NEW334H1 - Science of Wisdom: Buddhist and Western Traditions

Hours: 36L

Provides a conceptual and practical exploration of several ancient wisdom traditions. Buddhist approaches to self-actualization and wisdom will be compared to several other wisdom traditions (e.g. Mesopotamia, classical Greece, Christianity, Renaissance, etc.) Includes guided experiential exercises for each of the wisdom traditions.

Recommended Preparation: NEW232H1/ NEW232Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

NEW338H1 - Exploring Mindful Awareness

Hours: 36L

Mindfulness meditation is a systematic investigation of subjective experience. Classic and modern descriptions of mindfulness and the recent scientific literature are surveyed. In addition to exploring a variety of meditative practices in the class, students are also required to maintain an ongoing meditation practice outside of class time over the duration of the course.

Prerequisite: NEW232H1/ NEW232Y1/ NEW332H1/ NEW333H1/ NEW334H1/ NEW335H1/ NEW339H1

Exclusion: NEW432H1 (Advanced Special Topics in Buddhism, Psychology and Mental Health: Cultivating Consciousness), offered in Fall 2012, Fall 2013, Fall 2014, Summer 2015, and Winter 2016

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

NEW335H1 - Meditation and the Body

Hours: 36L

In recent years, the effects of meditation on the body have been widely researched. There is an increasing body of evidence that mindfulness meditation can affect brain activity, brain structure, neurochemistry and other psychobiological processes (e.g. blood pressure, cardiac function). This course will examine the research in this emerging field.

Prerequisite: Completion of 9.0 FCEs

Recommended Preparation: NEW232H1/ NEW232Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

NEW339H1 - Yogacara Buddhism and Western Psychology

Hours: 36L

A comparative study of the nature of mind in Indian Yogacara Buddhism and modern psychology. Yogacara Buddhist teachings address the three aspects of mind, the storehouse consciousness, and the theory of consciousness-only, allowing an interdisciplinary dialogue with modern scientific understandings of the mind in psychology.

Recommended Preparation: NEW232H1/ NEW232Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

NEW336H1 - Special Topics in Buddhism, Psychology and Mental Health

Hours: 36L

Topics vary from year to year depending on the instructor.

Recommended Preparation: NEW232H1/ NEW232Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

NEW430H1 - Jungian Psychology and Tantric Buddhism

Hours: 36L

Jung wrote extensively on the benefits of Buddhism to personal development and transformation. This course explores the contribution of Jungian psychology to understanding Tantric (or Vajrayana) Buddhism. Through experiential exercises, students will investigate the role of archetypal psychology as a mediator of the spiritual transformation described in Tantric Buddhism.

Prerequisite: NEW232H1/ NEW232Y1

Exclusion: NEW433H1 (Advanced Special Topics in Buddhism, Psychology and Mental Health: The Psychology of Tantric Buddhism), offered in Winter 2015 and Winter 2016

Recommended Preparation: NEW302Y1/ NEW303H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NEW337H1 - Special Topics in Buddhism, Psychology and Mental Health

Hours: 36L

Topics vary from year to year.

Prerequisite: 0.5 FCE from the Buddhism, Psychology and Mental Health Core Course Group.

Recommended Preparation: NEW232H1/ NEW232Y1

Distribution Requirements: Social Science

NEW432H1 - Advanced Special Topics in Buddhism, Psychology and Mental Health

Hours: 36L

An upper-level seminar. Topics vary from year to year, depending on the instructor.

Recommended Preparation: NEW232H1/ NEW232Y1/ RLG206H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

NEW433H1 - Advanced Special Topics in Buddhism, Psychology and Mental Health

Hours: 36S

An upper-level seminar. Topics vary from year to year, depending on the instructor.

Recommended Preparation: NEW232H1/ NEW232Y1/ RLG206H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

NEW438H1 - Mindfulness Meditation: Science and Research

Hours: 36S

Critically evaluates the empirical research literature relevant to the study of mindfulness meditation. Conceptual, methodological and interpretive limitations of the scientific literature are discussed. Comparisons between the scientific models of mindfulness meditation and Buddhist descriptions will be made.

Prerequisite: A statistics course (e.g. PSY201H1, SOC202H1, STA220H1)

Recommended Preparation: NEW232H1/ NEW232Y1/ NEW331H1/ NEW333H1

Distribution Requirements: Social Science

Breadth Requirements: The Physical and Mathematical Universes (5)

Caribbean Studies Courses

NEW120Y1 - Introduction to Caribbean Studies

Hours: 48L/24T

Explores the complex and diverse languages, geographies, regional and national histories, cultural practices, intellectual traditions and political and economic landscapes of the Caribbean region, its people and its diasporas. Students will be introduced to the main questions, themes, and debates in Caribbean Studies. Lectures and readings develop the skills to take an interdisciplinary approach to Caribbean Studies.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

NEW220H1 - Comparative Caribbean Literature I: Canonical Readings

Hours: 24L

Introduction to the rich and multi-linguistic literary traditions of the Caribbean and its diaspora, focusing on canonical texts of Caribbean literature. Texts not originally written in English are read in translation.

Exclusion: NEW222H1, NEW222Y1, NEW223Y1

Recommended Preparation: NEW120Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NEW221H1 - Comparative Caribbean Literature II: Contemporary Readings

Hours: 24L

Focuses on recent literary production, written in the last decade, from the Caribbean, insular and continental, and its diaspora. Texts not originally written in English are read in translation. While NEW220H1 is an excellent companion course, NEW221H1 can be taken independently.

Exclusion: NEW222H1, NEW222Y1, NEW223Y1

Recommended Preparation: NEW120Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NEW225H1 - Caribbean Societies**Hours:** 24L/12T

Offers an interdisciplinary introduction to Caribbean sociology, focusing on the writings of thinkers and scholars from the era of decolonization to the more contemporary period. Themes may include: colonial encounters in the making of Caribbean societies; the role of religion; popular consciousness; histories of capitalism and exploitation; the relationship between political institutions and the wider society; "development", dependency and "underdevelopment".

Exclusion: NEW224Y1**Recommended Preparation:** NEW120Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**NEW316H1 - Caribbean Religions****Hours:** 24L

Explores the complex and dynamic practices, philosophies and political and cultural contexts of Caribbean religions. Topics may include the profound impact - in both the Caribbean and its diasporas - of Caribbean Christianities, Hinduism and Islam as well as Afro-Creole religions such as Vodun, Rastafari and Santeria.

Prerequisite: HIS230H1/ HIS231H1/ NEW120Y1/ NEW220H1/ NEW221H1/ NEW224Y1/ NEW225H1/ NEW226H1**Exclusion:** NEW329H1 Special Topics in Caribbean Studies: Caribbean Religions**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**NEW226H1 - Caribbean Political Thought****Hours:** 24L/12T

Examines currents of Caribbean political thought from the Haitian Revolution to the present. Themes may include: struggles for independence and liberation, particularly the Haitian and Cuban Revolutions; theories of dependency; Caribbean political systems; regional integration; contemporary political issues facing Caribbean societies today; analyses of capitalism by Caribbean thinkers.

Exclusion: NEW224Y1**Recommended Preparation:** NEW120Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**NEW317H1 - Caribbean Women Writers****Hours:** 24L

A critical feminist reading of selected works of fiction, poetry and essays by Caribbean women writers. The aim is to appraise the development of this literature, situate texts within the key social and political debates which have influenced the region's literary output, as well as to consider the implications of the environments within which these writers function.

Prerequisite: Completion of 4.0 FCEs**Exclusion:** WGS330H1**Recommended Preparation:** NEW120Y1/ NEW220H1/ NEW221H1/ WGS160Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**NEW315H1 - Caribbean Foodways Across History, Culture and Diaspora****Hours:** 24L

Examines the historical roots of regional Caribbean food from the colonial period to the present day, and then moves to study Caribbean food in the global and Caribbean-Canadian diasporas, in the literary imagination, as a marker of personal, group and national identity, and as cultural expression.

Prerequisite: Completion of 4.0 FCE.**Recommended Preparation:** HIS230H1/ HIS231H1/ NEW120Y1/ NEW220H1/ NEW221H1/ NEW224Y1/ NEW225H1/ NEW226H1/ NEW240Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**NEW321H1 - Caribbean Visual Arts, Social Media and Performance****Hours:** 24L

Explores themes relating to visual arts, social media and theatre in the Caribbean. Topics may include: theatre, film, mixed media arts, the role of the internet and online publishing in the arts and the relationship between artists, the state and wider society.

Prerequisite: HIS230H1/ HIS231H1/ NEW120Y1/ NEW220H1/ NEW221H1/ NEW224Y1/ NEW225H1/ NEW226H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

JHN323H1 - Indigeneity in the Caribbean**Hours:** 24L

Explores the legacies of the pre-Columbian era, as well as the post-1492 experiences of people of pre-Columbian Caribbean ancestry. Examines the origins and consequences of the Caribbean's narrative of "indigenous absence", as well as the relationship between indigeneity, globalization and diaspora.

Prerequisite: INS201Y1/ HIS230H1/ HIS231H1/ NEW120Y1/ NEW220H1/ NEW221H1/ NEW224Y1/ NEW225H1/ NEW226H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

JLN327H1 - Regional Perspectives on the Hispanic Caribbean**Hours:** 24L

Explores the Hispanic areas of the Caribbean including the Caribbean areas of continental Spanish-speaking America. Topics may include: regional politics, state and economy; revolutions and authoritarian regimes; popular culture, the arts and media; religion and society; gender and sexuality; state structures; diasporas and migration.

Prerequisite: HIS230H1/ HIS231H1/ NEW120Y1/ NEW220H1/ NEW221H1/ NEW224Y1/ NEW225H1/ NEW226H1/ LAS200H1/ LAS201H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW324H1 - The Contemporary Caribbean in a Global Context**Hours:** 24L

This upper level course examines the interplay between wider global processes and intra-regional responses that together help shape contemporary Caribbean realities. Topics include: economic crisis and structural adjustment; tourism; the agricultural sector; the Caribbean Single Market and Economy; migration and diaspora.

Prerequisite: HIS230H1/ HIS231H1/ NEW120Y1/ NEW220H1/ NEW221H1/ NEW224Y1/ NEW225H1/ NEW226H1

Exclusion: NEW324Y1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

NEW328H1 - Caribbean Indentureship and its Legacies**Hours:** 24L

Explores indentured migration and its legacies from the 17th century through to the present. Encourages students to think comparatively and transnationally about indentureship and diaspora, as well as indentured migration's relationship to contract and labour law.

Prerequisite: HIS230H1/ HIS231H1/ NEW120Y1/ NEW220H1/ NEW221H1/ NEW224Y1/ NEW225H1/ NEW226H1

Exclusion: NEW326Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

NEW325H1 - Caribbean Women Thinkers**Hours:** 24L

An examination of the historical and political significance of writings (literary, political, scholarly) by Caribbean women who engage problems within Caribbean culture and provide insights into the endeavours of the peoples of the region.

Prerequisite: Completion of 4.0 FCE.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NEW329H1 - Special Topics in Caribbean Studies**Hours:** 24L

An upper level course. Topics of study vary from year to year.

Distribution Requirements: Humanities; Social Science

JQR360H1 - The Canadian Census: Populations, Migrations and Demographics

Hours: 24L/12T

Examines the Canadian population census through the experience of diasporic groups in Canada. Approaches the census as a statistical tool, an historical source and an ideological project of citizenship and nationalism. Uses census data to explore mathematical and statistical concepts and to integrate numerical ways of thinking with qualitative analysis. (Jointly sponsored by African Studies, Diaspora and Transnational Studies, Caribbean Studies, Equity Studies and Latin American Studies).

Prerequisite: DTS200Y1/ HIS230H1/ HIS231H1/ LAS200H1/ LAS201H1/ NEW120Y1/ NEW150Y1/ NEW220H1/ NEW221H1/ NEW224Y1/ NEW225H1/ NEW226H1/ NEW240Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW421H1 - Global Perspectives on the Haitian Revolution

Hours: 24S

Examines the colonial pre-history of the Haitian Revolution (1791-1804). Explores how this transatlantic revolution unfolded, including the emancipation of slaves, Toussaint, Louverture, and the roles played by Spain, the United States and Britain. A reflection on the Revolution in contemporary literature and film.

Prerequisite: HIS230H1/ HIS231H1/ NEW120Y1/ NEW220H1/ NEW221H1/ NEW224Y1/ NEW225H1/ NEW226H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

NEW422H1 - Caribbean Regionalism

Hours: 24S

In a public lecture in 1958, Trinidadian CLR James described Federation as the means to "accomplish the transition from colonialism to national independence." This course explores the shift from James' vision to Jamaican economist Norman Girvan's observation that contemporary "...governments tend to perceive supranationality as less an exercise in collective sovereignty and more a diminution of national sovereignty." Among the topics to be considered are: histories of regionalism; formal and informal dimensions of regional identity-making practices; freedom of movement; governance mechanisms; and widening and deepening debates, with particular reference to the non-Anglophone Caribbean and Latin America.

Prerequisite: Completion of at least 1.0 FCE at the 300-level.

Exclusion: NEW329H1 (Special Topics in Caribbean Studies: Caribbean Regionalism), offered in Winter 2018; NEW423H1 (Special Topics in Caribbean Studies: Caribbean Regionalism), offered in Winter 2019

Recommended Preparation: NEW120Y1/ NEW220H1/ NEW221H1/ HIS231H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW423H1 - Special Topics in Caribbean Studies

Hours: 24S

An upper-level seminar. Topics vary from year to year, depending on the instructor.

Prerequisite: HIS230H1/ HIS231H1/ NEW120Y1/ NEW220H1/ NEW221H1/ NEW224Y1/ NEW225H1/ NEW226H1

Distribution Requirements: Humanities

NEW426H1 - Special Topics in Caribbean Studies

Hours: 36S

An upper level seminar. Topics vary from year to year, depending on the instructor.

Distribution Requirements: Humanities

NEW426Y1 - Special Topics in Caribbean Studies

Hours: 72S

An upper level seminar. Topics vary from year to year, depending on the instructor.

Distribution Requirements: Humanities

JLN427H1 - Advanced Topics: The Hispanic Caribbean

Hours: 24S

Explores, in depth, a country in the Hispanic Caribbean or a theme relating to the Hispanic Caribbean. Topics vary each year and may include: Cuban society; Hispanic Caribbean revolutions; Hispanic Caribbean music, art and popular cultures; Hispanic Caribbean diasporas.

Prerequisite: HIS230H1/ HIS231H1/ JLN327H1/ LAS200H1/ LAS201H1/ NEW120Y1/ NEW220H1/ NEW221H1/ NEW224Y1/ NEW225H1/ NEW226H1

Exclusion: NEW427H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

NEW428H1 - Caribbean Migrations and Diasporas

Hours: 24S

Examines Caribbean migration in the post-slavery era. Topics include: Caribbean diasporas in the West; labour migrations such as the Panama Canal migration; Caribbean migrant communities in Central America; intra-regional migrations between the Caribbean islands; 'guest worker' programs; remittances and their impact; heritage tourism and 'return' migrations.

Prerequisite: HIS230H1/ HIS231H1/ NEW120Y1/ NEW220H1/ NEW221H1/ NEW224Y1/ NEW225H1/ NEW226H1

Exclusion: HISC70H3

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

NEW429H1 - Caribbean Diaspora in Canada

Hours: 24S

Explores the transnational circuits through which the Caribbean diaspora makes a living and makes life in contemporary Canada. How do we make sense of the Caribbean experience in Canada? What might an engagement with the Caribbean teach us about Canada as a diasporic space?

Prerequisite: CDN355H1/ HIS230H1/ HIS231H1/ NEW120Y1/ NEW220H1/ NEW221H1/ NEW224Y1/ NEW225H1/ NEW226H1

Exclusion: NEW329H1 (if taken in Summer 2013 or Summer 2014 as "The Caribbean Diaspora: Travels and Tribulations")

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

Equity Studies Courses

NEW240Y1 - Introduction to Equity Studies

Hours: 48L/24T

An interdisciplinary study of social justice issues in local and global contexts. Examines ongoing and new forms of inequity and various approaches to social change. Topics include the origins of inequities, critical anti-racism, global labour patterns, economic restructuring, gender variance, disability studies, food security and the politics of resistance.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

NEW241Y1 - Introduction to Disability Studies

Hours: 48L/24T

Introduces students to the theory and practice of Disability Studies. Explores the history of the development of disability studies.

Examines cultural representations of disability and critically assesses the ways disability is conceptualized in societal institutions. Forms of disability activism are also discussed.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

NEW270H1 - Foundations for Community Engagement

Hours: 24L/12T

Examines issues in community-based organizing, partnerships and advocacy. Drawing on interdisciplinary theory, methodology and case studies, develops skills both to analyze the social, economic, political, ethical and cultural dimensions of working with communities and to critically evaluate organizing practices and strategic approaches in community engagement.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW344H1 - Equity and the Body

Hours: 24L

An analysis of the body as the product of complex social organizations, processes and structures. Examines cultural stories recounted about the body through topics that include genetics, beauty, health, pathology and the multiple identities that intersect at the site of the body.

Prerequisite: NEW240Y1/ NEW241Y1

Exclusion: NEW344Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

NEW340H1 - Special Topics in Equity Studies

Hours: 36L

An upper level course. Topics of study vary from year to year.

Prerequisite: NEW240Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW344Y1 - Equity and the Body

Hours: 48L

An analysis of the body as the product of complex social organizations, processes and structures. Examines cultural narratives recounted about the body through topics that include genetics, beauty, health, pathology and the multiples identities that intersect at the site of the body.

Prerequisite: NEW240Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

NEW341H1 - Theorizing Equity

Hours: 24S

Explores theories that inform Equity Studies and situates them historically to examine both the social conditions and practices that generate inequities and the responses by equity advocates.

Examines texts in relevant fields such as post-colonial theory, queer theory, disability studies, feminist theory and transnational studies.

Prerequisite: NEW240Y1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

NEW345H1 - Equity and Activism in Education

Hours: 24L

Examines contemporary issues in education and schooling from a social justice and equity perspective. Engages with a variety of theoretical frameworks including anti-homophobia education, critical pedagogy, critical race theory, decolonizing knowledges, and intersectionality. Includes an overview of educational activist projects.

Prerequisite: NEW240Y1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

NEW342H1 - Theory and Praxis in Food Security

Hours: 24S

Explores the concept of food security in the context of equity issues related to global food systems. Students participate in food-related field work activities outside of regular classroom time.

Prerequisite: NEW240Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW346H1 - Community Organizing and Global Solidarity

Hours: 24L

Considers, from an interdisciplinary perspective, the evolution of community organizations and non-profits in the context of neoliberalism, settler colonialism, and imperialism. Examines the inter-woven relations of political economy, local community development, marginalized communities in Canada, and emergent forms of global/local solidarity.

Prerequisite: NEW240Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW347H1 - Critical Race and Anti-Racism Studies

Hours: 36L

Considers what it means to pursue integrative anti-racism in organizational/institutional settings such as the workplace, justice system, media and education through a study of theories on race and philosophical tenets of anti-racism. Examines the concept of race as a pedagogical discourse and social-political practice across local, national and global contexts.

Prerequisite: NEW240Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW348H1 - Special Topics in Equity Studies

Hours: 24L

An upper level course. Topics of study vary from year to year.

Prerequisite: NEW240Y1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

NEW349H1 - Disability and Representation

Hours: 24S

Explores the connection between disability and representation through contemporary social theories and methods in disability studies. Problematises disability representation to challenge the taken-for-granted cultural assumption that disability is a problem that requires a solution.

Prerequisite: NEW240Y1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

JQR360H1 - The Canadian Census: Populations, Migrations and Demographics

Hours: 24L/12T

Examines the Canadian population census through the experience of diasporic groups in Canada. Approaches the census as a statistical tool, an historical source and an ideological project of citizenship and nationalism. Uses census data to explore mathematical and statistical concepts and to integrate numerical ways of thinking with qualitative analysis. (Jointly sponsored by African Studies, Diaspora and Transnational Studies, Caribbean Studies, Equity Studies and Latin American Studies).

Prerequisite: DTS200Y1/ HIS230H1/ HIS231H1/ LAS200H1/ LAS201H1/ NEW120Y1/ NEW150Y1/ NEW220H1/ NEW221H1/ NEW224Y1/ NEW225H1/ NEW226H1/ NEW240Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW440Y1 - Advanced Special Topics in Equity Studies

Hours: 72L

An advanced level seminar course. Topics of study vary from year to year.

Prerequisite: NEW240Y1 and an additional 0.5 Equity Studies Core Group 300+ level course

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3); Thought, Belief and Behaviour (2)

NEW441H1 - Advanced Topics in Equity Studies

Hours: 24S

An advanced level seminar course. Topics vary from year to year.

Prerequisite: NEW240Y1 or permission of instructor
Distribution Requirements: Humanities

NEW444H1 - Social Change and Non-Violence

Hours: 24S

Examines theories and practices that promote the building of cooperative, non-violent communities. Grounded in a series of historical cases studies, the course critically considers Gandhian principles and the ways in which these have been translated into collective action.

Prerequisite: NEW240Y1 and an additional 0.5 Equity Studies Core Group 300+ level course
Distribution Requirements: Humanities
Breadth Requirements: Society and its Institutions (3)

NEW442H1 - Food Systems and the Politics of Resistance

Hours: 36L

Examines the food we eat in the local and global context of food systems, food sovereignty and food movements. Explores the possibilities for food as a catalyst for learning, resistance and social change.

Note: This is a joint graduate/undergraduate course.

Prerequisite: NEW240Y1, NEW342H1, and an additional 0.5 Equity Studies Core Group 300+ level course. Students must have completed 14.0 credits, be enrolled in the Equity Studies Major Program, and will normally have a CGPA of at least 3.5. Enrolment is by application. Consult the Program Office (nc.undergradadmin@utoronto.ca or 416-978-5404) for course enrolment procedures.

Distribution Requirements: Social Science
Breadth Requirements: Society and its Institutions (3)

NEW446H1 - Community Development and Social Change

Hours: 36L

Explores the significance of community development as a social change strategy, through a critical social analysis of local and global case studies and policies.

Note: This is a joint graduate/undergraduate course.

Prerequisite: NEW240Y1, NEW346H1, and an additional 0.5 Equity Studies Core Group 300+ level course. Students must have completed 14.0 credits, be enrolled in the Equity Studies Major Program, and will normally have a CGPA of at least 3.5. Enrolment is by application. Consult the Program Office (nc.undergradadmin@utoronto.ca or 416-978-5404) for course enrolment procedures.

Distribution Requirements: Social Science
Breadth Requirements: Society and its Institutions (3)

NEW443H1 - Advanced Special Topics in Equity Studies

Hours: 36S

An advanced level seminar course. Topics of study vary from year to year.

Prerequisite: NEW240Y1 and an additional 0.5 Equity Studies Core Group 300+ level course.
Distribution Requirements: Social Science
Breadth Requirements: Society and its Institutions (3)

NEW447H1 - Race, Ethnicity and Educational Praxis

Hours: 36L

An application of critical race, ethnicity and social difference discourse to educational praxis. Examines the articulation of theoretical perspectives to explain particular incidents in society, and to understand forms of institutional racism and emerging minority responses. Explores the implications for pedagogical practices in education.

Prerequisite: NEW240Y1, NEW347H1 and one additional half-course at the 300+ level in Equity Studies; permission of Program Director
Distribution Requirements: Social Science
Breadth Requirements: Society and its Institutions (3)

NEW448H1 - Advanced Special Topics in Disability Studies

Hours: 24L

An advanced level seminar course. Topics of study vary from year to year.

Prerequisite: NEW240Y1/ NEW241Y1 and an additional 0.5 Equity Studies Core Group 300+ level course

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

NEW449H1 - Contemporary Theories in Disability Studies

Hours: 24S

Explores the influence of contemporary social theory in the formation of Disability Studies and its contemporary expressions. Examines how contemporary feminist theory, queer theory, and post-colonial theory intersect with Disability Studies to develop an understanding of disability as a socio-political phenomenon.

Prerequisite: NEW240Y1 and 0.5 FCE from Equity Studies Core Group: Disability Studies

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

JNS450H1 - Sexuality & Disability

Hours: 24S

An interdisciplinary and intersectional approach to the study of disability and sexuality. Students will engage with historical, mainstream and critical discourses and explore complex issues and representations pertaining to disability, sexuality, sexual practices and desire. Draws from a range of writings and cultural texts in queer, crip and sexuality studies.

Prerequisite: SDS255H1/ SDS256H1 (UNI255H1/ UNI256H1) or NEW240Y1/ NEW241Y1 or permission of the instructor

Exclusion: SDS455H1: Special Topics in Sexual Diversity: Sexuality & Disability (2015)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW469Y1 - Senior Research Project in Equity Studies

Hours: 48S

Supervised research project undertaken in the final year of study. Students attend a seminar to present their on-going research and to discuss the research process. Final projects will be presented in a public student research symposium. Not eligible for CR/NCR option.

Prerequisite: NEW240Y1, 1.0 FCE Equity Studies Core Group 300+ level course, and a minimum cGPA of 3.0.

Distribution Requirements: Social Science

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

Community Engaged Learning (CEL) Courses

NEW270H1 - Foundations for Community Engagement

Hours: 24L/12T

Examines issues in community-based organizing, partnerships and advocacy. Drawing on interdisciplinary theory, methodology and case studies, develops skills both to analyze the social, economic, political, ethical and cultural dimensions of working with communities and to critically evaluate organizing practices and strategic approaches in community engagement.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW495Y1 - Independent Community Engaged Learning

Hours: 96P/24S

A placement-based course in which students develop knowledge, practice and professional skills appropriate to the social purpose sector while working to support programming for community partners. The accompanying seminar considers social justice issues and models community-engagement practice, supporting students' experiential, participatory and reflective learning. Not eligible for CR/NCR option.

Recommended Preparation: NEW120Y1/ NEW150Y1/ NEW220H1/ NEW221H1/ NEW224Y1/ NEW225H1/ NEW226H1/ NEW232H1/ NEW232Y1/ NEW240Y1/ NEW241Y1/ NEW270H1/ HIS230H1/ HIS231H1/ other NEW courses

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

NEW496H1 - Independent Community Engaged Learning

Hours: 48P/12S

A placement-based course in which students develop knowledge, practice and professional skills appropriate to the social purpose sector while working to support programming for community partners. The accompanying seminar considers social justice issues and models community-engagement practice, supporting students' experiential, participatory and reflective learning. Not eligible for CR/NCR option. (Offered only in special circumstances)

Recommended Preparation: NEW120Y1/ NEW150Y1/ NEW220H1/ NEW221H1/ NEW224Y1/ NEW225H1/ NEW226H1/ NEW232H1/ NEW232Y1/ NEW240Y1/ NEW241Y1/ NEW270H1/ HIS230H1/ HIS231H1/ other NEW courses

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

NEW498H1 - Independent Community Engaged Research

Hours: 48P/12S

A placement-based course in which students gain experience and develop social research and professional skills working on projects initiated by community partners. The accompanying seminar reviews conventional and creative interdisciplinary research methodologies relevant to the social purpose sector while supporting students' participatory and reflective learning. Not eligible for CR/NCR option.

Prerequisite: Completion of a minimum of 9.0 FCE and successful completion of the application process.

Recommended Preparation: NEW120Y1/ NEW150Y1/ NEW220H1/ NEW221H1/ NEW224Y1/ NEW225H1/ NEW226H1/ NEW232H1/ NEW232Y1/ NEW240Y1/ NEW241Y1/ NEW270H1/ HIS230H1/ HIS231H1/ other NEW courses

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW497Y1 - Independent Community Engaged Research

Hours: 96P/24S

A placement-based course in which students gain experience and develop social research and professional skills working on projects initiated by community partners. The accompanying seminar reviews conventional and creative interdisciplinary research methodologies relevant to the social purpose sector while supporting students' participatory- and reflective learning. Not eligible for CR/NCR option.

Prerequisite: Completion of a minimum of 9.0 FCE and successful completion of the application process.

Recommended Preparation: NEW120Y1/ NEW150Y1/ NEW220H1/ NEW221H1/ NEW224Y1/ NEW225H1/ NEW226H1/ NEW232H1/ NEW232Y1/ NEW240Y1/ NEW241Y1/ NEW270H1/ HIS230H1/ HIS231H1/ other NEW courses

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

Independent Studies Courses

NEW299Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

NEW390Y1 - New College Independent Studies

Hours: TBA

New College Independent Studies. Not eligible for CR/NCR option.

Prerequisite: Minimum of 8.0 FCEs completed and permission of College

NEW391H1 - New College Independent Studies

Hours: TBA

New College Independent Studies. Not eligible for CR/NCR option.

Prerequisite: Minimum of 8.0 FCEs completed and permission of College

NEW398Y0 - Research Excursion

Hours: TBA

An instructor-supervised group project in an off-campus setting. Details at: <http://www.artsci.utoronto.ca/current/course/rep>. (Not eligible for CR/NCR option.)

Distribution Requirements: Humanities; Social Science

NEW490Y1 - New College Independent Studies

Hours: TBA

New College Independent Studies. Not eligible for CR/NCR option.

Prerequisite: Minimum of 12.0 FCEs completed and permission of College

Interdisciplinary Courses

NEW271H1 - Interdisciplinary Special Topics

Hours: 24L

Topics vary from year to year depending on the instructor. Consult timetable for current offering information.

JQR360H1 - The Canadian Census: Populations, Migrations and Demographics

Hours: 24L/12T

Examines the Canadian population census through the experience of diasporic groups in Canada. Approaches the census as a statistical tool, an historical source and an ideological project of citizenship and nationalism. Uses census data to explore mathematical and statistical concepts and to integrate numerical ways of thinking with qualitative analysis. (Jointly sponsored by African Studies, Diaspora and Transnational Studies, Caribbean Studies, Equity Studies and Latin American Studies).

Prerequisite: DTS200Y1/ HIS230H1/ HIS231H1/ LAS200H1/ LAS201H1/ NEW120Y1/ NEW150Y1/ NEW220H1/ NEW221H1/ NEW224Y1/ NEW225H1/ NEW226H1/ NEW240Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

NEW370Y1 - Interdisciplinary Special Topics

Hours: 48L

Topics vary from year to year depending on the instructor.

NEW371H0 - International Field Course

Hours: TBA

Provides opportunities for students to engage in an international experiential learning program related to their academic areas of study. The course involves seminars, group exercises, site visits and a final project. Some sessions will be held in Toronto prior to and following the trip. Not eligible for CR/NCR option.

Prerequisite: Foundational course from participating programs (Indigenous Studies; African Studies; Buddhism, Psychology and Mental Health; Caribbean Studies; Equity Studies; Human Biology)

Distribution Requirements: Social Science

NEW372H1 - Interdisciplinary Special Topics**Hours:** 24L

Topics vary from year to year depending on the instructor. Consult timetable for current offering information.

Prerequisite: None

NEW471H1 - Interdisciplinary Special Topics**Hours:** 24S

Topics vary from year to year depending on the instructor.

Distribution Requirements: Humanities

Interdisciplinary Courses in Jungian Theory**NEW302Y1 - C.G. Jung: Stories, Patterns, Symbols****Hours:** 48L/24S

Impact of Jung's analytical psychology, critical methodology and interpretative practice on issues in religion, anthropology, art and literature, popular culture, gender studies and postmodernist critique. Theoretical studies include traditional Jungian and contemporary post-Jungian texts together with feminist and non-Jungian sources.

Prerequisite: Four FCEs, at least one of which should be in the humanities

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Thought, Belief and Behaviour (2)

NEW303H1 - Hypotheses of the Unconscious**Hours:** 12L/12S

Current discussions of the hypotheses, starting with Freud's and Jung's hypotheses, especially Jung's collective unconscious; critical examination through retrospective analysis of the evolution and development of the concept in works from philosophy, psychology, poetry, ethnology, science and popular culture that anticipated, influenced or were influenced by the work of Freud and Jung, post-Freudians and post-Jungians.

Prerequisite: Four FCEs, at least one of which should be in the humanities

Recommended Preparation: NEW302Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

NEW402Y1 - Advanced Special Topics in Jungian Theory**Hours:** 48S

Topics vary from year to year, depending on the interests of students and instructors.

Prerequisite: Permission of instructor

Distribution Requirements: Humanities

NEW403H1 - Advanced Special Topics in Jungian Theory**Hours:** 24S

Topics vary from year to year depending on the interests of students and instructors.

Prerequisite: Permission of instructor

Distribution Requirements: Humanities

International Foundation Program Courses

IFP100H1 - Themes in World History

Hours: 24L

Surveys the development of human societies from their origins to the present. Topics may include the environment, cultural development and interaction, the creation and nature of belief systems, political, economic and social structures, gender relations, and the relationship between global patterns and local development. Restricted to students enrolled in the summer offering of the International Foundation Program (IFP). Not eligible for CR/NCR option.

Exclusion: IFP100Y1/ UTP100H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

IFP100Y1 - Themes in World History

Hours: 48L/36T

Surveys the development of human societies from their origins to the present using examples from across the world. Topics may include the environment, cultural development and interaction, the creation and nature of belief systems, political, economic and social structures, gender relations, and the relationship between global patterns and local developments. Enrolment is restricted to students registered in the International Foundation Program. Not eligible for CR/NCR option.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3); Thought, Belief and Behaviour (2)

UTP100H1 - Themes in World History

Hours: 24L

Surveys the development of human societies from their origins to the present. Topics may include the environment, cultural development and interaction, the creation and nature of belief systems, political, economic and social structures, gender relations, and the relationship between global patterns and local development. Restricted to students enrolled in the UTPrep program.

Exclusion: IFP100H1/ IFP100Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

Nutritional Sciences

Faculty List

Professors Emeriti

M.C. Archer, MA, Ph D, D Sc
 W.R. Bruce, MD, Ph D
 C.E. Greenwood, M Sc, Ph D
 M. Krondl, Ph D
 A.V. Rao, M Sc, Ph D
 L.U. Thompson, M Sc, Ph D

Interim Chair

D.L. O'Connor, Ph D, RD

Professors

G.H. Anderson, M Sc, Ph D
 A. El-Sohemy, Ph D
 A.J. Hanley, Ph D
 D.J.A. Jenkins, MA, DM, D Phil, D Sc
 M.R. L'Abbé, Ph D
 V. Tarasuk, Ph D
 V. Vuksan, M Sc, D Sc
 T.M.S. Wolever, MA, BM, BCh, M Sc, Ph D

Associate Professors

R.P. Bazinet, Ph D
 E.M. Comelli, Ph D
 John Sievenpiper MD, Ph D, FRCPC

Associate Professor, Teaching Stream

D. Gurfinkel, PhD

Introduction

Nutritional Sciences represents an exciting and challenging area of study of a truly interdisciplinary nature. Understanding of the impact of nutrition on health and its role in disease is based upon a knowledge of the metabolic processes involved (nutrient requirements and utilization, food additive metabolism and safety), of the chemistry of foods (food preservation, food production) and of social and behavioural factors (determinants of food selection). Thus, in this program, the physical, biological and social sciences are integrated in consideration of the national and international goals of achieving optimal health through proper nutrition.

Most career opportunities in Nutritional Sciences require training beyond the undergraduate level. The Major Program provides excellent preparation for entry into postgraduate studies in nutrition research or for a professional faculty such as Medicine and Dentistry.

Please note that this Department does not offer an undergraduate dietetics program. Students interested in this qualification should contact Dietitians of Canada for information (www.dietitians.ca).

Students interested in applying to the MPH: Nutrition and Dietetics Program, through the Dalla Lana School of Public Health, are advised to contact the program director during their second year of undergraduate studies.

Undergraduate Coordinator:
 Dr. Debbie Gurfinkel

Enquiries:

Medical Sciences Building, 5th Floor, Room 5253A (416-978-2422)

Nutritional Sciences Programs

Nutritional Sciences Major (Science Program) - ASMAJ1068

Enrolment Requirements:

Eligibility for the nutritional sciences major program is based on a student's marks in the required first-year courses:

BIO120H1, BIO130H1, (CHM135, CHM136)/(CHM138H1, CHM139H1)/ CHM151Y1 with an average of at least 70% on these 2.0 full-course equivalents (FCEs) and a final mark of at least 60% in each course.

Note: Students must apply to this program on the Arts & Science Faculty Registrar's Office website (See <http://www.artsci.utoronto.ca/current/course> for application procedures).

Completion Requirements:

First Year:

(BIO120H1, BIO130H1);(CHM135, CHM136)/(CHM138H1, CHM139H1)/ CHM151Y1

Second Year:

NFS284H1; BCH210H1; (STA220H1, STA221H1)/(PSY201H1, PSY202H1)

Third Year:

(PSL300H1, PSL301H1)/ PSL302Y1; CSB349H1/ PSL350H1/BCH311H1; any two of: NFS382H1, NFS386H1, NFS301H1; NFS302H1; NFS394Y1

Fourth Year:

Any three of: NFS400H1, NFS484H1, NFS485H1, NFS486H1, NFS487H1, NFS488H1, NFS489H1, NFS490H1, NFS494Y1

Nutritional Sciences Courses

NFS284H1 - Basic Human Nutrition

Hours: 36L

An introductory course to provide the fundamentals of human nutrition to enable students to understand and think critically about the complex interrelationships between food, nutrition, health and the environment.

Exclusion: HLTB11H3

Recommended Preparation: (BIO120H1, BIO130H1)/ BIO150Y1; (CHM138H1, CHM139H1)/(CHM135H1, CHM136H1)/ CHM151Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

NFS301H1 - Nutrition Literacy: Sorting Science from Snake Oil

Hours: 36L

This course will help students learn how to recognize the strengths and limitations of various nutrition research methods, find reliable nutrition information on the Internet and develop systematic thinking skills to critically evaluate the quality of nutrition information in both the scientific literature and popular media.

Prerequisite: NFS284H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

NFS302H1 - Nutrition, Athletics, Performance and Behaviour

Hours: 36L

This course will give an overview of the emerging and advancing role of chronic diet and supplements in athletics, performance and behavior.

Prerequisite: NFS284H1

Exclusion: KPE328H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

NFS382H1 - Vitamin and Mineral Metabolism Throughout the Life Cycle

Hours: 36L

Micronutrients are essential for health throughout the life cycle. This course examines the role of micronutrients during development and ageing with some emphasis on disease prevention and pathogenesis. Students develop critical appraisal skills, an understanding of the principles of study design and learn to write in a scientific style.

Prerequisite: NFS284H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

NFS386H1 - Food Chemistry

Hours: 36L

Structure, composition and chemical and biochemical reactions in foods during postharvest/postmortem, processing, storage and utilisation. Implications for organoleptic properties, nutritional value, toxicity and human health.

Prerequisite: CHM138H1/ CHM139H1/ CHM135H1/ CHM136H1

Recommended Preparation: NFS284H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

NFS394Y1 - Research Course in Nutritional Science

Hours: 144P

Research experience under the supervision of a Departmental staff member. The course entails designing and carrying out a small research project and the preparation and presentation of both a research proposal and a final report. Note that the research project NFS394Y1 requires the prior consent of a staff member who will supervise the project and departmental approval before enrolment. The student is responsible for locating a supervisor. Not eligible for CR/NCR option.

Prerequisite: NFS284H1, Permission of Department and Project Supervisor

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

NFS400H1 - Functional Foods and Nutraceuticals in Human Nutrition

Hours: 36L

This course will demonstrate the rationale, including health benefits, development and marketing of functional foods and nutraceuticals.

Prerequisite: BCH210H1, NFS284H1, (PSL300H1, PSL301H1)/ PSL302Y1

Recommended Preparation: CSB349H1/ PSL350H1/ BCH311H1, NFS386H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

NFS486H1 - Obesity: Metabolic and Clinical Aspects

Hours: 36L

Obesity and its co-morbidities illustrated with pathophysiological and biochemical principles and clinical case studies.

Prerequisite: BCH210H1, NFS284H1, (PSL300H1, PSL301H1)/ PSL302Y1

Recommended Preparation: CSB349H1/ PSL350H1/ BCH311H1,(STA220H1, STA221H1)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

NFS484H1 - Advanced Nutrition

Hours: 24L/12T

Physiological and biochemical features of nutrient needs. The roles of nutrients in the development and adaptability of the whole body, organs and cells. Interpretation of current research data.

Prerequisite: BCH210H1, CSB349H1/ PSL350H1/ BCH311H1, NFS284H1, (PSL300H1, PSL301H1)/ PSL302Y1, (STA220H1, STA221H1/ JBS229H1) or permission of instructor

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

NFS487H1 - Nutrigenomics and Personalized Nutrition

Hours: 36L

The impact of the human genome on nutrition research. Experimental approaches to investigating gene-diet interactions. Understanding how genetic variability affects nutrient response, and how dietary factors regulate gene expression. Application of the various 'omics' technologies to nutrition research as well as exploring the social, legal and ethical issues associated with direct-to-consumer marketing of genetic tests for personalized nutrition.

Prerequisite: NFS284H1, CSB349H1/ PSL350H1/ BCH311H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

NFS485H1 - Diet, Microbiome & Health (formerly Nutritional Microbiology)

Hours: 36L

Provides an integrated approach to how prokaryotes modulate nutrient availability and how they interact with the host to impact human health from a molecular perspective.

Prerequisite: BCH210H1, CSB349H1/ PSL350H1/ BCH311H1/ MGY311Y1, NFS284H1, (PSL300H1, PSL301H1)/ PSL302Y1 or permission of the instructor

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

NFS488H1 - Nutritional Toxicology

Hours: 36L

Occurrence, mechanism of action, safety and health implications of chemicals naturally present in or added to foods. Interactions of nutrients and toxicants and the effects on their metabolism and utilization. Food safety evaluation and regulatory control.

Prerequisite: BCH210H1, NFS284H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

NFS489H1 - Nutritional Neurosciences

Hours: 36L

This course provides an integrated approach to how brain function regulates and in turn is regulated by nutrition from a biochemical perspective.

Prerequisite: BCH210H1, BCH311H1/ CSB349H1/ PSL350H1, NFS284H1, PSL302Y1/(PSL300H1, PSL301H1)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

NFS490H1 - International and Community Nutrition

Hours: 36L

This course focuses on current issues in international and community nutrition including global and domestic food security, micronutrient deficiencies and other forms of undernutrition, maternal and infant/child nutrition, dietary guidance, and food and nutrition policy. The course will consider the environmental, sociopolitical, cultural and biosocial contexts of nutrition.

Prerequisite: NFS284H1

Recommended Preparation: GGR107Y1/ POL103Y1/ SOC101Y1

Distribution Requirements: Science

Breadth Requirements: Society and its Institutions (3)

NFS494Y1 - Research Projects in Nutritional Sciences

Hours: 144P

Research experience under the supervision of a Departmental staff member. The course entails designing and carrying out a small research project and the preparation and presentation of both a research proposal and a final report. Note that the research project NFS494Y1 requires the prior consent of a staff member who will supervise the project and departmental approval before enrolment. The student is responsible for locating a supervisor. Not eligible for CR/NCR option.

Prerequisite: NFS284H1, Permission of Department and Project Supervisor

Distribution Requirements: Science

Peace, Conflict and Justice

Faculty List

Associate Professors

Ron Levi, BCL, LLB, LLM, SJD (George Ignatieff Chair of Peace and Conflict Studies)

Nancy Bertoldi, MSc, MA, PhD

Assistant Professors

Jon Lindsay, BS, MS, PhD

Laura Niemi, BA, MA, PhD

Paola Salardi, BA, MA, PhD

Introduction

The Trudeau Centre for Peace, Conflict and Justice administers the program in Peace, Conflict and Justice, in the Munk School of Global Affairs and Public Policy.

The Peace, Conflict and Justice program provides undergraduates with an interdisciplinary education covering three central pillars: the meanings and causes of conflict, peace, and justice; the lived experiences of living in the context of conflict and struggles for peace and justice; and approaches to resolving conflict and producing peace and/or justice. The topics of study are wide-ranging, including the study of peacemaking and peace-building, interstate war and intrastate conflicts, insurgencies, revolutions and rebellions, ethnic strife, global justice, and negotiation theory. In so doing, we address some of the world's most urgent humanitarian problems, and train students to deeply analyze these issues across several levels of analysis, from the local through the national and the global. Students interested in this program are strongly encouraged to consider pursuing a double major in related fields, especially International Relations. Other related fields include: Economics, Political Science, Sociology, Psychology, Anthropology, Geography, History, Diaspora and Transnational Studies, Ethics, Society and Law and Women and Gender Studies.

Contact information

Program Coordinator

Munk School of Global Affairs and Public Policy
221N, 1 Devonshire Place (At Trinity College)
Toronto, Ontario, M5S 3K7 Canada

pcj.program@utoronto.ca

416-946-0326

<http://munkschool.utoronto.ca/trudeaucentre/>

Peace, Conflict and Justice Programs

Peace, Conflict and Justice Specialist (Arts Program) - ASSPE1228

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a limited number of students. Admission is determined by a range of criteria, including at the initial stage a student's academic background, a statement of interest in the program, and as a later stage of the process, a personal interview on invitation of the Program Director. In some cases, reference letters may be requested by the Program Director. In the past, enrolment in Peace, Conflict and Justice has proven to be extremely competitive across all these dimensions, and an applicant's success in any one of these dimensions does not necessarily guarantee admission to the program in any given year.

Completion Requirements:

(12 full courses or their equivalent, including at least one 400-series course)

1. (ECO101H1 + ECO102H1) / ECO105Y1/ HIS103Y1 ;
(PSY100H1 + PSY220H1) / (SOC100H1 + SOC150H1);
POL208Y1. Except for POL208Y1, substitutions may be permitted for other introductory courses in relevant disciplines, based on a student's rationale and on approval of the Program Director.

2. PCJ260Y1; PCJ360H1; PCJ362H1/ PCJ363H1; PCJ460H1;
PCJ461H1

3. Three FCEs from one of Groups A, B, C, D, E or F (below), or substitutions with a rationale that must be approved by the Program Director. Students may substitute from different disciplines or with different courses from within these disciplines. At least one FCE must be at the 300+-level.

4. Three complementary FCEs with either a disciplinary, regional, or thematic focus relevant to Peace, Conflict and Justice (on approval of the Director, based on the needs of students interdisciplinary programs of study). At least two FCEs must be at the 300+-level. Up to 1.0 FCEs of MUN courses may be used to fulfill this requirement, subject to approval by the Director.

Disciplinary focus:

3.0 FCEs from one of ANT, ECO, GGR and Environmental Studies (combined), HIS, PHL, POL, PSY, RLG, SLA, SOC, or from other units with a rationale approved by the Program Director.

(Note: The disciplinary focus in this cluster must be different from the discipline chosen in requirement 3. For instance, HIS is excluded for students who have taken 3 HIS FCEs to meet requirement 3; POL is excluded for students who have taken 3 POL FCEs, etc.)

Regional Studies focus:

3.0 FCEs on, for example, Canada, Southern Africa, the Middle East, Latin America, or the Slavic countries.

Thematic focus:

3.0 FCEs on a thematic topic proposed by the student and approved by the Program Director. Examples include negotiation and conflict resolution, diplomatic history, gender and conflict, morality of war, quantitative analysis, group-identity conflict, economic development and conflict, literature, culture, and everyday life of conflict, or environmental change and conflict.

Peace, Conflict and Justice Major (Arts Program) - ASMAJ1228

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a limited number of students. Admission is determined by a range of criteria, including at the initial stage a student's academic background, a statement of interest in the program, and as a later stage of the process, a personal interview on invitation of the Program Director. In some cases, reference letters may be requested by the Program Director. In the past, enrolment in Peace, Conflict and Justice has proven to be extremely competitive across all these dimensions, and an applicant's success in any one of these dimensions does not necessarily guarantee admission to the program in any given year.

Completion Requirements:

(7.5 full courses or their equivalent)

1. (ECO101H1+ ECO102H1)/ ECO105Y1/ HIS103Y1; (PSY100H1+ PSY220H1)/ (SOC100H1+ SOC150H1); POL208Y1. Except for POL208Y1, substitutions may be permitted for other introductory courses in relevant disciplines, based on a student's rationale and on approval of the Program Director.

2. PCJ260Y1; PCJ360H1; PCJ362H1/ PCJ363H1; PCJ460H1

3. 2.0 FCE of complementary courses, at least 1.0 FCE of which must be at the 300+ series level, from: ANT452H1; CRI429H1; ECO200Y1; ECO202Y1; ECO220Y1; GGR240H1; GGR241H1; GGR419H1; GGR439H1; HIS241H1; HIS242H1; HIS401Y1; HIS412Y1; HIS445H1; JPR364Y1; MUN101H1/ MUN102H1; PHL378H1; POL201Y1; POL326Y1; POL340Y1; POL345Y1; POL412H1; POL417Y1; POL459Y1; PSY220H1; PSY270H1; PSY322H1; RLG100Y1; RLG280Y1; SOC201H1; SOC260H1; SOC249H1; SOC367H1 or alternative courses on the approval of the Program Director, based on the needs of students' interdisciplinary programs of study.

courses may be offered in a given year, and students are responsible for checking and meeting co- and prerequisites for all courses.

Course Groups

Group A

- HIS103Y1 Statecraft and Strategy: An Introduction to the History of International Relations
- HIS106Y1 The African Diaspora in the Americas, 1492-1804
- HIS202H1 Gender, Race and Science
- HIS241H1 Europe in the Nineteenth Century, 1815-1914
- HIS242H1 Europe in the 20th Century
- HIS243H1 Early Modern Europe, 1450-1648
- HIS244H1 Early Modern Europe, 1648-1815
- HIS250Y1 History of Russia
- HIS251Y1 History of East Central Europe
- HIS271Y1 American History Since 1607
- HIS303H1 The Mediterranean, 600-1300: Crusade, Colonialism, Diaspora
- HIS311Y1 Introduction to Canadian International Relations
- HIS325H1 Imperial Russia
- HIS329H1 Central Middle Ages (900-1200)
- HIS338H1 The Holocaust, to 1942 (formerly HIS338Y1/398Y1)
- HIS343H1 History of Modern Espionage
- HIS344H1 Conflict and Co-operation in the International System Since 1945
- HIS347H1 The Country House in England 1837-1939
- HIS355H1 A History of Pre-modern Medicine
- HIS359H1 Regional Politics and Radical Movements in the 20th Century Caribbean
- HIS364H1 From Revolution to Revolution: Hungary Since 1848
- HIS376H1 The United States: Now and Then
- HIS377H1 20th-Century American Foreign Relations
- HIS386H1 Fascism
- HIS390H1 Slavery in Latin America
- HIS401Y1 History of the Cold War
- HIS405Y1 Canadian Foreign Relations
- HIS407H1 Imperial Germany, 1871-1918
- HIS414H1 Down and Out in Medieval Europe
- HIS415Y1 Nationalism & Memory in Modern Europe
- HIS424H1 Violence in Medieval Society
- HIS436H1 Stalinist Terror
- HIS451H1 World War II in East Central Europe
- HIS461H1 Poland in the 20th Century
- HIS473H1 The United States and Asia since 1945
- HIS475H1 Senior Thesis Seminar
- HIS480H1 Modernity and its Others: History and Postcolonial Critique
- HIS492H1 Empire & Colonization in the French Atlantic World
- NMC278H1 Introduction to the Modern Middle East
- NMC474H1 The Archaeology of Death
- TRN421Y1 Fragile and Conflict-Affected States in Global Politics

Peace, Conflict and Justice Groups

Note: Substitutions for any of the below (Groups A through F) are allowable, if accompanied by a rationale regarding a student's specific program of study that must be approved by the Program Director. This is not a strict list, and students may in their program rationale substitute courses from different disciplines or with different courses from within these disciplines below. Please note that not all

Group B

- [POL201Y1 Politics of Development: Issues and Controversies](#)
- [POL301Y1 Government and Politics in Africa](#)
- [POL305Y1 Politics and Society in Latin America](#)
- [POL312Y1 Canadian Foreign Policy](#)
- [POL323Y1 Might and Right Among Nations](#)
- [POL324H1 European Union: Politics, Institutions and Society](#)
- [POL326Y1 United States Foreign Policy](#)
- [POL330Y1 Politics and Morality](#)
- [POL340Y1 International Law](#)
- [POL345Y1 Becoming Israel: War, Peace, and the Politics of Israel's Identity](#)
- [POL354H1 Politics and Society in Russia](#)
- [POL412H1 Human Rights and International Relations](#)
- [POL417Y1 Global South in International Politics](#)
- [POL419H1 Quantitative Methods and Data Analysis](#)
- [POL432H1 Feminist Theory: Challenges to Legal and Political Thought](#)
- [POL442H1 Topics in Latin American Politics](#)
- [POL447H1 Political Economy of Development](#)
- [POL459Y1 The Military Instrument of Foreign Policy](#)
- [POL464H1 Urban Policy and Policymaking](#)
- [POL467H1 The Politics of Immigration and Multiculturalism in Canada](#)
- [POL468H1 International Relations of Ethnic Conflict](#)
- [POL476H1 Topics in Public Policy](#)
- [POL479H1 Topics in Middle East Politics](#)
- [POL480H1 Studies in Comparative Political Theory](#)
- [POL486H1 Topics in International Politics I](#)
- [POL487H1 Topics in International Politics II](#)
- [NEW250Y1 Africa in the 21st Century: Challenges and Opportunities](#)
- [NMC476H1 Politics of Archaeology in the Modern Middle East](#)
- [NMC477H1 Modern Turkey](#)

Group C

- [PSY100H1 Introductory Psychology](#)
- [PSY201H1 Statistics I](#)
- [PSY210H1 Introduction to Development](#)
- [PSY220H1 Introduction to Social Psychology](#)
- [PSY270H1 Introduction to Cognitive Psychology](#)
- [PSY280H1 Sensation and Perception](#)
- [PSY311H1 Social Development](#)
- [PSY312H1 Cognitive Development](#)
- [PSY320H1 Social Psychology: Attitudes](#)
- [PSY321H1 Cross-Cultural Psychology](#)
- [PSY322H1 Intergroup Relations](#)
- [PSY324H1 Moral Thought and Behaviour](#)
- [PSY326H1 Social Cognition](#)
- [PSY328H1 Psychology and the Law](#)
- [PSY331H1 Social Psychology of Emotion](#)
- [PSY370H1 Thinking and Reasoning](#)
- [PSY372H1 Human Memory](#)
- [PSY420H1 Social Psychology Seminar](#)
- [PSY471H1 Cognition Seminar](#)
- [JLP374H1 Psychology of Language](#)

- [JLP471H1 Advanced Psycholinguistics](#)

Group D

- [ENV200H1 Assessing Global Change: Science and the Environment](#)
- [ENV234H1 Environmental Biology: Structure and Function of Ecosystems](#)
- [GGR107H1 Environment, Food and People](#)
- [GGR112H1 Geographies of Globalization, Development and Inequality](#)
- [GGR124H1 Cities and Urban Life](#)
- [GGR203H1 Introduction to Climatology](#)
- [GGR240H1 Geographies of Colonialism in North America](#)
- [GGR241H1 Geographies of Urban Social Exclusion](#)
- [GGR314H1 Global Warming](#)
- [GGR320H1 Geographies of Transnationalism, Migration, and Gender](#)
- [GGR338H1 Environmental Issues in the Global South](#)
- [GGR343H1 The Changing Geography of China](#)
- [GGR398H0 Research Excursions](#)
- [GGR399Y1 Research Opportunity Program](#)
- [GGR418H1 Political Economy of Natural Resources](#)
- [GGR419H1 Environmental Justice](#)
- [GGR439H1 Global Political Geography](#)
- [GGR452H1 Space, Power, Geography: Understanding Spatiality](#)
- [PHL273H1 Environmental Ethics](#)
- [PHL373H1 Issues in Environmental Ethics](#)

Group E

- [ECO200Y1 Microeconomic Theory](#)
- [ECO202Y1 Macroeconomic Theory and Policy](#)
- [ECO210H1 Mathematical Methods for Economic Theory](#)
- [ECO220Y1 Introduction to Data Analysis and Applied Econometrics](#)
- [ECO230Y1 International Economic Institutions and Policy](#)
- [ECO313H1 Environmental Economics and Policies](#)
- [ECO314H1 Energy and the Environment](#)
- [ECO316H1 Applied Game Theory](#)
- [ECO320H1 Economic Analysis of Law](#)
- [ECO324H1 Economic Development](#)
- [ECO336H1 Public Economics](#)
- [ECO401H1 Topics in Economic Policy](#)
- [ECO403H1 Topics in Development Economics and Policy](#)
- [ECO401H1 Topics in Economic Policy](#)
- [ECO403H1 Topics in Development Economics and Policy](#)
- [ECO406H1 Developmental Macroeconomics](#)
- [ECO423H1 Economics and Biosocial Data](#)
- [ECO439H1 Empirical Methods in Microeconomics](#)
- [ECO446H1 Advanced Public Economics](#)

Group F

- [ANT100Y1 Introduction to Anthropology](#)
- [ANT204H1 Social Cultural Anthropology and Global Issues](#)
- [ANT358H1 Medical Anthropology and Social Justice](#)
- [ANT364H1 Environment & Globalization](#)
- [ANT395Y0 Special Topics in Anthropology](#)

- [ANT396Y0 Special Topics in Anthropology](#)
- [ANT425H1 Language in Anthropological Thought](#)
- [ANT426H1 Western Views of the Non-West](#)
- [ANT427H1 Language, Ideology, & Political Economy](#)
- [ANT440H1 Society in Transition](#)
- [ANT450H1 Nature, Culture and the City](#)
- [ANT452H1 Anthropology & Human Rights](#)
- [COG250Y1 Introduction to Cognitive Science \(formerly JUP250Y1, UNI250Y1\)](#)
- [CRI364H1 Indigenous Peoples & Criminal Justice](#)
- [CRI427H1 Organized Crime and Corruption](#)
- [CRI429H1 Youth Culture, Racialization and Crime in the Global Context](#)
- [INS360Y1 Politics and Process of Reconciliation in Canada](#)
- [JPR364Y1 Religion and Politics](#)
- [PHL232H1 Knowledge and Reality](#)
- [PHL235H1 Philosophy of Religion](#)
- [PHL240H1 Persons, Minds and Bodies](#)
- [PHL244H1 Human Nature](#)
- [PHL247H1 Critical Reasoning](#)
- [PHL271H1 Law and Morality](#)
- [PHL273H1 Environmental Ethics](#)
- [PHL275H1 Introduction to Ethics](#)
- [PHL317H1 Marx and Marxism](#)
- [PHL340H1 Issues in Philosophy of Mind](#)
- [PHL341H1 Freedom, Responsibility, and Human Action](#)
- [PHL351H1 Philosophy of Language](#)
- [PHL357H1 Philosophy of Biology](#)
- [PHL365H1 Political Philosophy](#)
- [PHL370H1 Issues in Philosophy of Law](#)
- [PHL373H1 Issues in Environmental Ethics](#)
- [PHL375H1 Ethics](#)
- [PHL380H1 Global Bioethics](#)
- [PHL394H1 Markets and Morals](#)
- [RLG309H1 Religion and Human Rights](#)
- [RLG389H1 Special Topics II](#)
- [SOC205H1 Urban Sociology](#)
- [SOC210H1 Sociology of Race and Ethnicity](#)
- [SOC212H1 Sociology of Crime & Deviance](#)
- [SOC213H1 Sociological Social Psychology](#)
- [SOC220H1 Social Inequality in Canada](#)
- [SOC249H1 Sociology of Migration](#)
- [SOC250Y1 Sociology of Religion](#)
- [SOC260H1 Fundamentals of Political Sociology](#)
- [SOC306H1 Economic Sociology](#)
- [SOC312H1 Population and Society](#)
- [SOC320H1 Family Demography](#)
- [SOC330H1 Introduction to Social Network Analysis](#)
- [SOC344H1 Sociology of Everyday Life](#)
- [SOC348H1 Culture and Inequality](#)
- [SOC355H1 Introduction to Social Network Analysis](#)
- [SOC356H1 Technology and Society](#)
- [SOC360H1 Social Movements](#)
- [SOC365H1 Gender Relations](#)
- [SOC367H1 Race, Class, and Gender](#)
- [SOC386H1 New Topics in Sociology](#)
- [SOC495H1 New Topics in Sociology](#)
- [SOC498H1 New Topics in Sociology](#)

Peace, Conflict and Justice Courses

PCJ260Y1 - Introduction to Peace and Conflict Studies

Previous Course Number: PCS260Y1, UNI110Y1, UNI260Y1
Hours: 48L/24S

The course reviews theories exploring the causes of conflict, the possibilities for the pursuit of peace, and the role of justice in both. Drawing on a wide range of disciplines and perspectives, including political science, psychology, sociobiology, economics, and religion, it offers an introduction to diverse approaches to conflict resolution and peace-building. After examining the role of individual characteristics, social group dynamics, and structural processes in generating conflict, the course interrogates different conceptions of peace and justice as well as the dilemmas involved in pursuing them in practice. Case studies and examples are used to help students apply the conceptual tools they acquire to prominent world conflicts.

Prerequisite: Only for current PCJ program students in second year and higher/permission of the Program Director

Exclusion: PCS260Y1, UNI110Y1, UNI260Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

PCJ360H1 - Topics in Peace, Conflict and Justice: Fairness

Hours: 24L

The difference between peace and conflict can hinge on agreement or disagreement about what is just and fair. This course explores fairness from multiple perspectives to shed light on why a shared conception of fairness is often hard to achieve. Through recent readings from developmental, social, moral and cultural psychology, as well as behavioral economics, students gain a practical understanding of the current state of the psychological science research on the topic. Students are asked to critically examine the implications of the existing evidence for an understanding of the universality and diversity inherent in fairness judgments. Crucially, students apply their learning to historical and contemporary conflicts, from inside the home to across national boundaries.

Prerequisite: PCJ260Y1 or permission of the Program Director.

Exclusion: PCS360Y1, UNI360Y1

Recommended Preparation: POL208Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

PCJ361H1 - Special Topics in Peace, Conflict and Justice Studies

Hours: 24S

An exploration of selected issues in the field of Peace, Conflict and Justice involving an overseas and/or practicum component.

Exclusion: PCS361H1, UNI361Y1

Recommended Preparation: POL208Y1

Distribution Requirements: Social Science

PCJ363H1 - Study Abroad Module

Using Quercus, Skype, and email, students meet weekly in a virtual class that will assign readings, provide written assignments, and require a final assignment. Students are asked to situate their training from the PCJ program within the context of their academic study abroad experiences, though they may also have the opportunity to reflect on volunteer, activist, and social experiences. In written assignments, students are required to reflect on how their thinking has been influenced by their study abroad experiences, what they will do with their new perspectives upon returning to the University of Toronto, and how these affect how they think about peace, conflict, and justice.

Prerequisite: PCJ260Y1

Exclusion: PCJ361H1, PCJ362H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

PCJ361Y1 - Special Topics in Peace and Conflict Studies (formerly PCS361Y1, UNI361Y1)

Hours: 48S

An exploration of selected issues in the field of Peace, Conflict and Justice involving an overseas and/or practicum component.

Prerequisite: PCJ260Y1 or permission from the Program Director

Exclusion: PCS361H1, PCS361Y1, UNI361Y1

Recommended Preparation: POL208Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

PCJ399Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

PCJ444H1 - Special Topics in Peace and Conflict Studies

Previous Course Number: PCS444H1

Hours: TBA

Topics vary annually. The objective of the course is to explore emerging issues in Peace and Conflict Studies. The focus of the course will be on a specific topic, rather than a broad survey of the field.

Prerequisite: PCJ260Y1, PCJ360Y1 or permission of the instructor

Exclusion: PCS444H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

PCJ362H1 - Service Learning

Hours: 24S

Students are given a service learning placement in the GTA in partnership with local, national, or international not-for-profits or governmental organizations. Students work in teams of 2-7 students, and help partner organizations solve important problems. Student teams mostly work independently of the organization, while receiving some mentoring, critique, and advice from the organizations. Students are expected to invest 5-7 hours per week in course projects, in addition to class time. In this non-competitive course, students are asked to engage in deep personal reflection, help teammates, advise other teams, and contribute their skills and talents to their community partners. The course will emphasize how groups work to achieve community goals, how grassroots politics works, the power of social capital, and how these topics link to questions of conflict resolution, brokering peace, and achieving justice.

Prerequisite: PCJ260Y1

Exclusion: PCJ361H1, PCJ363H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

PCJ460H1 - Causes and Consequences of Civil Wars and Violence

Previous Course Number: PCS460H1, UNI460H1

Hours: 24S

This course explores the links between violent conflict and socioeconomic development. It focuses on the macro- and micro-level processes leading to conflict and how conflict and political violence affect people's lives at the household and community levels. It also examines how these micro-level processes are linked to wider political and economic issues, including governance and institutional development. Tools from economic theory are applied alongside country-specific and cross-national empirical evidence.

Prerequisite: PCJ360H1 and PCJ362H1, or permission of the Program Director; enrolment restricted to students enrolled in Peace, Conflict and Justice Specialist program

Exclusion: PCS460H1, PCS460Y1, UNI460H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

PCJ499H1 - Peace and Conflict Studies Independent Study Course

Previous Course Number: PCS499H1

This course is designed to provide students with the opportunity to explore topics not covered in the curriculum, or to develop a more detailed focus on topics covered. Approval of the program director is required. The student must obtain written agreement of the instructor who will supervise the independent study, submit the proposal to and obtain approval from the director and program administrator, who will then add the student to the course. Not eligible for CR/NCR option.

Applications are due two weeks before course enrollment deadlines for each semester.

Prerequisite: PCJ260Y1

Exclusion: PCS499H1

Recommended Preparation: For students enrolled in the Peace, Conflict and Justice Major or Specialist program.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

PCJ461H1 - Research Methods in Peace, Conflict and Justice

Previous Course Number: PCS461H1, UNI460Y1

Hours: 48S

This course guides each student through their own individual research project, embedded in an interactive group learning process, in order to offer an applied introduction to research methods for peace, conflict and justice studies. Students work through the full research process, including: identifying a research question, learning how to conduct effective literature reviews, developing a rigorous research design, and applying quantitative and qualitative methods to answering questions. Rather than conducting research independently or studying research methods in isolation, the course combines the two: students learn collectively about the different steps in the research process while simultaneously applying those steps to their own research project. This is then complemented by presenting that research and discussing different research projects in class, so as to receive continuous feedback and be exposed to a variety of research methods and approaches.

Prerequisite: PCJ460H1; enrolment restricted to students enrolled in the Peace, Conflict and Justice Specialist program

Exclusion: PCS460Y1, PCS461H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

PCJ499Y1 - Peace and Conflict Studies Independent Study Course

This course is designed to provide students with the opportunity to explore topics not covered in the curriculum, or to develop a more detailed focus on topics covered. Approval of the program director is required. The student must obtain written agreement of the instructor who will supervise the independent study, submit the proposal to and obtain approval from the director and program administrator, who will then add the student to the course. Not eligible for CR/NCR option.

Applications are due two weeks before course enrollment deadlines for each semester.

Prerequisite: PCJ260Y1

Exclusion: PCS499H1

Recommended Preparation: For students enrolled in the Peace, Conflict and Justice Major or Specialist program.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

Pharmaceutical Chemistry

Collaborative Program of the Faculty of Arts & Science and the Leslie Dan Faculty of Pharmacy

Pharmaceutical Chemistry combines knowledge of the biological, medical, and physical sciences in the study of drug therapy. The emphasis is on the chemical nature of the reactions and interactions involved in drug therapy. The students will receive a solid background in the facets of chemistry the most relevant to drugs: physical, organic, and analytical chemistry. They will also learn the fundamental aspects of the synthesis, manufacture, use, and mode of action of drugs.

Undergraduate Office – General Enquiries: Nicole Treston, (416-978-6033), chem.undergrad@utoronto.ca

Program Director: Dr. David Dubins, (416-976-5303)
d.dubins@utoronto.ca

Regarding Pharmaceutical Chemistry Programs

Pharmaceutical Chemistry combines knowledge of the biological, medical and physical sciences in the study of the scientific aspect of drug therapy. The emphasis is on the chemical nature of the reactions and interactions involved in drug therapy.

This program is offered jointly by the Leslie Dan Faculty of Pharmacy and the Faculty of Arts and Science. Students in the Pharmaceutical Chemistry Specialist program will receive a solid background in physical, organic and analytical chemistry, and will also learn the fundamental aspects of the synthesis, manufacture, use, and mode of action of drugs. The fourth-year project course gives students direct involvement in research.

We also offer an internship in which qualified students may spend 12 or 16 months working at a pharmaceutical company or research lab. This is a project-based, paid employment placement that takes place between the third and fourth years of undergraduate study. It provides the student with an opportunity to apply the knowledge acquired in the first three years of university to private- or public-sector settings. Placements are available in pharmaceutical and biotechnology companies, university research labs, university-affiliated organizations, or government research agencies.

Pharmaceutical Chemistry Programs

Pharmaceutical Chemistry Specialist (Science Program) - ASSPE1211

Enrolment Requirements:

This is a limited enrolment program. Eligibility is based on a student's mark(s) in the required course(s). The precise mark thresholds outlined below are an estimate of what will be required in the coming program admission cycle.

While it is difficult to predict what will be competitive course marks and average in a given year, based on previous years, the estimate is: course marks = mid 70s ; average = high 70s.

Achieving these estimated marks does not guarantee admission to the program in any given year.

Completion Requirements:

(13.0 full courses or their equivalent, including at least one 400-series course)

NOTE: Some of the courses listed below may have prerequisites.

First Year:

BIO120H1; BIO130H1; (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/ CHM151Y1; (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Second Year:

BCH210H1; BIO230H1; CHM220H1/ CHM222H1, CHM223H1; CHM247H1/ CHM249H1; PHC230H1

Third Year:

CHM217H1; PCL201H1; PHC300H1; PHC301H1; PHC320H1; PHC330H1; PHC340Y1

Fourth Year:

1. PHC489Y1
2. Two full course equivalents from: CHM317H1; CHM342H1; CHM347H1; CHM379H1; CHM410H1; CHM414H1; CHM417H1; PCL362H1; PHC331H1; PHC401H1; PHC420H1; PHC421H1; PHC430H1; PHC431H1; PHC432H1; PHC435H1; PHC460H1; PHC462H1; PHC470H1; PSL300H1; PSL301H1

Note that not all of the 400-series PHC courses are offered every academic year.

We also offer an optional 12- or 16-month internship program to qualified students. This is a project-based, paid employment placement that takes place between the third and fourth years of undergraduate study. It provides the student with an opportunity to apply the knowledge acquired in the first three years of university to private- or public-sector settings. Placements are available in pharmaceutical and biotechnology companies, university research labs, university-affiliated organizations, or government research agencies.

Pharmaceutical Chemistry Courses

PHC230H1 - Pharmaceutics 1

Hours: 36L/12T

An introduction to the key concepts in the design, manufacture, and use of efficacious dosage forms. The course covers the characteristics of different delivery routes.

Prerequisite: (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/ CHM151Y1; CHM220H1/ CHM222H1

Exclusion: PHM141H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PHC300H1 - Molecular Pharmacology 1

Hours: 24L/12T

Structural and mechanistic determinants of drug action at the molecular level. Topics include the physicalchemical properties of drugs per se as they relate to therapeutic intervention and the biophysical and biochemical properties of enzymes and nucleic acids that underlie and are affected by their interactions with drugs.

Prerequisite: (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/ CHM151Y1; CHM220H1/ CHM222H1

Exclusion: PCL302H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PHC301H1 - Molecular Pharmacology 2

Hours: 36L/12T

Structural and mechanistic determinants of drug action via macromolecules that effect cellular signalling. Neurohumoral receptors and other signalling proteins are grouped according to their structure and mechanism of action. Native properties and their modulation by drugs are discussed in the context of basic principles of molecular pharmacology.

Prerequisite: (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/ CHM151Y1; CHM220H1/ CHM222H1; BCH210H1

Exclusion: PCL302H1, PHM140H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PHC320H1 - Medicinal Chemistry

Hours: 36L

Modern discovery and synthesis of antibiotics, antineoplastics, antiviral and other therapeutic agents.

Prerequisite: BCH210H1, CHM247H1/ CHM249H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PHC330H1 - Pharmaceutics 2

Hours: 36L/12T

This course presents a detailed examination of the material properties of pharmaceuticals and the role of cellular processes in delivery of a drug to its site of action.

Prerequisite: (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/ CHM151Y1; CHM220H1/ CHM222H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PHC331H1 - Establishing the Bioequivalence of Pharmaceutical Products

Hours: 48L

Introduction to human clinical trial design for the demonstration of pharmaceutical bioequivalence of drug products. Students will learn the principles underlying the regulations and methods employed in bioequivalence studies.

Prerequisite: BCH210H1, CHM247H1/ CHM249H1, (MAT135H1, MAT136H1)/ MAT137Y1, PHC230H1, PHC330H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PHC340Y1 - Pharmaceutical Chemistry Laboratory

Hours: 24L/96P

The scientific basis and practical techniques relevant to modern pharmaceutical development. This course is restricted to Pharmaceutical Chemistry Specialist program students.

Prerequisite: CHM247H1/ CHM249H1; (CHM220H1/ CHM222H1), CHM223H1; BCH210H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PHC401H1 - Drug Transport across Biological Membranes

Hours: 24L

The goal of this course is to provide students with knowledge of the molecular processes involved in drug transport across biological cell membranes with emphasis on their physiological and clinical significance. This course is restricted to Pharmaceutical Chemistry Specialist program students.

Prerequisite: PHC301H1, and enrolled as a Year 4 student in the Pharmaceutical Chemistry specialist program.

Corequisite: PHC300H1

Exclusion: JFK1122H

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PHC430H1 - Recent Developments in Dosage Form Design

Hours: 24L

Introduction to controlled drug delivery: Mechanisms and kinetics of controlled drug release. Fundamental theories and mathematical tools for the design of modern dosage forms. Development and applications of controlled drug delivery dosage forms. This course is restricted to Pharmaceutical Chemistry specialist program students.

Prerequisite: Enrolled as a Year 4 student in the Pharmaceutical Chemistry specialist program.

Exclusion: PHM324H1, PHM1109H

Recommended Preparation: PHC230H1, PHC330H1, PHC340Y1.

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PHC420H1 - Application of Medicinal Chemistry to Pharmacology

Hours: 24L

This course shows students the links between basic science and the drugs used therapeutically to treat clinical problems. This course is restricted to Pharmaceutical Chemistry specialist program students.

Prerequisite: PHC301H1, PHC320H1, and enrolled as a Year 4 student in the Pharmaceutical Chemistry specialist program.

Exclusion: PHM240H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PHC431H1 - Selected Topics in Drug Development

Hours: 24L

In-depth discussion of implementation of pharmaceutical sciences in drug development strategies. Students will apply fundamental principles of pharmaceutics and drug delivery to current problems in the pharmaceutical industry. This course is restricted to Pharmaceutical Chemistry specialist program students.

Prerequisite: Enrolled as a Year 4 student in the Pharmaceutical Chemistry specialist program.

Exclusion: JFK1120H

Recommended Preparation: PHC230H1, PHC330H1, PHC340Y1.

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PHC421H1 - Biomolecular Interactions and Thermodynamics I

Hours: 36L

This course will consider many of the topics presented in the first half in much greater detail including a rigorous examination of the interpretation of experimental data. This course is intended for students whose research or interest is in the thermodynamics of biological molecules. This course is restricted to Pharmaceutical Chemistry specialist program students.

Prerequisite: Enrolled as a Year 4 student in the Pharmaceutical Chemistry specialist program.

Exclusion: PHM1130H

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PHC432H1 - Nanomedicines in Oncology

Hours: 24L

This course covers a range of topics that pertain to the development and application of nanomedicines in oncology. Students will gain an understanding of the biological barriers to drug delivery in oncology as well as the tremendous heterogeneity in cancer and the challenge this presents for treatment. The concepts of passive and active targeting of nanomedicines will be covered with critical assessment of the enhanced permeability and retention effect. A detailed overview of the most advanced nanotechnology-platforms for drug delivery (i.e., liposomes, block copolymer micelles and polymer-drug conjugates) will be provided with additional discussion of new emerging platforms. The integration of imaging in drug development and development of theranostics and therapeutic-diagnostic pairs will also be discussed. Special emphasis on critical evaluation of scientific literature and pre-clinical/clinical studies will be made throughout the course.

Prerequisite: PHC230H1, PHC330H1 and enrolled as a Year 4 student in the Pharmaceutical Chemistry specialist program.

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PHC435H1 - Pharmaceutical Data Acquisition and Analysis

Hours: 26P

Application and development of devices for the purpose of collecting and analyzing experimental data in pharmaceutical development and manufacture.

Prerequisite: BCH210H1, CHM247H1/ CHM249H1, (MAT135H1, MAT136H1)/ MAT137Y1, PHC340Y1 and enrolled as a Year 4 student in the Pharmaceutical Chemistry specialist program.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHC460H1 - Fundamentals of Drug Discovery

Hours: 24L

Lectures by scientists from academia and industry, and student seminars based on journal articles dealing with strategies for discovering new drugs for therapy and diagnosis. This course is restricted to Pharmaceutical Chemistry specialist program students.

Prerequisite: BIO120H1, BIO130H1, PHC301H1 and enrolled as a Year 4 student in the Pharmaceutical Chemistry program.

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PHC462H1 - Clinical Drug Development

Hours: 24L

This course is designed to broaden student's understanding of the development and licensing of new drugs and how scientific principles, ethics, governmental regulations and commercial considerations are coordinated for designing clinical trials. The format involves lectures, group discussion and student presentations. This course is restricted to Pharmaceutical Chemistry specialist program students.

Prerequisite: PHC230H1, PHC301H1, PHC340Y1 and enrolled as a Year 4 student in the Pharmaceutical Chemistry specialist program.

Exclusion: JFK1120H

Distribution Requirements: Science

Breadth Requirements: Society and its Institutions (3)

PHC470H1 - Global Pharmaceutical Policy

Hours: 24L/2T

This course is designed for students who are interested in the critical analysis of global health policy and the interrelationship between global and domestic policy issues. The course will introduce students generally to the basic concepts and issues in global health with a particular focus on pharmaceutical policy. We will address key issues in health and discuss core institutional and transnational actors, how governments in different jurisdictions manage public health responsibilities, the tension between economic imperatives and health objectives, global obligations, and pressure from special interest groups. More narrowly, we will analyse a breadth of complex policies questions. Examples include: the research and development global divide, policial issues influences on pharmaceutical policy, how global commitments, such as membership in the World Trade Organization, conflict with or correspond to domestic policy directions and national sovereignty. Guest speakers will lead some sessions. This course will consist of lectures, guest discussions, case studies and student-led presentations. This is restricted to students in the Pharmaceutical Chemistry specialist program.

Prerequisite: Enrolled as a Year 4 student in the Pharmaceutical Chemistry specialist program.

Exclusion: PHM320H1, PHM1124H

Breadth Requirements: Society and its Institutions (3)

PHC489Y1 - Pharmaceutical Chemistry Research

Hours: 144P

This course will provide research experience under the supervision of a Departmental staff member. The goal is to deepen the student's understanding of the scientific basis and practical techniques relevant to modern pharmaceutical development. This course is restricted to Pharmaceutical Chemistry specialist program students. Not eligible for CR/NCR option.

Prerequisite: Permission from the Course Coordinator and enrolled as a Year 4 student in the Pharmaceutical Chemistry specialist program.

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

Pharmacology and Toxicology

Faculty List

Professors Emeriti

W.M. Burnham, Ph D
 L. Endrenyi, Ph D
 T. Inaba, Ph D
 H. Kalant, MD, Ph D
 A.B. Okey, Ph D
 H. Orrego, Ph D
 C. Pace-Asciak, Ph D
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Professor and Chair of the Department

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Professors

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 P.P. Li, Ph D
 M.G. Neuman, Ph D
 J.M. Mayer, Ph D
 A. Nava-Ocampo, MSc, MD
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 M. Zack, Ph D

Visiting Professors

Lecturers

A. Hamadanizadeh, Ph D
 P. Lala, Ph D
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Adjunct Lecturers

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 J. Oldenhof, MSc, Ph D
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 M.J. Shram, Ph D

Introduction

Pharmacology and Toxicology are integrative biological sciences that examine the properties of chemical compounds and their interactions with living systems. They provide the scientific basis for the study of chemical actions in the health sciences, the use of drugs as therapeutic agents or as tools in scientific research, the development and control of pharmaceutical products, and the investigation and control of pollutants and poisons in natural and social environments. The Department of Pharmacology and

Toxicology offers four Specialist and two Major undergraduate programs of study that are jointly sponsored by the Faculties of Arts and Science and Medicine. The Specialist programs have the added benefit of providing students with opportunities to learn advanced laboratory techniques and to gain real-world experience through supervised independent research projects and participation in the Professional Experience Year Internship (see below). Students who intend to pursue graduate research and/or careers in pharmacology or toxicology are encouraged to enroll in a Specialist program because of the opportunities for additional experiential learning.

Students wishing to enroll in the Biomedical Toxicology Specialist (ASSPE2573) or in the Pharmacology Specialist (ASSPE2082) will initially apply to the joint Pharmacology and Biomedical Toxicology Specialist (ASSPE2340). After completion of first year pre-requisite courses and during the spring of their second year of study (and completion of PCL201H1) students can then choose to stay in the joint Pharmacology and Biomedical Toxicology Specialist or choose to apply to the Biomedical Toxicology Specialist or the Pharmacology Specialist. Students wishing to enroll in the Biomedical Toxicology Major (ASMAJ2573) or in the Pharmacology Major (ASMAJ2082) will initially apply to a general departmental Major (ASMAJ2675) and then after completion of first year pre-requisite courses and during the spring of their second year of study (and completion of PCL201H1) will select the focus for their future studies (Biomedical Toxicology or Pharmacology). Students wishing to enroll in the Environment and Toxicology Specialist (ASSPE0605) will apply directly to the program after completion of first year pre-requisite courses. Students will follow the calendar year in which they initially enter one of our programs (for students in a Specialist, that will be ASSPE2340; for students in a Major, that will be ASMAJ2675). First and second year courses are the same for students within either the Specialist programs (ASSPE2082/ASSPE2340/ASSPE2573) or the Major programs (ASMAJ2675/ASMAJ2082/ASMAJ2573) within the Department.

For students interested in our Specialist programs after their first year, a program ranked as their first choice will be considered before a program for which they have provided a lower ranking. The top-ranked students who meet the program requirements will be sent an invitation to join the program. If a student is not selected, his or her application will be forwarded to the administrator of the program listed as the second choice. This process continues until an invitation is sent or all Specialist programs have been considered. Students who miss POST enrolment may contact our Undergraduate Office for more information on how they can apply.

For further information about registration and courses, consult the Arts & Science Program Toolkit and Course Enrolment Instructions, and visit our website at: www.pharmtox.utoronto.ca.

Undergraduate Office - General Inquiries:
undergrad.pharmtox@utoronto.ca
 Medical Sciences Building, Room 4207 (416-978-2728)

Associate Chair, Undergraduate Coordinator:
 Dr. M. Arnot,
michelle.arnot@utoronto.ca
 Medical Sciences Building, Room 4219 (416-978-3164)

Regarding Pharmacology and Toxicology Programs

Professional Experience Year Co-op

The Professional Experience Year Co-op (PEY Co-op) internship program is a 12-16 month paid employment placement within pharmaceutical/biotechnology/chemical companies, university research laboratories, university-affiliated organizations, consulting companies or government research agencies. The PEY takes place between the 3rd and 4th years of undergraduate study and is open to Specialists in Pharmacology, Biomedical Toxicology and Environment and Toxicology who have a cGPA of at least 3.0. Students who participate in this program agree to return to their SPE program within the Department to complete their 4th year and degree program as enrolled prior. The PEY Co-op internship provides an excellent opportunity for real-world experience in drug development, project management, client relations, basic and clinical research, information management and regulatory affairs.

NOTE: Students cannot combine any MAJOR from this program with another MAJOR or SPECIALIST from this program for their degree.

Pharmacology and Toxicology Programs

Biomedical Toxicology Specialist (Science Program) - ASSPE2573

Description:

Biomedical toxicology has emerged as an important science addressing drug safety and the adverse consequences of chemical exposure. The Biomedical Toxicology Specialist program examines the harmful effects of chemicals on the health and behaviour of individuals and society. The safety/toxicity of a wide array of chemicals is examined including pharmaceutical preparations, herbal products, natural toxins and environmental contaminants, with a focus on their effects on human health. This program emphasizes the application of toxicological knowledge and risk assessment and prepares students for a variety of job opportunities following its completion as well as for further study in graduate research or professional programs such as Medicine, Dentistry, and Pharmacy. (Note: Students interested in professional programs should contact the respective faculties to inquire about specific transfer credits.) Many graduates of the Biomedical Toxicology Specialist program pursue careers in scientific research, forensic science, nutrition and food sciences, governmental agencies, consulting agencies, and industrial settings including the pharmaceutical and chemical industries. Students learn about basic and clinical toxicology and related areas through lectures, tutorials, laboratories, and independent research projects. The senior research project course enables students to gain valuable research experience while working under the supervision of an individual faculty member in either a laboratory-based or a non-laboratory-based setting.

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's marks in the 3.0 required first-year courses:

BIO120H1, BIO130H1, (CHM135H1, CHM136H1)/ CHM151Y1, and 1.0 FCE from (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1/ (PHY131H1, PHY132H1)/ (PHY151H1, PHY152H1) with an average of at least 70% on these 3.0 full-course equivalents (FCEs) and a final mark of at least 60% in each course.

Achieving these estimated marks does not guarantee admission to the program in any given year.

While it is difficult to predict what will be competitive course marks and average in a given year, based on previous years, the estimate is: course marks = mid 80s; average = mid 80s.

Students must apply to this program on the Arts & Science Faculty Registrar's Office website (see the [Arts & Science Program Enrolment website](#) for application procedures). Students wishing to enroll in the Biomedical Toxicology Specialist will initially apply to the Specialist in Pharmacology and Biomedical Toxicology (ASSPE2340). After completion of first year pre-requisite courses and during the spring of their second year of study (and completion of PCL201H1) students can then choose to apply to the Biomedical Toxicology Specialist. First and second year courses are the same for all Specialist programs within the Department (ASSPE2082/ASSPE2340/ASSPE2573). Students will follow the calendar year in which they initially enter one of our programs (students who are enrolled in the Biomedical Toxicology or the Pharmacology Specialist will follow the requirements for the calendar year in which they first enrolled in the Specialist in Pharmacology and Biomedical Toxicology (ASSPE2340)).

Students cannot combine the Biomedical Toxicology Specialist with either departmental Major programs (Biomedical Toxicology or Pharmacology).

Students wishing to enroll after their second year who have taken PCL201H1 will be considered on a case by case basis. Successful completion of required pre-requisite courses is required to further enroll in upper level program courses. Students may not transfer to the Major program from the Specialist after completion of PCL474Y1 or PEY.

Completion Requirements:

Students will follow the calendar year in which they initially enter one of our programs (ie for the majority of students that will be ASSPE2340).

(14.5 full courses or their equivalent)

First Year: BIO120H1; BIO130H1; (CHM135H1, CHM136H1)/ CHM151Y1; and 1 FCE from any combination of (MAT135H1, MAT136H1); PHY131H1/ PHY151H1; PHY132H1/ PHY152H1 (see NOTE 1)

Second Year: BCH210H1; BIO230H1/ BIO255H1; BIO260H1/ HMB265H1; CHM247H1/ CHM249H1; STA288H1; PCL201H1; (PSL300H1, PSL301H1) (NOTE: PSL201Y1 is not acceptable)

Third Year: PCL302H1; PCL362H1; at least 0.5 FCE from PCL367H1 or PCL368H1

Third or Fourth Year: LMP363H1 and two and a half (2.5 FCE) full-credit equivalent with at least 1.5 full credit equivalent from PCL courses: JPM300H1/ PCL345H1/ PCL367H1 or PCL368H1 (see NOTE 2)/ PCL389H1/ PCL475H1/ PCL476H1/ PCL475Y1/ PCL477H1/ PCL484H1/ PCL486H1/ PCL490H1/ JPM400Y1/ ANA301H1/ CHM310H1/ ESS463H1/ LMP301H1

Fourth Year: PCL402H1; (PCL482H1, PCL483H1)/ PCL473Y1; PCL474Y1/ JPM400Y1 (see NOTE 3); PCL481H1

An Integrative, Inquiry-Based Activity Requirement must be satisfied.

The requirement for an integrative, inquiry-based and/or experiential activity must be met by completing at least one of the following: PCL297H1, PCL389H1, PCL397Y0, PCL472Y1, PCL474Y1, JPM400Y1, Professional Experience Year

NOTES:

1. Any PHY/MAT courses should be completed during the first year and included for program enrolment.
2. At least 0.5 FCE from PCL367H1 or PCL368H1 is required for the program, however if desired the alternative course can be taken as a program elective.
3. Enrolment in any of PCL474Y1 or JPM400Y1 is limited and requires permission from the Department of Pharmacology and Toxicology. Students must receive prior consent from the course coordinator according to Departmental guidelines before the Department will register them in the course. Students can take either course as their required independent project, or may take JPM400Y1 as an additional elective. It is the student's responsibility to make all necessary preparations before the session starts (see course description).

Professional Experience Year:

The Professional Experience Year (PEY) internship program is a 12-16 month paid employment placement within pharmaceutical/biotechnology/chemical companies, university research laboratories, university-affiliated organizations, consulting companies or government research agencies. The PEY takes place between the 3rd and 4th years of undergraduate study and is open to Specialists in Biomedical Toxicology who have a cGPA of at least 3.0. Students who participate in this program agree to return to their SPE program in the Department to complete their 4th year and their degree. The PEY internship provides an excellent opportunity for real-world experience in drug development, project management, client relations, basic and clinical research, information management and regulatory affairs.

Environment & Toxicology Specialist (Science Program) - ASSPE0605

Description:

This program is jointly sponsored by the Department of Pharmacology and Toxicology and the School of the Environment. For additional information see "School of the Environment" (www.environment.utoronto.ca) or consult our website: www.pharmtox.utoronto.ca.

The Environment and Toxicology Specialist program is an interdisciplinary program which spans the social, physical and life sciences and integrates study of the effects of chemicals not only on the health and behaviour of human beings but on whole ecosystems

as the adverse effects associated with therapeutic and environmental chemicals are discussed. This program emphasizes the application of knowledge of environmental toxicology and risk assessment and prepares students for a variety of job opportunities following its completion. Graduates of the Environment and Toxicology program may pursue careers in scientific research, environmental science, conservation science, governmental agencies, consulting agencies, and within chemical, manufacturing or agriculture industries. Students learn to integrate basic environmental and life science with particular aspects of clinical toxicology and related areas through lectures, tutorials, and laboratory and independent research project experience. The senior independent research project course enables students to gain valuable research experience while working under the supervision of an individual faculty member in either a laboratory-based or a non-laboratory-based setting.

The Professional Experience Year (PEY) internship program is a 12-16 month paid employment placement within pharmaceutical/biotechnology/chemical companies, university research laboratories, university-affiliated organizations, consulting companies or government research agencies. The PEY takes place between the 3rd and 4th years of undergraduate study and is open to Specialists in Pharmacology and Biomedical Toxicology who have a cGPA of at least 3.0. Students who participate in this program agree to return to their SPE program in the Department to complete their 4th year and their degree. The PEY internship provides an excellent opportunity for real-world experience in drug development, project management, client relations, basic and clinical research, information management and regulatory affairs.

Enrolment Requirements:

The Environment and Toxicology Specialist is a Type 2L program and can only accommodate a limited number of students. Admission into this program is determined by a student's average in the following courses: BIO120H1, BIO130H1, CHM135H1, CHM136H1 and one full course equivalent from any of PHY131H1, PHY132H1, MAT135H1, MAT136H1. It is expected that a cumulative average 70% in the selected courses will be required for admission; however, achieving that mark does not necessarily guarantee admission to the program in any given year. **Entry into the program** requires completion of BIO120H1, BIO130H1, CHM135H1, CHM136H1; one FCE from any of PHY131H1, PHY132H1, MAT135H1, or MAT136H1. See the Arts & Science Program Enrolment website for application procedures.

NOTE: Students cannot combine a Biomedical Toxicology Major program with an Environment and Toxicology Specialist program for their degree.

Students who wish to enroll in the program **after** their second year will be considered on a case-by-case basis. Successful completion of required prerequisite courses is required to enroll in further upper-level program courses.

Completion Requirements:

(14 full courses or their equivalent, including 4.0 300+-level courses, 1.0 of which must be at the 400-level).

First Year: BIO120H1; BIO130H1; CHM135H1; CHM136H1; and at least 1.0 FCE from PHY131H1; PHY132H1; MAT135H1; MAT136H1

Second Year: BCH210H1; BIO230H1/ BIO255H1; ENV221H1; ENV222H1, PCL201H1 and CHM247H1. One FCE from (BIO270H1, BIO271H1)/ (PSL300H1, PSL301H1) (see NOTE 1)

Third and Fourth Years: BIO220H1; ENV234H1; JGE321H1; ENV334H1; CHM210H1; PCL302H1; PCL362H1; (PCL482H1, PCL483H1)/ PCL473Y1
One from STA220H1/ STA221H1/ STA288H1/ EEB225H1 (see NOTE 2)
One from ENV421H1/ PCL367H1/ PCL474Y1 (see NOTE 2)
At least 1.0 FCE from: ENV341H1; PHY231H1; ENV337H1/ JEE337H1; CHM310H1; ESS463H1; JPM300H1; PCL477H1; PCL481H1; PCL484H1; PCL486H1; PCL490H1; LMP301H1; LMP363H1 (see NOTE 3)

An Integrative, Inquiry-Based Activity Requirement must be satisfied.

The requirement for an integrative, inquiry-based and/or experiential activity must be met by completing at least one of the following: PCL297H1, PCL367H1, PCL397Y0, ENV421H1, PCL474Y1,

Professional Experience Year

NOTES:

1. PSL300H1 and PSL301H1 require MAT100/ PHY100 -series courses.
2. PCL201H1, and PCL302H1 are pre-requisites for students intending to take PCL474Y1. Students intending to take PCL474Y1 must obtain permission from the Undergraduate Student Advisor of the School of the Environment 3 months prior to the intended date of enrolment. Students must also consult with the Department of Pharmacology and Toxicology at least 3 months prior to the intended date of enrolment.
3. Students taking PCL481H1 must take PCL302H1 and PCL362H1 as prerequisites. Students taking PCL477H1 must take BCH210H1 prior. **Students taking ENV421H1 or PCL367H1 must take 1.5 FCE from program electives requirement list of courses to ensure 15 FCE program credits.**

Pharmacology Specialist (Science Program) - ASSPE2082

Description:

Pharmacology is an integrative medical science that builds upon the core foundational disciplines of the basic life sciences. The Pharmacology Specialist program aims to provide students with an understanding of the therapeutic properties and clinical uses of externally administered chemical substances in the whole body, as well as the mechanisms of their actions and interactions with molecular, cellular and tissue targets. This understanding prepares students for a variety of either research-based or non-research-based careers, including positions in the pharmaceutical and biotechnology industries, in government agencies, in research institutes and in universities. Students learn about both basic and clinical pharmacology through lectures, tutorials, laboratories and independent research projects. The senior research project course enables students to gain valuable research experience while working under the supervision of an individual faculty member in either a laboratory-based or a non-laboratory-based setting.

Pharmacology (and its application in clinical therapeutics) plays a prominent role in society, and a comprehension of drug mechanisms and uses is fundamental to career success in the fields of medicine, dentistry, pharmacy and nursing. While some students take the Pharmacology Specialist program in preparation for these professional programs, students are advised to contact the respective Faculties directly for questions related to transfer credits.

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's marks in the 3.0 required first-year courses:

BIO120H1, BIO130H1, (CHM135H1, CHM136H1)/ CHM151Y1, and 1.0 FCE from (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1 (PHY131H1, PHY132H1)/ (PHY151H1, PHY152H1) with an average of at least 70% on these 3.0 full-course equivalents (FCEs) and a final mark of at least 60% in each course.

Achieving these estimated marks does not guarantee admission to the program in any given year.

While it is difficult to predict what will be competitive course marks and average in a given year, based on previous years, the estimate is: course marks = mid 80s; average = mid 80s.

Students must apply to this program on the Arts & Science Faculty Registrar's Office website (see the Arts & Science Program Enrolment website for application procedures). Students wishing to enroll in the Pharmacology Specialist will initially apply to the Specialist in Pharmacology and Biomedical Toxicology (ASSPE2340). After completion of first year pre-requisite courses and during the spring of their second year of study (and completion of PCL201H1) students can then choose to apply to the Pharmacology Specialist. First and second year courses are the same for all Specialist programs within the Department (ASSPE2082/ASSPE2340/ASSPE2573).

Students will follow the calendar year in which they initially enter one of our programs (students who are enrolled in the Biomedical Toxicology or the Pharmacology Specialist will follow the requirements for the calendar year in which they first enrolled in the Specialist in Pharmacology and Biomedical Toxicology (ASSPE2340)).

Students cannot combine the Biomedical Toxicology Specialist with either departmental Major programs (Biomedical Toxicology or Pharmacology).

Students wishing to enroll **after** their second year who have taken PCL201H1 will be considered on a case by case basis. Successful completion of required pre-requisite courses is required to further enroll in upper level program courses. Students may not transfer to the Major program from the Specialist after completion of PCL472Y1 or PEY.

Completion Requirements:

Students will follow the calendar year in which they initially enter one of our programs (i.e., for the majority of students that will be ASSPE2340).

(14.5 full courses or their equivalent)

First Year: BIO120H1; BIO130H1; (CHM135H1, CHM136H1)/ CHM151Y1; and 1 FCE from any combination of (MAT135H1, MAT136H1); PHY131H1/ PHY151H1; PHY132H1/ PHY152H1 (see NOTE 1)

Second Year: BCH210H1; BIO230H1/ BIO255H1; BIO260H1/ HMB265H1; CHM247H1/ CHM249H1; STA288H1; PCL201H1; (PSL300H1, PSL301H1)/ (NOTE: PSL201Y1 is not acceptable)

Third Year: BCH311H1/ PSL350H1; PCL302H1; at least 0.5 FCE from PCL367H1 or PCL368H1

Third or Fourth Year: PCL469H1 and 3.5 full-course equivalents with at least 1.5 full credit equivalents from PCL courses: JPM300H1/ PCL345H1/ PCL367H1 or PCL368H1 (see NOTE 2)/ PCL389H1/ PCL475H1/ PCL476H1/ PCL475Y1/ PCL477H1/ PCL484H1/ PCL486H1/ PCL490H1/ JPM400Y1/ ANA300Y1/ BCH340H1/ BCH350H1

Fourth Year: PCL402H1; PCL470H1/ PCL470Y1; PCL472Y1/ JPM400Y1 (see NOTE 3)

An Integrative, Inquiry-Based Activity Requirement must be satisfied.

The requirement for an integrative, inquiry-based and/or experiential activity must be met by completing at least one of the following: PCL297H1, PCL389H1, PCL397Y0, PCL472Y1, PCL474Y1, JPM400Y1, Professional Experience Year

NOTES:

1. Any PHY/MAT courses should be completed during the first year and included for program enrolment.
2. At least 0.5 FCE from PCL367H1 or PCL368H1 is required for the program, however if desired the alternative course can be taken as a program elective.
3. Enrolment in either PCL472Y1 or JPM400Y1 is limited and requires permission from the Department of Pharmacology and Toxicology. Students must receive prior consent from course coordinator according to Departmental guidelines before the Department will register them in the course. Students can take either course as their required independent project, or may take JPM400Y1 as an additional elective. It is the student's responsibility to make all necessary preparations before the session starts (see course description).

Professional Experience Year:

The Professional Experience Year (PEY) internship program is a 12-16 month paid employment placement within pharmaceutical/biotechnology/chemical companies, university research laboratories, university-affiliated organizations, consulting companies or government research agencies. The PEY takes place between the 3rd and 4th years of undergraduate study and is open to Specialists in Pharmacology who have a cGPA of at least 3.0. Students who participate in this program agree to return to their SPE program in the Department to complete their 4th year and their degree. The PEY internship provides an excellent opportunity for real-world experience in drug development, project management, client relations, basic and clinical research, information management and regulatory affairs.

Specialist in Pharmacology and Biomedical Toxicology (Science Program) - ASSPE2340

Description:

Pharmacology and Biomedical Toxicology are complementary sciences, and the Pharmacology and Biomedical Toxicology Specialist combines the requirements of the two distinct specialist programs. The Specialist program integrates knowledge of pharmacology – the understanding of the therapeutic properties and clinical applications of externally administered chemical substances in the whole body and the mechanisms of their actions and interactions with their intended targets, while biomedical toxicology examines the harmful effects of exogenous chemicals on the health and behaviour of individuals and society, addressing drug safety and the adverse consequences of chemical exposure. Biomedical toxicology includes understanding the safety/toxicity of a wide array of chemicals (pharmaceutical preparations, herbal products, natural toxins and environmental contaminants) with a focus on their effects and adverse consequences on human health.

Both Pharmacology and Biomedical Toxicology are integrative life sciences which build on the core foundational disciplines of the basic life sciences and the prominent role each science plays in society. A comprehension of the biological mechanisms of action and potential uses of chemicals are key to career success in the fields of medicine, dentistry, pharmacy and nursing. The Specialist program prepares students for a variety of job opportunities following its completion as well as for further study in graduate research or professional programs such as Medicine, Dentistry, and Pharmacy. (Note: Students interested in professional programs should contact the respective faculties to inquire about specific transfer credits.) Graduates of this rigorous program will have access to an impressive variety of job opportunities in either research-based or non-research-based careers, including scientific research in research institutes and in universities, positions in the pharmaceutical, biotechnology and chemical industries, forensic science, nutrition and food sciences, government or consulting agencies. Students learn about both basic and clinical pharmacology and biomedical toxicology through lectures, tutorials, small group sessions, laboratories and independent research projects. The senior research project course enables students to gain valuable research experience while working under the supervision of an individual faculty member in either a laboratory-based or a non-laboratory-based setting.

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's marks in the 3.0 required first-year courses:

BIO120H1, BIO130H1, (CHM135H1, CHM136H1)/ CHM151Y1, and 1.0 FCE from (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1/ (PHY131H1, PHY132H1)/ (PHY151H1, PHY152H1) with an average of at least 70% on these 3.0 full-course equivalents (FCEs) and a final mark of at least 60% in each course.

Achieving these estimated marks does not guarantee admission to the program in any given year.

While it is difficult to predict what will be competitive course marks and average in a given year, based on previous years, the estimate is: course marks = mid 80s; average = mid 80s.

Students must apply to this program on the Arts & Science Faculty Registrar's Office website (see the Arts & Science Program Enrolment website for application procedures). Students will follow the calendar year in which they initially enter one of our programs. Students cannot combine the Biomedical Toxicology Specialist with either departmental Major programs (Biomedical Toxicology or Pharmacology).

Students wishing to enroll **after** their second year who have taken PCL201H1 will be considered on a case by case basis. Successful completion of required pre-requisite courses is required to further enroll in upper level program courses. Students may not transfer to the Major program from the Specialist after completion of PCL472Y1/ PCL474Y1 courses or PEY.

Completion Requirements:

Students will follow the calendar year in which they initially enter one of our programs (i.e., for the majority of students that will be ASSPE2340).

(15 full courses or their equivalent)

First Year: BIO120H1; BIO130H1; (CHM135H1, CHM136H1)/ CHM151Y1; and 1 FCE from any combination of (MAT135H1, MAT136H1); PHY131H1/ PHY151H1; PHY132H1/ PHY152H1 (see NOTE 1)

Second Year: BCH210H1; BIO230H1/ BIO255H1; BIO260H1/ HMB265H1; CHM247H1/ CHM249H1; STA288H1; PCL201H1; (PSL300H1, PSL301H1) (NOTE: PSL201Y1 is not acceptable)

Third Year: BCH311H1/ PSL350H1; PCL302H1; PCL362H1; at least 0.5 FCE from PCL367H1 or PCL368H1 (see NOTE 2)

Third or Fourth Year: LMP363H1, PCL469H1, and a one and half (1.5 FCE) full-credit equivalent from the following courses: JPM300H1/ PCL345H1/ PCL367H1 or PCL368H1 (see NOTE 2)/ PCL389H1/ PCL475H1/ PCL476H1/ PCL475Y1/ PCL477H1/ PCL484H1/ PCL486H1/ PCL490H1/ JPM400Y1/ LMP301H1. Additional courses that may strengthen your background in this program can be taken, but will not count towards your program: ANA300Y1/ ANA301H1/ BCH340H1/ CHM310H1/ ESS463H1

Fourth Year: PCL402H1; PCL470H1/ PCL470Y1; (PCL482H1, PCL483H1)/ PCL473Y1; PCL472Y1/ PCL474Y1/ JPM400Y1 (see NOTE 3); PCL481H1

An Integrative, Inquiry-Based Activity Requirement must be satisfied.

The requirement for an integrative, inquiry-based and/or experiential activity must be met by completing at least one of the following: PCL297H1, PCL389H1, PCL397Y0, PCL472Y1, PCL474Y1, JPM400Y1, Professional Experience Year.

NOTES:

1. Any PHY/MAT courses should be completed during the first year and included for program enrolment.

2. At least 0.5 FCE from PCL367H1 or PCL368H1 is required for the program, however if desired the alternative course can be taken as a program elective.

3. Enrolment in any of PCL472Y1/ PCL474Y1 or JPM400Y1 is limited and requires permission from the Department of Pharmacology and Toxicology. Students must receive prior consent from the course coordinator according to Departmental guidelines before the Department will register them in the course. Students can take either course as their required independent project, or may take JPM400Y1 as an additional elective. It is the student's responsibility to make all necessary preparations before the session starts (see course description).

Professional Experience Year:

The Professional Experience Year (PEY) internship program is a 12-16 month paid employment placement within pharmaceutical/biotechnology/chemical companies, university research laboratories, university-affiliated organizations, consulting companies or government research agencies. The PEY takes place between the 3rd and 4th years of undergraduate study and is open to Specialists in Pharmacology and Biomedical Toxicology who have a cGPA of at least 3.0. Students who participate in this program agree to return to their SPE program in the Department to complete their 4th year and their degree. The PEY internship provides an excellent opportunity for real-world experience in drug development, project management, client relations, basic and clinical research, information management and regulatory affairs.

Biomedical Toxicology Major (Science Program) - ASMAJ2573

Description:

Biomedical toxicology has emerged as an important science addressing drug safety and the adverse consequences of chemical exposure. The Biomedical Toxicology Major program examines the harmful effects of chemicals on the health and behavior of individuals and society. The safety/toxicity of a wide array of chemicals is examined including pharmaceutical preparations, herbal products, natural toxins, and environmental contaminants, with a focus on their effects on human health. Students learn about basic and clinical toxicology and related areas through lectures, tutorials and class discussions/debates.

This program includes the application of toxicological knowledge and risk assessment and prepares students for a variety of job opportunities following its completion as well as for further study in graduate research or professional programs such as Medicine, Dentistry, and Pharmacy. (Note: Students interested in professional programs should contact the respective faculties to inquire about specific transfer credits.) Many graduates of the Biomedical Toxicology major program pursue careers in scientific research, forensic science, nutrition and food sciences, governmental agencies, consulting agencies, and industrial settings including the pharmaceutical and chemical industries.

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's marks in the 2.0 required first-year courses:

BIO120H1, BIO130H1, (CHM135H1, CHM136H1)/ CHM151Y1, with an average of at least 70% on these 2.0 full-course equivalents (FCEs) and a final mark of at least 60% in each course.

Achieving these estimated marks does not guarantee admission to the program in any given year.

While it is difficult to predict what will be competitive course marks and average in a given year, based on previous years, the estimate is: course marks = mid 80s; average = mid 80s.

Students must apply to this program on the Arts & Science Faculty Registrar's Office website (see the Arts & Science Program Enrolment website for application procedures). Students wishing to enroll in this program will initially apply to a general departmental Major (ASMAJ2675) after their first year and during the spring of their second year of study (and completion of PCL201H1) students will select the focus for their future studies (Biomedical Toxicology or Pharmacology). First and second year courses are the same for all Major programs within the Department (ASMAJ2675/ASMAJ2082/ASMAJ2573). Students cannot combine a Biomedical Toxicology Major program with a Pharmacology Major or Specialist program for their degree.

Students will follow the calendar year in which they initially enter one of our programs (i.e., the ASMAJ2675).

Students wishing to enroll **after** their second year who have taken PCL201H1 will be considered on a case by case basis. Successful completion of required pre-requisite courses is required to further enroll in upper level program courses.

Completion Requirements:

Students will follow the calendar year in which they initially enter one of our programs (i.e., for the majority of students that will be ASMAJ2675).

(8 full courses or their equivalent)

First Year: BIO120H1; BIO130H1; (CHM135H1, CHM136H1)/ CHM151Y1

Second Year: BCH210H1; BIO230H1/ BIO255H1; PCL201H1; CHM247H1/ CHM249H1; (PSL300H1, PSL301H1) (NOTE: PSL201Y1 is not acceptable)

Third Year: PCL302H1; PCL362H1

Third or Fourth Year: 1.0 full-credit equivalent with at least one-half credit equivalent from PCL courses: JPM300H1/ JPM400Y1/ PCL345H1/ PCL367H1/ PCL368H1/ PCL389H1/ PCL402H1/ PCL475H1/ PCL476H1/ PCL475Y1/ PCL477H1/ PCL481H1/ PCL484H1/ PCL486H1/ PCL490H1/ ANA301H1/ LMP301H1/ LMP363H1

Fourth Year: (PCL482H1, PCL483H1)/ PCL473Y1

NOTES

1. Students are not allowed to enroll concurrently in the Major Program in Pharmacology and the Major Program in Toxicology.
2. Students are not allowed to enroll concurrently in the Major Program in Pharmacology and a Specialist Program in Toxicology.
3. Students are not permitted to take PCL472Y1 or PCL474Y1.

Pharmacology Major (Science Program) - ASMAJ2082

Description:

Pharmacology is an integrative medical science that builds upon the core foundational disciplines of the basic life sciences. This program is intended for students who want to gain knowledge in Pharmacology in combination with a separate and complementary area of study and is designed for students interested in broad, multidisciplinary training. The Pharmacology Major program is designed to provide students with a broad understanding of the therapeutic properties and clinical uses of externally administered chemical substances in the whole body, as well as the mechanisms of their actions and interactions with molecular, cellular and tissue targets. Students learn about both basic and clinical pharmacology through lectures, tutorials and small group sessions.

This understanding prepares students for a variety of either research-based or non-research-based careers, including positions in the pharmaceutical and biotechnology industries, in government agencies, in research institutes and in universities. Pharmacology (and its application in clinical therapeutics) plays a prominent role in society, and a comprehension of drug mechanisms and uses is fundamental to career success in the fields of medicine, dentistry, pharmacy and nursing. While some students take the Pharmacology Major program in preparation for these professional programs, students are advised to contact the respective Faculties directly for questions related to transfer credits.

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's marks in the 2.0 required first-year courses:

BIO120H1, BIO130H1, (CHM135H1, CHM136H1)/CHM151Y1, with an average of at least 70% on these 2.0 full-course equivalents (FCEs) and a final mark of at least 60% in each course.

Achieving these estimated marks does not guarantee admission to the program in any given year.

While it is difficult to predict what will be competitive course marks and average in a given year, based on previous years, the estimate is: course marks = mid 80s; average = mid 80s.

Students must apply to this program on the Arts & Science Faculty Registrar's Office website (see the [Arts & Science Program Enrolment website](#) for application procedures). Students wishing to enroll in this program will initially apply to a general departmental Major (ASMAJ2675) after their first year and during the spring of their second year of study (and completion of PCL201H1) students will select the focus for their future studies (Biomedical Toxicology or Pharmacology). First and second year courses are the same for all Major programs within the Department (ASMAJ2675/ASMAJ2082/ASMAJ2573). Students cannot combine a Pharmacology Major program with a Pharmacology Major or Specialist program for their degree. Students will follow the calendar year in which they initially enter one of our programs (i.e., the ASMAJ2675).

Students wishing to enroll **after** their second year who have taken PCL201H1 will be considered on a case by case basis. Successful completion of required pre-requisite courses is required to further enroll in upper level program courses.

Completion Requirements:

Students will follow the calendar year in which they initially enter one of our programs (i.e., for the majority of students that will be ASMAJ2675).

(8 full courses or their equivalent)

First Year: BIO120H1; BIO130H1; (CHM135H1, CHM136H1)/CHM151Y1

Second Year: BCH210H1; BIO230H1/ BIO255H1; PCL201H1; CHM247H1/ CHM249H1; (PSL300H1, PSL301H1) (NOTE: PSL201Y1 is not acceptable)

Third Year: PCL302H1; BCH311H1/ PSL350H1

Third or Fourth Year: PCL469H1 and 1.0 full course equivalent from: JPM300H1/ JPM400Y1/ PCL345H1/ PCL367H1/ PCL368H1/ PCL389H1/ PCL402H1/ PCL475H1/ PCL476H1/ PCL475Y1/ PCL477H1/ PCL484H1/ PCL486H1/ PCL490H1

Fourth Year: PCL470H1/ PCL470Y1

NOTES:

1. Students are not allowed to enroll concurrently in the Major Program in Pharmacology and the Major Program in Toxicology.
2. Students are not allowed to enroll concurrently in the Major Program in Pharmacology and a Specialist Program in Toxicology.
3. Students are not permitted to take PCL472Y1 or PCL474Y1.

Pharmacology and Toxicology Courses

PCL102H1 - The Art of Drug Discovery

Hours: 24L

This course introduces students to the processes and strategies for discovering new drugs with a special focus on current and emerging approaches for the rational design of drugs that are both effective and safe.

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PCL200H1 - Drugs & the Brain

Hours: 24L

Lectures introduce students to prescribed and illicit drugs that affect the brain. Lectures cover drug pharmacology and explain how drugs alter mood, perception, cognition, and arousal by affecting different aspects of brain function. The societal impact of these prescribed and illicit drugs is also discussed

Prerequisite: None

Exclusion: PSY396H1, PCL302H1, BCH210H1, BCH242Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PCL201H1 - Introduction to Pharmacology and Pharmacokinetic Principles

Hours: 36L/6T

A general introduction to the principles of pharmacology and pharmacokinetics. Topics include chemical (drug) absorption, distribution, biotransformation, elimination; the calculation of dosages and pharmacokinetic parameters, variability in drug response, adverse drug reactions and special interest topics.

Prerequisite: BIO130H1

Corequisite: Recommended Co-requisites: BIO230H1/ BIO255H1, PSL300H1/ PSL301H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PCL218H1 - Cannabis the Drug**Hours:** 24L

There is a critical need for a breadth of understanding regarding its mechanism of action, pharmacological effects and its potential benefits and harms (short- and long-term). Students will gain a breadth of understanding in cannabis-related topics including pharmacology and toxicology, its role in mental health and addictions, medical use, drug policy and new drug development that stems from increased access to cannabis constituents. They will learn to differentiate myths and anecdotes from evidence-based knowledge. Going forward it is imperative that students spanning basic sciences through business, arts and engineering have a comprehensive understanding of these topics. PCL218H1 will give students for a variety of academic backgrounds a basic understanding of the health implications of cannabis which have broad implications for both our professional and personal lives.

Distribution Requirements: Science**Breadth Requirements:** Living Things and Their Environment (4)**JPM300H1 - Research Readiness and Advancing Biomedical Discoveries****Hours:** 12L/24T

Explore how scientists leverage their knowledge and skills to advance academic biomedical discoveries from the laboratory to improve patient health through either commercialization or not-for-profit approaches. Students will learn about innovation and develop key research and industry skills including intellectual property, ethics, budget and project management; learn how to critically evaluate scientific evidence and effectively communicate to a wide audience. This hybrid student-centered course will include interactive online modules and in-class group work. Course work will focus on developing skills and knowledge to help you be successful in diverse research courses and future careers. Not eligible for CR/NCR.

Prerequisite: 10.0 FCE completed; BCH210H1/ BCH242Y1**Recommended Preparation:** PSL300H1, PSL301H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**PCL297H1 - Research Experience in Pharmacology & Toxicology****Hours:** 60P

A formal opportunity to gain hands-on experience and develop their skills within a research laboratory setting. Students will have a chance to become familiar and efficient at good lab practices, develop critical thinking and evaluation skills while applying their knowledge and developing trouble shooting skills to practical research questions. This course is Pass/Fail. Not eligible for CR/NCR option.

Prerequisite: None; Permission of Faculty Supervisor and Departmental Undergraduate Coordinator required.**Corequisite:** None**Recommended Preparation:** Completion of at least first year of Life Sciences program.**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**PCL302H1 - Pharmacodynamic Principles****Hours:** 36L

Topics include biological action of drugs on membranes, enzymes, receptors, neural and hormonal systems, transmission and modulation.

Prerequisite: (PSL300H1, PSL301H1)**Recommended Preparation:** PCL201H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**PCL345H1 - Experimental Approaches in Drug Discovery****Hours:** 24L

Lecturers use their own research to demonstrate how they approach a biological question. The lectures emphasize why one approach is chosen over other possible approaches, and explain the strengths and limitations of techniques. Following the one-hour lecture there is an interactive discussion of the experimental approach covered in the lecture.

Prerequisite: One of PSL300H1/ PSL301H1/ BIO270H1/ BIO271H1, and completion of at least 10.0 FCE, or permission of Department**Recommended Preparation:** BCH210H1, PCL201H1, PCL302H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**PCL299Y1 - Research Opportunity Program****Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Science

PCL362H1 - Introductory Toxicology**Hours:** 27L/5T

Toxicological problems encountered in animals and humans; biochemical mechanisms and clinical factors of toxicological significance; models of drug-related diseases.

Prerequisite: BIO130H1, PCL201H1 or Permission of the Department

Corequisite: Recommended Co-requisite: PCL302H1, BCH311H1/CSB349H1

Recommended Preparation: BCH210H1, CHM247H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PCL368H1 - Drug Development Pipeline II: In vivo**Hours:** 8T/40P

This course will provide a learning experience that parallels and simulates the process, protocols, methods and evaluation tools used for later-stage *in vivo* drug development. Modules will build on the student's fundamental knowledge and simulate the thought processes and techniques used during drug development in research institutes, clinical research organizations and pharmaceutical and biotechnology companies worldwide. Modules will include pharmacokinetic and pharmacodynamic analyses and pharmacogenetic screening approaches in model systems and humans. This experience will allow students to leverage their learned skills and knowledge to improve their comprehension and employability in this area, while honing critical thinking and analytical skills.

Prerequisite: PSL300H1, PSL301H1, PCL201H1, PCL302H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PCL366H1 - Basic Pharmacology and Toxicology Laboratory**Hours:** 16T/32P

Through practical hands-on laboratory experiments and tutorials, students will be introduced to some basic experimental techniques and laboratory skills that are used within pharmacology and toxicology research. (Ancillary lab fee \$25)

Prerequisite: PCL201H1, PSL300H1/ PSL301H1

Corequisite: PCL302H1

Exclusion: PCL365Y1/ PCL471Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PCL376H1 - Experimental Design and Data Analysis for Pharmacology and Toxicology**Hours:** 30L/6T

This course includes lectures focused on experimental design and the analysis of pharmacological and toxicological data. Topics include: principles of experimental design, data analysis and statistical tests appropriate for each type, use of computing statistical packages, analysis of dose-response and time-response curves and analysis of receptor binding assays. Practical applications and problem sets will be taken up in class and in tutorials.

Prerequisite: PCL201H1

Corequisite: PCL302H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PCL367H1 - Drug Development Pipeline I: In vitro**Hours:** 8T/40P

This course will provide a learning experience that simulates the process, techniques, analysis and evaluation methods used for early-stage *in vitro* drug development. Modules will build on the student's fundamental knowledge and will simulate and illustrate the thought processes and techniques that are used during new drug development in academic research institutes, clinical research organizations and pharmaceutical and biotechnology companies worldwide. Modules include target screening, cytotoxicity assays, transcriptional activation testing and metabolizing enzyme identification experiments. This experience will allow students to leverage their learned knowledge to improve their employability in this area, while honing their critical thinking and analytical skills.

Prerequisite: PSL300H1, PSL301H1

Corequisite: PCL302H1

Recommended Preparation: PCL201H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PCL389H1 - Understanding the Role of Pharmacology and Toxicology in Society**Hours:** 24L

This service learning course explores issues surrounding the effects that pharmaceuticals and chemicals have in society. Specifically, it integrates pharmacology and toxicology with social, health and political issues as they relate to drug abuse and addiction. Students are required to interact and work with community partners during the semester (approx 20hrs). Classroom discussions will integrate community experiences with lecture material.

Prerequisite: PCL201H1

Corequisite: PCL302H1; (PSL300H1, PSL301H1)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PCL397Y0 - Research Abroad in Pharmacology and Toxicology

Hours: 200P

An independent research project in a pharmacology and/or toxicology laboratory in an approved partner university. This international research experience will be supervised by a faculty member at the partner institution and will allow students to develop critical thinking and evaluation skills while applying their knowledge and trouble shooting skills to practical research questions. Not eligible for CR/NCR option.

Prerequisite: PCL201H1 (65%), PSL300H1 (65%), PSL301H1 (65%); permission from the Undergraduate Coordinator

Recommended Preparation: PCL302H1 (65%)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PCL399Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

JPM400Y1 - Biomedical Incubator Capstone Project

Hours: 240P/16S

Discover what it is like to be part of a biomedical innovation team. Develop and engage in biomedical research in a simulated small business/incubator setting under the guidance of a faculty mentor. Bring your proposed JPM300H1 project to life, while acquiring budget management, research, business and communication workplace skills for future careers. Enrolment is application-based. Proposals will be reviewed by committee and successful proposals will be matched to a mentor. Not eligible for CR/NCR option.

Students will form teams and develop a research proposal based on either:

1. Faculty led concept requiring further development and testing, which would not normally be funded grants and would be tangential to ongoing research in the lab.

2. Student developed innovative idea that requires further development and testing. This should be a project that is not being investigated in a UofT research lab.

Prerequisite: A minimum of 75% in JPM300H1; completion of any of PCL367H1/ PCL368H1/ PSL372H1/ BCH370H1/ BCH377H1.

Application required; see department for more information.

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PCL402H1 - Pharmacology and Toxicology in Drug Development

Hours: 24L

This course provides the basic principles of drug development, with a primary focus on the application of fundamental principles of pharmacology and toxicology to the design and conduct of early phase clinical trials. This is the phase of the drug development process where much of the innovation and science occurs.

Prerequisite: PCL201H1, PCL302H1

Corequisite: PCL470H1 or PCL473Y1

Recommended Preparation: PSL300H1, PSL301H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PCL461H1 - Advanced Pharmacology and Toxicology Laboratory

Hours: 12T/36P

Advanced laboratory exercises and discussions through tutorials and presentations in selected areas of pharmacology. Enrollment in this course is generally restricted to students enrolled in the Pharmacology Specialist and Pharmacology and Biomedical Toxicology Specialist programs. (Ancillary lab fee \$25).

Prerequisite: PCL201H1, PCL302H1, PSL300H1/ PSL301H1, PCL366H1

Exclusion: PCL365Y1/ PCL471Y1

Recommended Preparation: PCL469H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PCL469H1 - Systems Pharmacology I

Previous Course Number: PCL470Y1

Hours: 31L/4T

A culmination of pharmacological principles discussing concepts of drug properties and their interactions within the body. The mechanism of action, pharmacological properties including clinical use and adverse effects of drugs acting on the autonomic nervous systems, cardiovascular, renal, respiratory, gastrointestinal and endocrine systems will be examined. Critical evaluation of primary literature and examination of clinical problem-based case studies will be integrated with lecture material through small group sessions.

Prerequisite: PCL201H1, PCL302H1, (PSL300H1, PSL301H1)

Exclusion: PCL470Y1

Recommended Preparation: BCH210H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PCL470H1 - Systems Pharmacology II

Previous Course Number: PCL470Y1

Hours: 31L/4T

A culmination of pharmacological principles discussing concepts of drug properties and their interactions within the body. The mechanism of action, pharmacological properties including clinical use and adverse effects of drugs acting on the central nervous systems and immunological system; antimicrobial and cancer chemotherapeutic agents as well as the potential therapeutic use of endogenous/herbal compounds will be examined. Critical evaluation of primary literature and examination of clinical problem-based case studies will be integrated with lecture material through small group sessions.

Prerequisite: PCL201H1, PCL302H1, (PSL300H1, PSL301H1)

Exclusion: PCL470Y1

Recommended Preparation: BCH210H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PCL474Y1 - Project in Toxicology

This course affords students an opportunity for hands-on research experience in a laboratory or applied toxicology setting. Students will work under the supervision of a staff member and will submit a final written report and oral presentation. Enrollment is limited and requires permission from the Department of Pharmacology and Toxicology. It is the student's responsibility to secure a placement with an approved supervisor before the course begins (a list of potential supervisors can be obtained from the Department of Pharmacology and Toxicology). Students will be registered in the course once their ballot form (obtained from the Department of Pharmacology and Toxicology) is signed by an approved supervisor and approved by the Department of Pharmacology and Toxicology. Students are expected to spend approximately 200 hours towards this project but this will be project/supervisor dependent. Not eligible for CR/NCR option.

Prerequisite: PCL201H1, PCL302H1, PCL366H1/ PCL367H1/ PCL368H1, STA288H1/ PCL376H1, and permission of Department

Exclusion: PCL472Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PCL472Y1 - Project in Pharmacology

This course affords students an opportunity for hands-on research experience in a laboratory or applied pharmacology setting. Students will work under the supervision of a faculty member and will submit a final written report and oral presentation. Enrollment is limited and requires permission from the Department of Pharmacology and Toxicology. It is the student's responsibility to secure a placement with an approved supervisor before the course begins (a list of potential supervisors can be obtained from the Department of Pharmacology and Toxicology). Students will be registered in the course once their ballot form (obtained from the Department of Pharmacology and Toxicology) is signed by an approved supervisor and approved by the Department of Pharmacology and Toxicology. Students are expected to spend approximately 200 hours towards this project but this will be project/supervisor dependent. Not eligible for CR/NCR option.

Prerequisite: PCL201H1, PCL302H1, PCL366H1/ PCL367H1/ PCL368H1, STA288H1/ PCL376H1, and permission of Department

Exclusion: PCL474Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PCL475H1 - Neuropsychopharmacology 1

Previous Course Number: PCL475Y1

Hours: 36L/12T

Students will explore the major CNS neurological syndromes, examples include pain, epilepsy, the sleep-wake cycle and relate neurological abnormalities. Lectures will discuss major classes of drugs used to mitigate and treat these disorder, their mechanisms of action, clinical use and unwanted effects. This course was previously offered as PCL475Y1.

Prerequisite: Completion of at least 9.0 FCE

Exclusion: PCL475Y1; PSY396H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PCL476H1 - Neuropsychopharmacology 2

Previous Course Number: PCL475Y1

Hours: 36L/12T

Students will explore the major CNS neurological syndromes which may include anxiety, schizophrenia and depression/mania and their relate neurological abnormalities. Lectures will discuss major classes of drugs used to mitigate and treat these disorders, their mechanisms of action, clinical use and unwanted effects.

Prerequisite: Completion of at least 9.0 FCE

Exclusion: PCL475Y1; PSY396H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PCL477H1 - The DNA Damage Response in Pharmacology and Toxicology

Hours: 24L

Many anticancer drugs and environmental agents exert their cytotoxic effects through DNA damage. This course explores specific pharmacological and toxicological agents that damage DNA and discusses how mammalian cells respond to this DNA damage.

Prerequisite: BCH210H1/ BCH242Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PCL483H1 - Interdisciplinary Toxicology

Previous Course Number: PCL473Y1

Hours: 24L

This course explores several contemporary topics in biomedical and environmental toxicology with emphasis on how chemicals affect human health. Lectures cover principles of toxicology, the mechanisms of toxicity of a wide variety of toxic agents and the associated toxicities, methodologies used to examine chemical toxicities, risk assessment, and the applications of toxicology.

Prerequisite: (PCL201H1, PCL302H1, PCL362H1) or Permission of the Course Coordinator

Exclusion: PCL473Y1

Recommended Preparation: BCH210H1 + BCH311H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PCL481H1 - The Molecular and Biochemical Basis of Toxicology

Hours: 24L

The biochemical principles and molecular mechanisms underlying the toxicity of drugs and foreign agents. The sequence of events at the molecular level leading to impairment of cell function and the factors which determine and affect toxicity.

Prerequisite: PCL302H1

Recommended Preparation: PCL362H1, BCH210H1/ BCH242Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PCL484H1 - Seminars in Pharmacokinetics and Toxicokinetics

Hours: 24S

Each week a scientist affiliated with the Department of Pharmacology and Toxicology will discuss the application of pharmacokinetic and/or toxicokinetic principles to their research. This area of study plays an important role in clinical medicine and drug development

Prerequisite: PCL201H1

Recommended Preparation: PCL302H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PCL482H1 - Biomedical Toxicology

Previous Course Number: PCL473Y1

Hours: 24L

This course explores several contemporary topics in biomedical toxicology with emphasis on how chemicals affect human health. Lectures cover principles of toxicology, the mechanisms of toxicity of a wide variety of toxic agents and the associated toxicities, methodologies used to examine chemical toxicities, risk assessment, and the applications of toxicology.

Prerequisite: (PCL201H1, PCL302H1, PCL362H1) or Permission of the Course Coordinator

Exclusion: PCL473Y1

Recommended Preparation: BCH210H1 + BCH311H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PCL486H1 - Pharmacology of Cancer Signaling

Hours: 24L

This course will expand on both classical and cutting edge pharmacological strategies proposed to mitigate the consequences of altered signal transduction in cancer. Students will have the opportunity to develop knowledge on these molecular events and how they can be targeted to improve clinical outcomes. Students will integrate lecture material with assigned readings and assignments.

Prerequisite: PCL302H1

Recommended Preparation: BCH210H1/ BCH242Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PCL490H1 - Advanced Topics in Pharmacology and Toxicology

Hours: 12L/12S

An opportunity to expand on innovative and unique topics in Pharmacology and Toxicology that are not already extensively addressed. The course will reveal the dynamic nature of the field and the diverse interests of our faculty. Students will be introduced to leading edge topics and research within the discipline of Pharmacology and Toxicology.

Prerequisite: PCL302H1, and one of STA288H1/ STA220H1/ PCL376H1

Recommended Preparation: PCL469H1/ PCL470H1/ PCL482H1/ PCL483H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

Philosophy

Faculty List

University Professors Emeriti

I. Hacking, OC, MA, Ph D, FRSC (V)
 B.C. Inwood, MA, PhD, FRSC
 L.W. Sumner, MA, Ph D, FRSC

Professors Emeriti

D.P.H. Allen, MA, B Phil, D Phil (T)
 J.R. Brown, MA, Ph D, FRSC
 F.A. Cunningham, MA, Ph D, FRSC
 R.B. DeSousa, BA, Ph D, FRSC
 D. Goldstick, BA, D Phil
 P.W. Gooch, MA, Ph D (V)
 W.C. Graham, MA, Ph D (UTSC)
 C.M.T. Hanly, BA, MS L, D Phil
 W.R.C. Harvey, MA, LL B, Ph D (V)
 H.G. Herzberger, AM, Ph D
 D.S. Hutchinson, BA, B Phil, D Phil (T)
 R.A. Imlay, MA, Ph D (U)
 E.J. Kremer, AB, Ph D (SM)
 I. Leman Stefanovic MA, Ph D
 K.P. Morgan, MA, M Ed, Ph D (N)
 J.C. Morrison, MA, Ph D (SM)
 M. Morrison, MA, Ph D, FRSC (T)
 G.A. Nicholson, MA, BD, Ph D (T)
 T.M. Robinson, BA, BLitt, DLitt
 J.G. Slater, MA, Ph D (W)
 J.T. Stevenson, MA (U)
 M.T. Thornton, B Phil, MA, Ph D (V)
 R. E. Tully, BA, D Phil (SM)
 A.I.F. Urquhart, MA, Ph D
 J.M. Vertin, MA, STL, Ph D (SM)
 F.F. Wilson, B Sc, MA, Ph D, FRSC (U)

Associate Professors Emeriti

B. Brown, BA, MA, Ph D (SM)
 R. V. Friedman, BA, MA, Ph D (SM)
 J. Hartley B Ph, BA, MA, Ph D (SM)
 P. Hess, BA, AM, Ph D (V)
 L. Lange, MA, Ph D (UTSC)
 A. Wingell, BA, MA, MSL, Ph D (SM)

Professor and Chair

M. Pickavé, MA, Ph D

Associate Professor and Associate Chair (Graduate)

G.S. Rattan, B Sc, Ph D (UTM)

Professor and Associate Chair (Undergraduate Studies)

P. King, BA, Ph D

University Professors

D. Dyzenhaus, BA, LLB, D Phil, FRSC
 T.M. Hurka, BA, B Phil, D Phil, FRSC
 C. Misak, MA, D Phil, FRSC
 A. Ripstein, MA, Ph D, FRSC

Professors

D.C. Ainslie, B Sc, MA, Ph D (U)
 J. Allen, Ph D (UTM)
 R. Barney, BA, Ph D
 D.L. Black, MA, Ph D (SM)
 R. Comay, MA, Ph D (V)
 I. Dickie, BA (Hons), B Phil, D Phil
 L. Gerson, AM, Ph D, FRSC (SM)

R.B. Gibbs, MA, Ph D (U)
 W. Goetschel, Lic Phil, Ph D
 J.M. Heath, MA, Ph D, FRSC (U)
 B. Hellie, BA, Ph D (UTSC)
 B.D. Katz, MA, Ph D (UTM)
 M. Kingwell, BA, M Litt, Ph D (T)
 P. Kremer, BSc, Ph D (UTSC)
 M. Matthen, B Sc, MA, Ph D (UTM)
 A. Mullin, Ph D (UTM)
 J. Nagel, MA, Ph D (UTM)
 D. Novak, MHL, Ph D (U)
 D. Raffman, BA, Ph D (UTM)
 M. Rozemond, Kand., Ph D (UTM)
 W.E. Seager, MA, Ph D (UTSC)
 S. Tenenbaum, BA, MA, Ph D (UTM)
 D. Walsh, BSc, Ph D, BA, M Phil, Ph D
 J. Wilson, BA, Ph D (UTSC)
 B. Yi, MA, Ph D (UTM)

Associate Professors

M. Caie, BA, Ph D
 P. Clark, BA, Ph D (UTM)
 F. Huber, MA, Ph D
 S.A. Sedivy, BA, Ph D (UTSC)
 A. Sepielli, AB, JD, Ph D (UTM)
 N. Stang, AB, Ph D
 J. Weisberg, BA, Ph D (UTM)
 S.R. Moreau, BA, B Phil, Ph D, JD
 K. Hübner, BA, MA, Ph D (UTSC)

Assistant Professors

D. Barnett, BA, Ph D
 N. Charlow, BA, MA, Ph D (UTM)
 B. De Kenessey BA, Ph D
 A. Franklin-Hall, BA, Ph D
 J. Gelber BA, Ph D
 W. Hussain, AB, Ph D (UTSC)
 M. Miller, BA, MA, Ph D
 J. Nefsky, BA, Ph D (UTSC)
 C. Pfeiffer, MA, D. Phil (UTSC)
 S. Swarup, BA, MA, Ph D
 O. Ware BA, Ph D (UTM)

Lecturer

J. John, BA, Ph D
 F. Gagliardi B.Phil, PhD, MFA
 J.A. Thomson BA, PhD

Introduction

The Greek words from which "Philosophy" is formed mean "love of wisdom" and all great philosophers have been moved by an intense devotion to the search for wisdom. Philosophy takes no belief for granted, but examines the grounds for those beliefs which make up people's fundamental views of the world. Philosophers think about these beliefs as thoroughly and systematically as possible, using methods of conceptual analysis, reasoning, and detailed description.

What distinguishes Philosophy from the physical and social sciences is its concern not only with the truths which are discovered by means of specialized methods of investigation, but with the implications that such discoveries have for human beings in their relations with one another and the world. Moreover, Philosophy has an abiding interest in those basic assumptions about the nature of the physical and social world, and about the nature of enquiry itself, which underlie our scientific and practical endeavours.

The Philosophy Department at the University of Toronto offers courses in most of the main periods and areas of Philosophy, which are listed here with a typical question or the name of one or two central figures: Ancient Philosophy (Plato, Aristotle); Mediaeval Philosophy (Augustine, Aquinas); Early Modern Philosophy (Descartes, Hume, Kant); Nineteenth-Century Philosophy (Hegel, Mill, Marx); Asian Philosophy (Chinese Philosophy) Continental Philosophy and Phenomenology (Husserl, Heidegger, Sartre); Analytic Philosophy (Quine, Russell, Wittgenstein); Epistemology and Metaphysics (What can be known? What is the ultimate nature of reality?); Moral Philosophy (How should we argue rationally about right and wrong?); Philosophy of Mind (What is mind? Is there free will?); Logic and Philosophy of Mathematics (What is sound reasoning? Do numbers exist?); Philosophy of Language (What is the meaning of "meaning"?); Philosophy of Natural Science (What is scientific method?); Social and Political Philosophy (What justifies the state?); Aesthetics (What is art? Must it be beautiful?). In addition, the Department offers Seminars (numbered PHL400H1 - PHL488H1), Individual Studies courses (numbered PHL495H1 - PHL499H1) and the Socrates Project (PHL489Y1).

Counselling is available in the main departmental office, 170 St. George St., 4th floor. In particular, students may wish to get advice about how best to combine philosophy programs with other majors or minors, given that various co-specialist programs with other disciplines have been discontinued. In addition, the Department publishes an annual Bulletin. It contains full and up-to-date information on programs and courses, including names of instructors and descriptions of particular course sections. The Bulletin is published in the summer (for the succeeding year) and is available on the Department's website and at 170 St. George Street.

Undergraduate Coordinator:

Prof. Peter King, 170 St. George Street, Room 521 (416-978-3314), undergrad.phil@utoronto.ca

Undergraduate Counsellor:

Mr. Eric Correia, 170 St. George Street, Room 403 (416-978-3314), eric.correia@utoronto.ca

Website:

<http://philosophy.utoronto.ca>

Philosophy Programs

Bioethics Specialist (Arts Program) - ASSPE1001

Completion Requirements:

10 full courses or their equivalent including at least 4.0 FCEs at the 300+ level of which 1.0 FCE must be at the 400 level

First year (recommended):

PHL100Y1/ PHL101Y1
BIO120H1, BIO220H1

Higher Years (required):

1. PHL281H1, PHL271H1, PHL275H1
2. PHL245H1/ PHL246H1
3. 1.5 FCEs from Group 1 (Advanced Bioethics)
4. 1.0 FCE from Group 2 (Value Theory)
5. 0.5 FCEs from Group 3 (Metaphysics and Epistemology).

6. Additional philosophy courses, to a total of 10 FCEs, or else additional philosophy courses to a total of 9.0 FCEs and 1.0 FCE from Group 4 (Interdisciplinary)

Philosophy Specialist (Arts Program) - ASSPE0231

Completion Requirements:

(10 full courses or their equivalent, including PHL100Y1/ PHL101Y1 if taken)

First year (recommended):

PHL100Y1/ PHL101Y1

Higher Years (required):

1. 2.0 FCEs from the following: PHL200Y1/ PHL205H1, PHL206H1/ PHL210Y1
2. 1.0 FCE from the following: PHL217H1/ PHL232H1/ PHL233H1/ PHL240H1
3. PHL265H1/ PHL275H1
4. PHL245H1/ PHL246H1
5. Additional philosophy courses, to a total of 10 FCEs, including 4.0 PHL FCEs at the 300+ level, of which 1.0 FCE must be at the 400 level.

Physics and Philosophy Specialist (Science Program) - ASSPE2584

Description:

Physics has deep historical roots in natural philosophy and many aspects of contemporary Physics raise profound philosophical questions about the nature of reality. The interdisciplinary Physics and Philosophy Program allows the student to engage with both Physics and Philosophy at their deepest levels, and to more fully explore the connections between them.

Consult Associate Chair (Undergraduate Studies), Department of Physics or Philosophy.

Completion Requirements:

(15.0 full courses or their equivalent (FCE), including at least 1.5 FCE at the 400 level)

First Year: (2.5 FCE)

(MAT135H1, MAT136H1/ MAT137Y1/ MAT157Y1, MAT223H1/ MAT240H1, PHY131H1/ PHY151H1, PHY132H1/ PHY152H1 (The courses MAT137Y1, MAT223H1, PHY151H1, PHY152H1 are recommended.)

First or Second Year: (1.5 FCE)

1.5 FCE of: PHL232H1/ PHL233H1/ PHL240H1/ PHL245H1/ HPS250H1 (PHL245H1 may only be counted here if MAT157Y1 is not taken)

Second Year: (3.0 FCE)

MAT237Y1/ MAT257Y1/ MAT235Y1, MAT244H1/ MAT267H1, PHY250H1, PHY254H1, PHY256H1 (The courses MAT237Y1, MAT244H1 are recommended.)

Third Year: (2.0 FCE)

MAT334H1/ MAT354H1, PHY252H1, (PHY350H1/ PHY354H1), PHY356H1

Fourth Year: (1.0 FCE)

PHY456H1, PHY491H1

Any Year: (5.0 FCE)

(PHL345H1/ PHL347H1, PHL355H1, PHL356H1, (PHL415H1/ PHL482H1), plus 1.0 FCE of (PHL325H1/ PHL331H1/ PHL332H1/ PHL346H1/ PHL357H1) plus 2.0 FCE additional PHL courses, at least 0.5 FCE of which must be from the Philosophy Value Theory Course Group (The courses PHL265H1, PHL275H1 are recommended.)

Bioethics Major (Arts Program) - ASMAJ1001

Completion Requirements:

7 full courses or their equivalent including at least 2.0 FCEs at the 300+ level of which 0.5 FCE must be at 400 level.

First year (recommended):

PHL100Y1/ PHL101Y1
BIO120H1, BIO220H1

Higher Years (required):

1. PHL281H1
2. PHL245H1/ PHL246H1
3. 1.0 FCE from Group 1 (Advanced Bioethics)
4. 1.5 FCEs from PHL271H1 / PHL275H1 / Group 2 (Value Theory)
5. 0.5 FCE from Group 3 (Metaphysics and Epistemology).
6. Additional philosophy courses, to a total of 7.0 FCEs, or else additional philosophy courses to a total of 6.5 FCEs, plus 0.5 FCE from Group 4 (Interdisciplinary).

Philosophy Major (Arts Program) - ASMAJ0231

Completion Requirements:

(7 full courses or their equivalent, including PHL100Y1/ PHL101Y1 if taken)

First year (recommended):

PHL100Y1/ PHL101Y1

Higher Years (required):

1. 1.0 FCE from the following: PHL200Y1/ (PHL205H1, PHL206H1)/ PHL210Y1
2. 1.0 FCE from the following: PHL217H1/ PHL232H1/ PHL233H1/ PHL240H1
3. PHL265H1/ PHL275H1
4. PHL245H1/ PHL246H1

5. Additional philosophy courses, to a total of 7.0 FCEs, including 2.0 PHL FCEs at the 300+ level, of which 0.5 FCE must be at the 400 level.

Bioethics Minor (Arts Program) - ASMIN1001

Completion Requirements:

(4 full courses or their equivalent including at least 1.0 FCE at 300+ level)

1. PHL281H1
2. PHL245H1/ PHL246H1
3. 0.5 FCE from Group 1 (Advanced Bioethics)
4. 1.0 FCE from PHL271H1 / PHL275H1 / Group 2 (Value Theory)
5. Additional philosophy courses to a total of 4.0 FCEs.

Philosophy Minor (Arts Program) - ASMIN0231

Completion Requirements:

(4 full courses or their equivalent, including PHL100Y1/ PHL101Y1 if taken)

1. 1.0 FCE from the following: PHL200Y1/ PHL205H1/ PHL206H1/ PHL210Y1/ PHL217H1/ PHL232H1/ PHL233H1/ PHL240H1/ PHL265H1/ PHL275H1
2. Additional philosophy courses, to a total of 4.0 FCE's, including 1.0 FCE at the 300+ level.

Mathematics and Philosophy Specialist (Science Program) - ASSPE1361

Completion Requirements:

Consult the Undergraduate Coordinators of the Departments of Mathematics and Philosophy.

(12.0 FCE including at least 1.0 FCE at the 400-level)

First Year:

MAT157Y1, MAT240H1, MAT247H1; PHL232H1 or PHL233H1

Higher Years:

1. MAT257Y1, MAT327H1, MAT347Y1, MAT354H1/ MAT357H1
2. PHL345H1, MAT309H1/ PHL348H1
3. Four of: PHL325H1, PHL331H1, PHL332H1, PHL346H1, PHL347H1, PHL349H1, PHL355H1, PHL451H1, PHL480H1
4. 1.0 FCE from PHL200Y1/ PHL205H1/ PHL206H1/ PHL210Y1
5. PHL265H1/ PHL275H1
6. 2.0 FCE of PHL/APM/MAT at the 300+ level, to a total of 12.0 FCE.

NOTE: Students with a CGPA of 3.5 and above may apply to have graduate level math courses count towards their 400-level course requirements.

Course Groups

Group 1 - Advanced Bioethics

- [PHL380H1 Global Bioethics](#)
- [PHL381H1 Ethics and Medical Research](#)
- [PHL382H1 Ethics: Death and Dying](#)
- [PHL383H1 Ethics and Mental Health](#)
- [PHL384H1 Ethics, Genetics and Reproduction](#)
- [PHL440H1 Clinical Bioethics](#)
- [PHL470H1 Advanced Bioethics](#)

Group 2 - Value Theory

- [PHL265H1 Introduction to Political Philosophy](#)
- [PHL295H1 Business Ethics](#)
- [PHL365H1 Political Philosophy](#)
- [PHL366H1 Topics in Political Philosophy](#)
- [PHL370H1 Issues in Philosophy of Law](#)
- [PHL375H1 Ethics](#)
- [PHL407H1 Seminar in Ethics](#)
- [PHL412H1 Seminar in Political Philosophy](#)
- [PHL413H1 Seminar in Applied Ethics](#)
- [PHL483H1 Advanced Topics in Social and Political Philosophy](#)

Group 3 - Metaphysics and Epistemology

- [PHL232H1 Knowledge and Reality](#)
- [PHL233H1 Philosophy for Scientists](#)
- [PHL240H1 Persons, Minds and Bodies](#)
- [PHL331H1 Metaphysics](#)
- [PHL332H1 Epistemology](#)
- [PHL340H1 Issues in Philosophy of Mind](#)
- [PHL341H1 Freedom, Responsibility, and Human Action](#)
- [PHL342H1 Minds and Machines](#)
- [PHL355H1 Philosophy of Natural Science](#)
- [PHL357H1 Philosophy of Biology](#)
- [HPS250H1 Introductory Philosophy of Science](#)
- HPS350H1

Group 4 - Interdisciplinary

- [ANT348H1 Medical Anthropology: Social- Cultural Perspectives](#)
- [GER338H1 Narratives of the Body \(E\)](#)
- [GGR340H1 Health Geography](#)
- [HIS423H1 Social History of Medicine in the 19th& 20th Centuries](#)
- [HIS489H1 The History of Psychiatry and Psychiatric Illness](#)
- [HMB201H1 Introduction to Fundamental Genetics and its Applications](#)
- [HMB202H1 Introduction to Health and Disease](#)
- [HPS318H1 History of Medicine I](#)
- [HPS319H1 History of Medicine II](#)
- [JHE353H1 History of Evolutionary Biology](#)
- [SOC243H1 Sociology of Health and Illness](#)
- [SOC309H1 HIV and AIDS: Social Policies and Programs](#)

- [SOC363H1 Sociology of Mental Health and Mental Disorders](#)
- [SOC427H1 Families and Health](#)
- [WGS367H1 The Politics of Gender and Health](#)

Environmental Ethics (Arts Program): see School of the Environment

Regarding Philosophy Courses

The following courses do not have PHL prefixes but may still be counted towards a philosophy program. Students should consult the primary listings for their course descriptions: COG250Y1, COG401H1, HPS250H1, HPS350H1, TRN200Y1.

300-SERIES COURSES

All 300-series courses have a prerequisite of three half credits (or equivalent) in philosophy, with the exception of PHL345H1 - PHL349H1 and PHL356H1. There is also a general prerequisite of 7.5 courses (in any field). Only specific courses required or recommended are listed below. Students who do not meet the prerequisite for a particular course but believe that they have adequate preparation must obtain the permission of the instructor to gain entry to the course.

400-SERIES COURSES

1. The general prerequisite for ALL 400-level courses is eight half-courses in philosophy. Most courses also have specific prerequisites. Students who do not meet the prerequisite for a particular course but believe that they have adequate preparation must obtain the permission of the instructor in order to gain entry to the course.
2. PHL400H1-PHL451H1 are undergraduate-level courses. PHL470H1-PHL488H1 are cross-listed graduate courses, available to undergraduates as well. Enrolment in cross-listed graduate courses requires the permission of the instructor and the Department in addition to the completion of the prerequisites indicated below.
3. Students in 400-level courses must attend the first class, or contact the instructor to explain their absence. Failure to do so may result in removal from the course.
4. Individual Studies courses (PHL495H1/PHL496H1/PHL497H1), which involve directed study and research, are available to advanced students. Arrangements must be made with a faculty supervisor, and approval of the Undergraduate Coordinator obtained before registration.
5. No more than one individual studies credit can be counted towards any philosophy program and normally, no more than one individual studies half credit can be counted towards the 400-level course requirement for any Specialist or Combined Specialist Philosophy program.
6. The Socrates Project (PHL489Y1) is a special enrolment course. If you are interested in this course, please contact the department.

Philosophy Courses

PHL100Y1 - Introduction to Philosophy (Historical)

Hours: 48L/24T

An introduction to the central branches of philosophy, such as logic, theory of knowledge, metaphysics, ethics, and political philosophy. Writings from the central figures in the history of Western and non-Western philosophy, as well as contemporary philosophers, may be considered.

Exclusion: PHL101Y1, PHL201H1, PHLA10H3, PHLA11H3, PHL101H5, PHL102H5, PHL105Y5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL196H1 - Multiculturalism, Philosophy and Film

Hours: 48S

This course will critically examine the role of cinema in the construction and exploration of the figure of the racial, ethnic, cultural and social "other". Our topics will include (1) racial, ethnic and cultural identity and its reciprocal relationship with cinema, (2) the notion of realism in relation to the representation of race and ethnicity in film, (3) the cinematic representation of inter-ethnic and intra-ethnic conflict, (4) the position of cinema in the debate between assimilation and multiculturalism, and (5) the ways in which cinema can help illuminate a cluster of relevant notions in political philosophy including citizenship, communitarianism, cosmopolitanism, and the relation between individual rights and group rights. Films will be screened in class and discussed against the background of focused critical readings. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

PHL101Y1 - Introduction to Philosophy (Thematic)

Hours: 48L/24T

An introduction to some of the central problems of philosophy. Examples of questions that may be considered include: What is sound reasoning? What can we know? What is ultimately real? Is morality rational? Do humans have free will? Is there a God? What is consciousness? Should we fear death? What is justice?

Exclusion: PHL100Y1, PHL201H1, PHLA10H3, PHLA11H3, PHL101H5, PHL102H5, PHL105Y5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL197H1 - Introduction to Philosophical Anthropology

Hours: 24S

Philosophical anthropology is the subject that poses the most fundamental questions about human nature and the human condition. Taking as its point of departure the most up-to-date scientific understanding of human nature, from anthropology broadly conceived, it goes on to inquire, in a disciplined fashion, about the implications of these views for perennial philosophical questions about human rationality, morality, the possibility of progress, the existence of god and the meaning of life. This course will examine one or more topics in this domain, as a more general introduction to the discipline. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL198H1 - Philosophy of Time

Hours: 24S

The passage of time is a fundamental aspect of human experience: we are born, we grow older, and eventually we pass away. During our lives our experience of the past, present, and future are distinct. We can influence the world in the present and the future, but it does not seem that we can influence the past. We have hopes about the future, memories of the past, and experiences of the present. In this seminar we will explore insights from contemporary philosophy and physics concerning the nature of the passage of time. Questions to be considered may include the following: What does it mean to say that time passes? Does time really pass at all? How do we experience time? Why can we influence the future but not the past? Is it possible to travel backward in time? Is time even real? What is time? Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHL199H1 - Trump, the Rule of Law and the Rise of Illiberal Democracy

Hours: 24S

This seminar will examine the important idea in our culture of the rule of law - the idea that there is a virtue to having what the state can do to its subjects governed by law. It will investigate concrete examples of what happens when the rule of law is put under stress, as is arguably the case under the Trump administration. It will also examine the way in which these developments are related to the rise of what gets called 'illiberal democracy', a notion celebrated by Victor Orban in Hungary, and by other Central and Eastern European politicians. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

PHL200Y1 - Ancient Philosophy

Hours: 72L

Central texts of the pre-Socratics, Plato, Aristotle, and post-Aristotelian philosophy.

Exclusion: PHLB31H3, PHL202H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL201H1 - Introductory Philosophy

Hours: 36L

An introduction to philosophy focusing on the connections among its main branches: logic, theory of knowledge, metaphysics, and ethics. This course is intended for those with little or no philosophy background but who have completed four FCEs in any subject.

Prerequisite: Four FCEs in any subject

Exclusion: PHL100Y1, PHL101Y1, or more than 1.0 PHL course

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL205H1 - Early Medieval Philosophy

Hours: 36L

A study of issues such as the relations of reason and faith, the being and the nature of God, and the problem of universals, in the writings of such philosophers as Augustine, Boethius, Anselm and Abelard.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL206H1 - Later Medieval Philosophy

Hours: 36L

A study of issues such as the relations of reason and faith, the being and the nature of God, and the structure of the universe, in the writings of such philosophers as Aquinas and Ockham.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL210Y1 - 17th-and 18th-Century Philosophy

Hours: 72L

Central texts of such philosophers as Hobbes, Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, and Kant.

Exclusion: PHLB35H3, PHL210Y5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL217H1 - Introduction to Continental Philosophy

Hours: 36L

An introduction to some of the post-Hegelian thinkers who inspired the various philosophical movements broadly referred to as continental, such as phenomenology, existentialism, deconstruction, and post-modernism. Questions include the will, faith, death, existence, history and politics, rationality and its limits, encountering an other. Authors studied may include: Kierkegaard, Schopenhauer, Nietzsche, Marx, Freud, Heidegger, Sartre.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL232H1 - Knowledge and Reality

Hours: 36L

An introduction to issues in the fundamental branches of philosophy: metaphysics, which considers the overall framework of reality; epistemology, or the theory of knowledge; and related problems in the philosophy of science. Topics in metaphysics may include: mind and body, causality, space and time, God, freedom and determinism; topics in epistemology may include perception, evidence, belief, truth, skepticism.

Exclusion: PHLB20H3, PHLB60H3

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL233H1 - Philosophy for Scientists

Hours: 24L/12T

An introduction to philosophy tailored for students with backgrounds in mathematics and science. Topics include causation, explanation, the relation between scientific and mathematical theories and reality, the role of mathematics in scientific theories, the relevance of scientific and mathematical discoveries to 'big' traditional philosophical questions such as the nature of consciousness, whether we have free will, and the meaning of life.

Corequisite: 1.0 FCE in Mathematics, Physics, Chemistry, Engineering, or Computer Science

Recommended Preparation: Background in science and/or mathematics will be presupposed.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL235H1 - Philosophy of Religion

Hours: 36L

Some central issues in the philosophy of religion such as the nature of religion and religious faith, arguments for the existence of God, the problem of evil, varieties of religious experience, religion and human autonomy.

Exclusion: PHL235H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL237H1 - History of Chinese Philosophy

Hours: 36L

An historical and systematic introduction to the main phases of Chinese philosophical development, including Confucianism, Taoism, Buddhism, and Neo-Confucianism; the challenge of Western thought and the development of modern Chinese Philosophy.

Exclusion: EAS241H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL240H1 - Persons, Minds and Bodies

Hours: 36L

Consciousness and its relation to the body; personal identity and survival; knowledge of other minds; psychological events and behaviour.

Exclusion: PHLB81H3

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL243H1 - Philosophy of Human Sexuality

Hours: 36L

Philosophical issues about sex and sexual identity in the light of biological, psychological and ethical theories of sex and gender; the concept of gender; male and female sex roles; perverse sex; sexual liberation; love and sexuality.

Exclusion: PHLB12H3, PHL243H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL244H1 - Human Nature

Hours: 36L

Aspects of human nature, e.g., emotion, instincts, motivation. Theories of human nature, e.g., behaviourism, psychoanalysis.

Exclusion: PHLB91H3, PHL244H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL256H1 - Philosophy in the Age of the Internet

Hours: 36L

The internet and digital technology have had a transformative impact on the economy, society and politics, art and culture, and everyday life. This course explores the fascinating, often urgent, new philosophical questions raised by these changes as well as the way they invite a rethinking of many older philosophical questions. Topics to be addressed may include artificial intelligence and the singularity; identity through social media; digital ownership and privacy; and collective/distributed knowledge its relation to information, among others.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL245H1 - Modern Symbolic Logic

Hours: 36L

The application of symbolic techniques to the assessment of arguments. Propositional calculus and quantification theory. Logical concepts, techniques of natural deduction.

Exclusion: PHLB50H3, PHL245H5

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL265H1 - Introduction to Political Philosophy

Hours: 36L

An introduction to central issues in political philosophy, e.g., political and social justice, liberty and the criteria of good government. The writings of contemporary political philosophers, as well as major figures in the history of philosophy, may be considered.

Exclusion: PHLB17H3, PHL265H5

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

PHL268H1 - Philosophy and Social Criticism

Hours: 36L

Is the objective of philosophy to understand and interpret the world, or to change it? A study of theorists who have taken philosophy to be a tool for social criticism. Topics studied may include feminism, critical race theory, anti-consumerism, the critique of mass society, and conservative cultural criticism.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

PHL247H1 - Critical Reasoning

Hours: 36L

The area of informal logic - the logic of ordinary language, usually non-deductive. Criteria for the critical assessment of arguments as strong or merely persuasive. Different types of arguments and techniques of refutation; their use and abuse.

Exclusion: TRN200Y1, PHL145H5, PHL247H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL271H1 - Law and Morality**Hours:** 36L

Justifications for the legal enforcement of morality; particular ethical issues arising out of the intersection of law and morality, such as punishment, freedom of expression and censorship, autonomy and paternalism, constitutional protection of human rights.

Exclusion: PHLB11H3, PHL271H5**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**PHL285H1 - Aesthetics****Hours:** 36L

An historical and systematic introduction to the main questions in the philosophy of art and beauty from Plato to the present. These include the relation between art and beauty, the nature of aesthetic experience, definitions and theories of art, the criteria of excellence in the arts, and the function of art criticism.

Exclusion: PHLB03H3, PHL285H5**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**PHL273H1 - Environmental Ethics****Hours:** 36L

A study of environmental issues raising questions of concern to moral and political philosophers, such as property rights, responsibility for future generations, and the interaction of human beings with the rest of nature. Typical issues: sustainable development, alternative energy, the preservation of wilderness areas, animal rights.

Exclusion: PHLB02H3, PHL273H5**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**PHL295H1 - Business Ethics****Hours:** 36L

Philosophical issues in ethics, social theory, and theories of human nature insofar as they bear on contemporary conduct of business. Issues include: Does business have moral responsibilities? Can social costs and benefits be calculated? Does modern business life determine human nature or the other way around? Do political ideas and institutions such as democracy have a role within business?

Exclusion: PHLB06H3, PHL295H5**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**PHL275H1 - Introduction to Ethics****Hours:** 36L

An introduction to central issues in ethics or moral philosophy, such as the objectivity of values, the nature of moral judgements, rights and duties, the virtues, and consequentialism. Readings may be drawn from a variety of contemporary and historical sources.

Exclusion: PHLB07H3, PHL275H5**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**PHL299Y1 - Research Opportunity Program****Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**PHL301H1 - Early Greek Philosophy****Hours:** 36L

A study of selected Greek philosophers before Plato. Topics may include the Pre-Socratic natural philosophers, Parmenides and the Eleatics, and the so-called sophistic movement.

Prerequisite: PHL200Y1, 7.5 courses (in any field) with at least 1.5 in philosophy**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**PHL281H1 - Bioethics****Hours:** 36L

An introduction to the study of moral and legal problems in medical practice and in biomedical research; the development of health policy. Topics include: concepts of health and disease, patient rights, informed consent, allocation of scarce resources, euthanasia, abortion, genetic and reproductive technologies, human research, and mental health.

Exclusion: PHLB09H3, PHL283H5**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)

PHL302H1 - Ancient Philosophy After Aristotle

Hours: 36L

A study of selected themes in post-Aristotelian philosophy. Topics may include Stoicism, Epicureanism, Neoplatonism, and various forms of scepticism.

Prerequisite: PHL200Y1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL308H1 - Aquinas

Hours: 36L

Philosophical innovations that St. Thomas Aquinas made in the course of constructing a systematic theology: essence and existence, the Five Ways, separate intelligences, the human soul and ethics.

Prerequisite: PHL200Y1/ PHL205H1/ PHL206H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL303H1 - Plato

Hours: 36L

Selected metaphysical, epistemological, and ethical themes in Plato's dialogues.

Prerequisite: PHL200Y1, 7.5 courses (in any field) with at least 1.5 in philosophy

Exclusion: PHL301H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL309H1 - Topics in Medieval Philosophy

Hours: 36L

Study of a major philosophical figure from the medieval period, such as Anselm, Abelard, Bonaventure, Maimonides, Avicenna, Duns Scotus, William of Ockham; or consideration of a central philosophical topic in a variety of medieval authors, for example, universals, individuation, the existence of God, free will and free choice, eternity and creation.

Prerequisite: PHL200Y1/ PHL205H1/ PHL206H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL304H1 - Aristotle

Hours: 36L

Selected anthropological, ethical and metaphysical themes in the works of Aristotle.

Prerequisite: PHL200Y1, 7.5 courses (in any field) with at least 1.5 in philosophy

Exclusion: PHL302H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL310H1 - The Rationalists

Hours: 36L

Central philosophical problems in philosophers such as Descartes, Spinoza, Leibniz, and their contemporaries.

Prerequisite: PHL210Y1, 7.5 courses (in any field) with at least 1.5 in philosophy

Exclusion: PHLC35H3

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL307H1 - Augustine

Hours: 36L

Central themes in St. Augustine's Christian philosophy, such as the problem of evil, the interior way to God, the goal of human life and the meaning of history.

Prerequisite: PHL200Y1/ PHL205H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL311H1 - The Empiricists

Hours: 36L

Central philosophical problems in philosophers such as Locke, Berkeley, Hume, and their contemporaries.

Prerequisite: PHL210Y1, 7.5 courses (in any field) with at least 1.5 in philosophy

Exclusion: PHLC36H3

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL313H1 - Topics in 17th and 18th Century Philosophy

Hours: 36L

Central philosophical problems arising in the early modern period.

Prerequisite: PHL210Y1, 7.5 courses (in any field) with at least 1.5 in philosophy

Exclusion: PHL313H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL317H1 - Marx and Marxism

Hours: 36L

An examination of some of the leading themes in the philosophy of Karl Marx. Developments of Marxist philosophy by later thinkers, and critics of Marxism, may also be considered.

Prerequisite: 7.5 courses (in any field) with at least 1.5 in philosophy

Recommended Preparation: PHL265H1/ POL200Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL314H1 - Kant

Hours: 36L

A systematic study of The Critique of Pure Reason.

Prerequisite: PHL210Y1, 7.5 courses (in any field) with at least 1.5 in philosophy

Exclusion: PHLC37H3, PHL314H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL319H1 - Philosophy and Psychoanalytic Theory

Hours: 36L

A study of the fundamentals of psychoanalytic theory from a philosophical perspective, focusing on the works of Freud and others. Topics include mind (conscious and unconscious), instinctual drives, mechanisms of defence, the structure of personality, civilization, the nature of conscience, and the status of psychoanalysis.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL315H1 - Topics in 19th-Century Philosophy

Hours: 36L

Central philosophical problems arising in the 19th century.

Prerequisite: PHL210Y1, 7.5 courses (in any field) with at least 1.5 in philosophy

Exclusion: PHL315H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL320H1 - Phenomenology

Hours: 36L

Phenomenology is a method used in the analysis of human awareness and subjectivity. It has been applied in the social sciences, in the humanities, and in philosophy. Texts studied are from Husserl and later practitioners, e.g., Heidegger, Sartre, Merleau-Ponty, Gurwitsch, and Ricoeur.

Prerequisite: PHL210Y1/ PHL217H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL316H1 - Hegel

Hours: 36L

An examination of Hegel's project of absolute knowing, its philosophical assumptions, and its implications for history, science and experience.

Prerequisite: PHL210Y1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL321H1 - Heidegger**Hours:** 36L

Some work from the 1920s (either Being and Time or contemporary lectures) and selections from Heideggers later work on poetry, technology, and history are studied. Heidegger's position within phenomenology and within the broader history of thought is charted.

Prerequisite: PHL217H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL325H1 - Early Analytic Philosophy**Hours:** 36L

An examination of some of the classic texts of early analytic philosophy, concentrating on the work of Frege, Russell, and Wittgenstein.

Prerequisite: PHL245H1/ MAT157Y1 and one of PHL232H1/ PHL233H1/ PHL240H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Exclusion: PHLC43H3, PHL325H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL322H1 - Contemporary Continental Philosophy**Hours:** 36L

German and French philosophy after World War II, focusing on such topics as: debates about humanism, hermeneutics, critical theory, the structuralist movement, its successors such as deconstruction. Typical authors: Heidegger, Gadamer, Habermas, Levi-Strauss, Foucault, Derrida.

Prerequisite: PHL217H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Exclusion: PHL324H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL331H1 - Metaphysics**Hours:** 36L

Historical and systematic approaches to topics in metaphysics, such as the nature of reality, substance and existence, necessity and possibility, causality, universals and particulars.

Prerequisite: PHL232H1/ PHL233H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Exclusion: PHLC60H3, PHL332H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL332H1 - Epistemology**Hours:** 36L

Historical and systematic approaches to topics in the theory of knowledge, such as truth, belief, justification, perception, a priori knowledge, certitude, skepticism, other minds.

Prerequisite: PHL232H1/ PHL233H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Exclusion: PHLC20H3, PHL333H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL323H1 - Social and Cultural Theory**Hours:** 36L

A study of philosophical approaches to understanding various aspects of contemporary culture and/or society. Topics may include theories of modernity, capitalism and consumerism, architecture and design, cultural pluralism, globalization, media and internet.

Prerequisite: 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

PHL335H1 - Issues in Philosophy of Religion**Hours:** 36L

Some specific problem(s) in the philosophy of religion, such as the relationship of religious faith and religious belief, the ontological argument for the existence of God, theories about divine transcendence, the philosophical presuppositions of religious doctrines, the modern critique of religion.

Prerequisite: 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL338H1 - Jewish Philosophy**Hours:** 36L

A selection of texts and issues in Jewish philosophy, for example, Maimonides' Guide of the Perplexed, Bubers The Prophetic Faith, prophecy and revelation, Divine Command and morality, creation and eternity, the historical dimension of Jewish thought.

Prerequisite: 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL336H1 - Islamic Philosophy**Hours:** 36L

An introduction to the major thinkers in classical Islamic philosophy, with emphasis placed on developing a properly philosophical understanding of the issues and arguments. Topics include the existence of God; creation and causality; human nature and knowledge; the nature of ethical obligations; and the constitution of the ideal political state.

Prerequisite: PHL200Y1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL339H1 - Indian Philosophy**Hours:** 3L

An introduction to the main schools of Indian philosophical thought (Nyaya, Vaisesika, Samkhya, Yoga, Purva Mimamsa, and Vedanta) and their approach to fundamental problems of philosophy such as epistemology and ethics.

Prerequisite: 7.5 FCE (in any field) with at least 1.5 FCE in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL337H1 - Topics in Chinese Philosophy**Hours:** 36L

An intermediate level treatment of such topics as: human nature; good and evil; the role of emotions; the metaphysical ultimate.

Prerequisite: PHL237H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL340H1 - Issues in Philosophy of Mind**Hours:** 36L

Typical issues include: the mind-brain identity theory; intentionality and the mental; personal identity.

Prerequisite: One of COG250Y1/ PHL240H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Exclusion: PHLC95H3, PHL340H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL341H1 - Freedom, Responsibility, and Human Action**Hours:** 36L

Human action, and the nature of freedom and responsibility in the light of contemporary knowledge concerning the causation of behaviour.

Prerequisite: PHL210Y1/ PHL232H1/ PHL233H1/ PHL240H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Exclusion: PHL341H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL342H1 - Minds and Machines

Hours: 36L

Topics include: philosophical foundations of artificial intelligence theory; the computational theory of the mind; functionalism vs. reductionism; the problems of meaning in the philosophy of mind.

Prerequisite: 7.5 courses (in any field) including COG250Y1 or at least 1.5 in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL346H1 - Philosophy of Mathematics

Hours: 36L

Platonism versus nominalism, the relation between logic and mathematics, implications of Gödel's theorem, formalism and intuitionism.

Prerequisite: PHL245H1/ MAT157Y1 and a full course in PHL/CSC/MAT

Exclusion: PHL346H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL344H1 - Philosophy of Emotions

Hours: 36L

A survey of philosophical topics related to the emotions, from a range of philosophical perspectives. Questions to be considered may include the following: What exactly is an emotion? Are emotions feelings? What emotions are there, and how are they shaped by culture and society? How are emotions related to reason, the brain and the body? What role do -- and should -- the emotions play in decision-making? Can an emotion be morally right or wrong, and what makes it so?

Prerequisite: PHL240H1/ PHL244H1/ PHL342H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL347H1 - Modal Logic

Hours: 36L

Formal study of the concepts of necessity and possibility; modal, propositional and quantificational logic; possible-worlds semantics; the metaphysics of modality.

Prerequisite: PHL245H1/ MAT157Y1 and a full course in PHL/CSC/MAT

Exclusion: PHL347H5

Recommended Preparation: PHL345H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL348H1 - Logic and Computation

Hours: 36L

Topics will include Kurt Gödel's celebrated incompleteness theorems, the technical ideas and methods involved in proving them, their relation to the abstract theory of computation, and their philosophical implications. Are there mathematical truths that cannot be known? Are mathematical concepts such as number and set indeterminate to some extent? Are there limits to what can be modeled formally?

Prerequisite: PHL245H1/ MAT157Y1 and a full course in PHL/CSC/MAT

Exclusion: MAT309H1/ CSC438H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL345H1 - Intermediate Logic

Hours: 36L

A survey of several major areas of formal logic and their application to philosophical problems, applying formal techniques and building directly on PHL245. Possible topics include set theory, non-classical logics, modal logic and metalogic.

Prerequisite: PHL245H1/ MAT157Y1 and a full course in PHL/CSC/MAT

Exclusion: PHLC51H3, PHL345H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL349H1 - Set Theory

Hours: 36L

An introduction to set theory emphasizing its philosophical relevance as a unifying framework for mathematics and logic. Topics examined may include the paradoxes of the 'naïve' conception of sets and their resolution through axiomatization, the construction of natural numbers and real numbers in set theory, equivalents of the axiom of choice, and model theory.

Prerequisite: PHL245H1/ MAT157Y1 and a full course in PHL/CSC/MAT

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL356H1 - Philosophy of Physics

Hours: 36L

Introduction to philosophical issues which arise in modern physics, especially in Relativity and Quantum Mechanics. Topics include: the nature of spacetime, conventionality in geometry, determinism, and the relation between observation and existence.

Prerequisite: One full course in MAT/PHY; two full courses are recommended.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL357H1 - Philosophy of Biology

Hours: 36L

Philosophical issues in the foundations of biology, e.g., the nature of life, evolutionary theory; controversies about natural selection; competing mechanisms, units of selection; the place of teleology in biology; biological puzzles about sex and sexual reproduction; the problem of species; genetics and reductionism; sociobiology; natural and artificial life.

Prerequisite: 7.5 courses (in any field) with at least 1.5 in philosophy. Students with a background in Biology are exempt from the prerequisite of 1.5 courses in Philosophy

Exclusion: PHL357H5

Recommended Preparation: HPS250H1/ PHL246H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL351H1 - Philosophy of Language

Hours: 36L

The nature of language as a system of human communication, theories of meaning and meaningfulness, the relation of language to the world and to the human mind.

Prerequisite: PHL245H1/ MAT157Y1 and one of PHL232H1/ PHL233H1/ PHL240H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Exclusion: PHLC80H3, PHL350H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL355H1 - Philosophy of Natural Science

Hours: 36L

The structure and methods of science: explanation, methodology, realism and instrumentalism.

Prerequisite: 7.5 courses (in any field) with at least 1.5 in philosophy

Exclusion: PHL355H5

Recommended Preparation: A solid background in science or HPS250H1/ PHL246H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL362H1 - Philosophy of History

Hours: 36L

Typical questions include: Has history any meaning? Can there be general theories of history? How are the findings of historians related to the theories of metaphysics and of science? Is history deterministic? Must the historian make value judgements? Is history science or an art? Are there historical forces or spirits of an epoch?

Prerequisite: 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL365H1 - Political Philosophy**Hours:** 36L

A study of some of the central problems of political philosophy, addressed by historical and contemporary political theorists.

Prerequisite: PHL265H1/ POL200Y1, 7.5 courses (in any field) with at least 1.5 in philosophy

Exclusion: PHLC92H3

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL373H1 - Issues in Environmental Ethics**Hours:** 36L

An intermediate-level examination of key issues in environmental philosophy, such as the ethics of animal welfare, duties to future generations, deep ecology, ecofeminism, sustainable development and international justice.

Prerequisite: PHL273H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL366H1 - Topics in Political Philosophy**Hours:** 39L

A focused examination of a selected issue in political philosophy.

Prerequisite: PHL265H1/ POL200Y1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL375H1 - Ethics**Hours:** 36L

An intermediate-level study of selected issues in moral philosophy, or of influential contemporary or historical works in ethical theory.

Prerequisite: PHL275H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Exclusion: PHLC05H3

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL367H1 - Philosophy of Feminism**Hours:** 36L

Selected issues and topics in the philosophy of feminism.

Prerequisite: PHL265H1/ PHL268H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Exclusion: PHLC13H3, PHL367H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL376H1 - Topics in Moral Philosophy**Hours:** 36L

A focused examination of a selected issue in moral philosophy.

Prerequisite: PHL275H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Exclusion: PHLC06H3

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL370H1 - Issues in Philosophy of Law**Hours:** 36L

Major issues in philosophy of law, such as legal positivism and its critics, law and liberalism, feminist critiques of law, punishment and responsibility.

Prerequisite: PHL271H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Exclusion: PHL370H5

Recommended Preparation: PHL265H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL378H1 - War and Morality**Hours:** 36L

Moral and political issues concerning warfare: the theory of the just war, pacifism, moral constraints on the conduct of war, war as an instrument of foreign policy, the strategy of deterrence. Special attention to the implications of nuclear weapons.

Prerequisite: PHL265H1/ PHL275H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL380H1 - Global Bioethics

Hours: 36L

An intermediate-level study of moral problems that arise in international contexts, including issues of special interest in bioethics: moral universalism and relativism; global distributive justice; poverty relief and international aid; international health disparities; globalization and health; HIV/AIDS; intellectual property and access to essential medicines; clinical trials in developing countries; exploitation and the 10/90 gap.

Prerequisite: PHL281H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL383H1 - Ethics and Mental Health

Hours: 36L

An intermediate-level study of moral and legal problems, including the concepts of mental health and illness, mental competence, dangerousness and psychiatric confidentiality, mental institutionalization, involuntary treatment and behaviour control, controversial therapies; legal issues: the Mental Health Act, involuntary commitment, the insanity defence.

Prerequisite: PHL281H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL381H1 - Ethics and Medical Research

Hours: 36L

An intermediate-level study of problems in biomedical and behavioural research with human subjects: informed voluntary consent, risk and benefit, experimental therapy, randomized clinical trials, research codes and legal issues, dependent groups (human embryos, children, the aged, hospital patients, the dying, prisoners, the mentally ill).

Prerequisite: PHL281H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL384H1 - Ethics, Genetics and Reproduction

Hours: 36L

An intermediate-level study of moral and legal problems, including the ontological and moral status of the human embryo and fetus; human newborn, carrier and prenatal genetic screening for genetic defect, genetic therapy; the reproductive technologies (e.g., artificial insemination, in vitro fertilization); recent legislative proposals and judicial decisions.

Prerequisite: PHL281H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL382H1 - Ethics: Death and Dying

Hours: 36L

An intermediate-level study of moral and legal problems, including the philosophical significance of death, the high-tech prolongation of life, definition and determination of death, suicide, active and passive euthanasia, the withholding of treatment, palliative care and the control of pain, living wills; recent judicial decisions.

Prerequisite: PHL281H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL385H1 - Issues in Aesthetics

Hours: 36L

Selected topics in the philosophy of art. Such issues as the following are discussed: whether different arts require different aesthetic principles; relations between art and language; the adequacy of traditional aesthetics to recent developments in the arts; art as an institution.

Prerequisite: 7.5 courses (in any field) with at least 1.5 in philosophy

Exclusion: PHLC03H3

Recommended Preparation: PHL285H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

PHL388H1 - Literature and Philosophy

Hours: 36L

The literary expression of philosophical ideas and the interplay between literature and philosophy. Such philosophical issues as the nature and origin of good and evil in human beings, the nature and extent of human freedom and responsibility, and the diverse forms of linguistic expression. Such authors as Wordsworth, Mill, Dostoyevsky, Tolstoy, Miller, Camus, and Lawrence are studied.

Prerequisite: 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

PHL394H1 - Markets and Morals

Hours: 36L

A study of the standards that can be used to judge the performance of economic systems, e.g., efficiency, fairness, maximization, along with the different institutional mechanisms that can be used to organize economic activity, e.g., markets or hierarchies, public or private ownership.

Prerequisite: One of PHL265H1/ PHL275H1/ POL200Y1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

PHL395H1 - Issues in Business Ethics

Hours: 36L

A focused examination of moral issues that arise in the conduct of business, in areas such as accounting and finance, corporate governance, human resources, environmental conduct, business lobbying and regulatory compliance.

Prerequisite: PHL295H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

PHL398H0 - Research Excursions

Hours: TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

PHL398Y0 - Research Excursions

Hours: TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

PHL399Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

PHL400H1 - Seminar in Ancient/Medieval Philosophy

Hours: 36S

Advanced discussion of the principal figures and themes in ancient and/or medieval philosophy.

Prerequisite: PHL200Y1, 4.0 credits in philosophy

Distribution Requirements: Humanities

PHL401H1 - Seminar in the History of Philosophy

Hours: 36S

Advanced study of some of the principal figures in a particular historical, philosophical tradition.

Prerequisite: PHL200Y1/ PHL210Y1

Distribution Requirements: Humanities

PHL402H1 - Seminar in Early Modern Philosophy

Hours: 36S

Advanced discussion of the principal figures and themes in the philosophy of the 17th and/or 18th centuries.

Prerequisite: PHL210Y1, 4.0 credits in philosophy

Distribution Requirements: Humanities

PHL403H1 - Seminar in 19th-Century Philosophy

Hours: 36S

Advanced discussion of some principal figures and themes in 19th century philosophy.

Prerequisite: PHL210Y1/ PHL217H1/ PHL315H1/ PHL316H1, 4.0 credits in philosophy

Distribution Requirements: Humanities

PHL407H1 - Seminar in Ethics

Hours: 36S

Advanced discussion of issues in moral philosophy, including issues of applied ethics.

Prerequisite: PHL275H1, 4.0 credits in philosophy

Distribution Requirements: Humanities

PHL404H1 - Seminar in Epistemology

Hours: 36S

Typical problems include the nature of knowledge and belief; perception; theories of truth and necessity; skepticism.

Prerequisite: PHL232H1/ PHL233H1, 4.0 credits in philosophy

Distribution Requirements: Humanities

PHL408H1 - Seminar in Philosophy

Hours: 36S

Topics vary but bridge two or more areas or traditions of philosophy.

Prerequisite: 4.0 credits in philosophy

Distribution Requirements: Humanities

PHL405H1 - Seminar in Philosophy of Mind

Hours: 36S

Advanced study of a problem in the philosophy of mind.

Prerequisite: PHL240H1/ PHL342H1/ COG250Y1, 4.0 credits in philosophy

Distribution Requirements: Humanities

PHL409H1 - New Books Seminar

Hours: 36S

Advanced study of key philosophical works published within the last five years.

Prerequisite: 4.0 credits in philosophy

Distribution Requirements: Humanities

PHL406H1 - Seminar in Metaphysics

Hours: 36S

Typical problems include causality and determinism; ontological categories; mind and body; the objectivity of space and time.

Prerequisite: PHL232H1/ PHL233H1, 4.0 credits in philosophy

Distribution Requirements: Humanities

PHL410H1 - Seminar in Continental Philosophy

Hours: 36S

Advanced study of recent philosophical discussions within the continental tradition.

Prerequisite: PHL217H1/ PHL315H1/ PHL316H1/ PHL319H1/ PHL320H1/ PHL321H1/ PHL322H1, 4.0 credits in philosophy

Distribution Requirements: Humanities

PHL411H1 - Seminar in Analytic Philosophy**Hours:** 36S

Advanced study of some topic of current philosophical interest within the analytic tradition.

Prerequisite: PHL245H1/ MAT157Y1 and one of PHL232H1/ PHL233H1/ PHL240H1, 4.0 credits in philosophy

Distribution Requirements: Humanities

PHL415H1 - Seminar in Philosophy of Science**Hours:** 36S

Advanced study of some area or problem in the philosophy of science.

Prerequisite: One of PHL355H1 ♦PHL357H1 or HPS250H1, 4.0 credits in philosophy

Distribution Requirements: Humanities

PHL412H1 - Seminar in Political Philosophy**Hours:** 36S

Advanced study of some topic in social or political philosophy.

Prerequisite: PHL265H1/ PHL271H1, 4.0 credits in philosophy

Distribution Requirements: Humanities

PHL416H1 - Seminar in Philosophy of Law**Hours:** 36S

Advanced discussion of issues in the philosophy of law.

Prerequisite: PHL265H1/ PHL271H1, one of PHL365H1/ PHL370H1/ PHL375H1; 4.0 FCE in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL413H1 - Seminar in Applied Ethics**Hours:** 36S

Advanced study of some topic in an area of applied ethics, including bioethics, environmental ethics, and so on.

Prerequisite: PHL271H1/ PHL273H1/ PHL275H1/ PHL281H1, 4.0 credits in philosophy

Distribution Requirements: Humanities

PHL417H1 - Seminar in History of Analytic Philosophy**Hours:** 36S

Advanced study of a figure or topic from the history of analytic philosophy.

Prerequisite: PHL325H1, 4.0 credits in philosophy

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL414H1 - Seminar in Philosophy of Religion**Hours:** 36S

Advanced study of topics in the philosophy of religion.

Prerequisite: PHL235H1/ PHL335H1, 4.0 credits in philosophy

Distribution Requirements: Humanities

PHL418H1 - Seminar in Indian Philosophy**Hours:** 36S

Advanced study of one or more topics in Indian Philosophy.

Prerequisite: 4.0 FCEs in PHL, or permission of the instructor

Recommended Preparation: PHL339H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PHL440H1 - Clinical Bioethics**Hours:** 36S

Advanced study of topics in bioethics, taught in conjunction with clinical bioethicists associated with the health care organization partners of the University of Toronto Joint Centre for Bioethics.

Prerequisite: PHL281H1, 4.0 credits in philosophy. Limited to students enrolled in the Bioethics Specialist or Bioethics Major programs.

Distribution Requirements: Humanities

PHL451H1 - Seminar in Logic/Philosophy of Language**Hours:** 36S

Advanced study of some topic in logic and/or the philosophy of language.

Prerequisite: PHL245H1/ MAT157Y1 and one of PHL232H1/ PHL233H1/ PHL240H1/ PHL246H1, 4.0 credits in philosophy

Distribution Requirements: Humanities

PHL470H1 - Advanced Bioethics**Hours:** 36S

Philosophical exploration of the foundations and methodology of bioethics. Offered jointly with PHL2145H.

Prerequisite: PHL281H1 and one of PHL380H1/ PHL381H1/ PHL382H1/ PHL383H1/ PHL384H1, and permission of the instructor and Department (by ballot). Limited to students enrolled in the Bioethics Specialist or Bioethics Major programs.

Distribution Requirements: Humanities

PHL471H1 - Advanced Topics in Greek Philosophy**Hours:** 36S

Advanced Topics in Greek Philosophy

Prerequisite: PHL200Y1 and permission of the instructor and Department (by ballot)

Distribution Requirements: Humanities

PHL472H1 - Advanced Topics in Medieval Philosophy**Hours:** 36S

Advanced Topics in Medieval Philosophy

Prerequisite: PHL200Y1/ PHL205H1/ PHL206H1 and permission of the instructor and Department (by ballot)

Distribution Requirements: Humanities

PHL473H1 - Advanced Topics in Modern Philosophy**Hours:** 36S

Advanced Topics in Modern Philosophy

Prerequisite: PHL210Y1 and permission of the instructor and Department (by ballot)

Distribution Requirements: Humanities

PHL475H1 - Advanced Topics in Moral Philosophy**Hours:** 36S

Advanced Topics in Moral Philosophy

Prerequisite: PHL275H1 and permission of the instructor and Department (by ballot)

Distribution Requirements: Humanities

PHL476H1 - Advanced Topics in Epistemology**Hours:** 36S

Advanced Topics in Epistemology

Prerequisite: PHL232H1/ PHL233H1 and permission of the instructor and Department (by ballot)

Distribution Requirements: Humanities

PHL477H1 - Advanced Topics in Metaphysics**Hours:** 36S

Advanced Topics in Metaphysics

Prerequisite: PHL232H1/ PHL233H1 and permission of the instructor and Department (by ballot)**Distribution Requirements:** Humanities**PHL481H1 - Advanced Topics in the Philosophy of Language****Hours:** 36S

Advanced Topics in the Philosophy of Language

Prerequisite: PHL351H1 and permission of the instructor and Department (by ballot)**Distribution Requirements:** Humanities**PHL478H1 - Advanced Topics in Philosophy of Religion****Hours:** 36S

Advanced Topics in Philosophy of Religion

Prerequisite: PHL235H1/ PHL335H1 and permission of the instructor and Department (by ballot)**Distribution Requirements:** Humanities**PHL482H1 - Advanced Topics in Philosophy of Natural Science****Hours:** 36S

Advanced Topics in Philosophy of Natural Science

Prerequisite: One of PHL355H1, PHL357H1 or HPS250H1, and permission of the instructor and Department (by ballot)**Distribution Requirements:** Humanities**PHL479H1 - Advanced Topics in Philosophy of Mind****Hours:** 36S

Advanced Topics in Philosophy of Mind

Prerequisite: COG250Y1/ PHL240H1/ PHL340H1/ PHL341H1/ PHL342H1 and permission of the instructor and Department (by ballot)**Distribution Requirements:** Humanities**PHL483H1 - Advanced Topics in Social and Political Philosophy****Hours:** 36S

Advanced Topics in Social and Political Philosophy

Prerequisite: PHL265H1 and permission of the instructor and Department (by ballot)**Distribution Requirements:** Humanities**PHL480H1 - Advanced Topics in Logic****Hours:** 36S

Advanced Topics in Logic

Prerequisite: Two of PHL344H1 - PHL349H1 and permission of the instructor and Department (by ballot)**Distribution Requirements:** Humanities**PHL484H1 - Advanced Topics in the Philosophy of Law****Hours:** 36S

Advanced Topics in the Philosophy of Law

Prerequisite: PHL271H1 and permission of the instructor and Department (by ballot)**Distribution Requirements:** Humanities

PHL485H1 - Advanced Topics in Aesthetics**Hours:** 36S

Advanced Topics in Aesthetics

Prerequisite: PHL285H1/ PHL385H1 and permission of the instructor and Department (by ballot)**Distribution Requirements:** Humanities**PHL490Y1 - Individual Studies****Hours:** TBA

Individual Studies. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**PHL486H1 - Advanced Topics in Philosophy of History****Hours:** 36S

Advanced Topics in Philosophy of History

Prerequisite: PHL362H1 and permission of the instructor and Department (by ballot)**Distribution Requirements:** Humanities**PHL495H1 - Individual Studies****Hours:** TBA

Individual Studies. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**PHL487H1 - Advanced Topics in Philosophy****Hours:** TBA

Advanced Topics in Philosophy

Prerequisite: Permission of the instructor and Department**Distribution Requirements:** Humanities**PHL496H1 - Individual Studies****Hours:** TBA

Individual Studies. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**PHL488H1 - Advanced Topics in Philosophy****Hours:** TBA

Advanced Topics in Philosophy

Prerequisite: Permission of the instructor and Department**Distribution Requirements:** Humanities**PHL497H1 - Individual Studies****Hours:** TBA

Individual Studies. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**PHL489Y1 - Advanced Topics in Philosophy****Hours:** TBA

Advanced Topics in Philosophy

Prerequisite: Permission of the instructor and Department**Distribution Requirements:** Humanities**PHL498H1 - Individual Studies****Hours:** TBA

Individual Studies. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**PHL499H1 - Individual Studies****Hours:** TBA

Individual Studies. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Physics

Faculty List

University Professor Emeritus

A.E. Litherland, B Sc, Ph D, FRSC, FRS

Professors Emeriti

R.L. Armstrong, MA, Ph D, FRSC
 R. C. Bailey, B.Sc., Ph.D.
 M.J. Bronskill, M Sc, Ph D, FCCPM
 R.F. Code, AM, Ph D (UTM)
 R.C. Desai, B Sc, Ph D
 T.E. Drake, M Sc, Ph D
 J.R. Drummond, MA, D Phil, FRSC
 D.J. Dunlop, MA, Ph D, FRSC (UTM)
 R. N. Edwards, BSc, Ph.D., C Phys, F Inst P
 R.M. Farquhar, MA, Ph D, FRSC (UTM)
 G.M. Graham, M Sc, Ph D
 R. Holdom, MA, Ph D
 D.G. Ivey, MA, Ph D
 A.W. Key, MA, D Phil (I)
 J.D. King, BA, D Phil (UTSC)
 P.P. Kronberg, M Sc, Ph D, D Sc
 R. List, Dipl Phys ETH, Dr Sc Nat, FRSC
 R.K. Logan, B Sc, Ph D (N)
 J. Martin, B.Sc, D. Phil
 A.D. May, MA, Ph D
 J.W. Moffat, Ph D, D Sc
 K.H. Norwich, M Sc, MD, Ph D
 D.A.L. Paul, BA, Ph D
 J.M. Perz, MA Sc, Ph D (UTSC)
 J.D. Prentice, M Sc, Ph D
 D.J. Rowe, MA, D Phil, FRSC
 H.M. van Driel, M Sc, Ph D, FRSC
 M.B. Walker, B Eng, D Phil
 G.F. West, MA, Ph D, FRSC
 S.S.M. Wong, M Sc, Ph D
 T.S. Yoon, M Sc, Ph D

Professor and Chair of the Department

S.R. Julian, B Sc, M Sc, Ph D

Professor and Associate Chair (Graduate Studies)

W. Trischuk, B Sc, Ph D

Professor and Associate Chair (Undergraduate Studies)

J. Harlow, B Sc, Ph D

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 S. John, B Sc, Ph D, FRSC
 R.J.D. Miller, R.J.D., B Sc, Ph D, FRSC
 W.R. Peltier, M Sc, Ph D, FRSC

Professors

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 D.J. Donaldson, B Sc, Ph D
 D.F.V. James, BA, Ph D
 D.B.A. Jones, AB, SM, Ph D
 M.L.G. Joy, MA Sc, Ph D
 H-Y. Kee, MS, Ph D
 Y-B. Kim, B Sc, M Sc, Ph D
 Y-J. Kim, BS, Ph D
 P. Krieger, M Sc, Ph D
 P.J. Kushner, B Sc, M Sc, Ph D
 H-K. Lo, Ph D
 M. Luke, Ph D

G.W.K. Moore, B Sc, Ph D (UTM)
 S.W. Morris, B Sc, M Sc, Ph D
 N. Murray, Ph D
 B. Netterfield, BS, Ph D
 R.S. Orr, B Sc, Ph D, FRSC
 A.W. Peet, B Sc, Ph D
 E. Poppitz, Ph D
 J. Repka, B Sc, Ph D
 P. Savard, M Sc, Ph D
 P.K. Sinervo, B Sc, Ph D, FRSC
 J.E. Sipe, M Sc, Ph D, FRSC (T)
 S. Stanley, B Sc, MA, Ph D
 A.M. Steinberg, MA, Ph D
 K. Strong, B Sc, D Phil
 H. Tanaka, Ph D
 J. Thywissen, MS, Ph D
 R.P. Young, Ph D

Associate Professors

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 V. Barzda, M Sc, Ph D (UTM)
 A-A. Dhirani, B Sc, Ph D
 C. Gradiaru, Ph D (UTM)
 Q. Liu, B Sc, Ph D
 J. Lowman, B A, M Sc, Ph D (UTSC)
 R.S. Marjoribanks, MS, Ph D
 D. McMillen, B Sc, M Sc, Ph D (UTM)
 A. Paramekanti, B Tech, Ph D
 U-L. Pen, M Sc, Ph D
 W. Ryu, AB, Ph D
 R. Teuscher, M Sc, Ph D
 A.C. Thompson, BS, Ph D
 K. Walker, B Sc, Ph D
 J.T. Wei, MS, Ph D

Associate Professors, Teaching Stream

V.B. Deyirmenjian, B Sc, Ph D
 J. Harlow, B Sc, Ph D
 R.M. Serbanescu, M Sc, Ph D

Assistant Professors

S. Goyal, B Tech, M Sc, Ph D
 N. Grisouard, B S, M S, Ph D
 C. Lee, Ph D
 J.N. Milstein, BS, Ph D (UTM)
 A. Vutha, Ph D
 W. Yan, BS, Ph D
 M. Wells, B Sc, Ph D (UTSC)
 D. Wunch, Ph D
 L. Yang, BS, MA, Ph D
 A. Zilman, B Sc, M Sc, Ph D

Assistant Professor, Teaching Stream

A. Meyertholen, Ph D

Part-Time Lecturers

N. Krasnopol skaia, Ph D
 P. Savaria, M Sc, Ph D

Introduction

Physics forms the bedrock of our understanding of Nature. Any physical object or process, or even the structure of the whole universe itself, can be the subject of physics. Physicists study an extremely diverse array of systems, from the simplest subatomic particles to the most complex processes found in biological cells or in the Earth's climate. Physics provides a comprehensive set of fundamental tools that can be brought to bear on many problems across a wide variety of fields.

Students can choose between Specialist Programs in Physics or Physics combined with numerous other sciences, as well as Philosophy. In addition, the Physics Major and Minor programs give the student the option of mixing Physics with the nearly limitless array of science and non-science programs available across the University. As well, students have the opportunity to do original research and to undertake independent supervised studies for course credit.

A program in physics has much to offer. Beyond the traditional careers of teaching and research, a knowledge of physics is a powerful asset in professions like Medicine or Law, or for careers involving the environmental, geological or biological sciences. An understanding of physics is essential for those who are concerned about how society is affected by climate change or advanced technology. The conceptual problem-solving tools one acquires as a physicist can be applied with great success to many occupations.

The Physics Specialist Program offers intensive training in all aspects of physics. Courses can be selected in order to emphasize the experimental, theoretical or applied sides of physics. In fourth year, students intending to undertake graduate studies are encouraged to take advanced optional courses. These courses, which reflect the excellence and research diversity of the faculty, are offered in areas such as Relativity, High Energy Physics, Quantum Optics, Condensed Matter, Geophysics and Atmospheric Physics.

The Specialist Program in Biological Physics combines the analytical problem solving skills of the physicist with sound backgrounds in relevant biology and biochemistry. The interface between biology and physics lies at the forefront of the rapidly growing field of quantitative biology.

The Professional Experience Year Co-op program ("PEY Co-op": see also <https://engineeringcareers.utoronto.ca/>) is available to eligible, full-time Arts & Science Specialist students after their second year of study. Physics students are encouraged to take advantage of this opportunity to apply their scientific and mathematical skills in a 12-16 month professional internship.

The Departmental website gives detailed information on programs and courses, and describes the operation of the Department and the counseling services available. All students, most particularly those entering first year, are strongly urged to consult the web site before term begins.

Associate Chair (Undergraduate Studies):
Professor J. Harlow, Room 328, McLennan Physical Laboratories (416-978-6674);
E-mail address: ugchair@physics.utoronto.ca

Enquiries:
Undergraduate Office, Room 301, McLennan Physical Laboratories (416-978-7057)

E-mail address: ugcoord@physics.utoronto.ca

Web site: <http://www.physics.utoronto.ca>

Physics Programs

Biological Physics Specialist (Science Program) - ASSPE1420

Description:

The Biological Physics specialist program focuses on the physical principles that organize complex biological phenomena. How do cells use chemical energy to generate motion? How does diffusion limit the ability of cells to measure the concentration of chemicals? How do neurons transmit and process information? How does blood flow through a beating heart? Biological Physics deals with problems at the interface of Physics, Molecular Biology, and Physiology, and covers the full range of scales, from the molecular, to the organismic. Students in this program will be trained to think rigorously and quantitatively about a wide range of interdisciplinary problems, will be well prepared to work in a variety of fields such as medicine and biotechnology, and will be ready to undertake graduate work in the fast-emerging field of Biological Physics and its related specialties including Immunology, Physiology, Neuroscience, and Bioengineering..

The program is offered as a partnership between the Departments of Physics, Biochemistry, Chemistry, and Physiology (referred to as "partner departments"). All students take the Core courses in Physics, Mathematics, Biology, Biochemistry, and Chemistry. The Core also includes a specialized course in Biological Physics ([PHY331H1](#)) and a third-year laboratory course from one of the partner departments. Students then choose one of four Streams (below) consisting of additional courses from the partner departments.

Biological Physics Specialist: Advanced Physics Stream (Science Program) - ASSPE2739

Completion Requirements:

Core Biological Physics Courses (11.5 FCE)

First Year (3.0 FCE): ([CHM138H1](#)/[CHM136H1](#), [CHM139H1](#)/[CHM135H1](#))/[CHM151Y1](#), ([MAT135H1](#), [MAT136H1](#))/[MAT137Y1](#), [PHY131H1](#)/[PHY151H1](#), [PHY132H1](#)/[PHY152H1](#) ([PHY151H1](#), [PHY152H1](#) recommended)

First or Second Year (1.0 FCE): [BIO130H1](#), [MAT223H1](#)

Second Year (3.0 FCE): [BCH210H1](#), ([MAT235Y1](#)/[MAT237Y1](#)), [MAT244H1](#), [PHY250H1](#), [PHY252H1](#)

Second or Third Year (0.5 FCE): [BIO230H1](#)/[BIO255H1](#)

Third Year (2.0 FCE): [PHY224H1](#), [PHY254H1](#), [PHY256H1](#), [PHY354H1](#)

Third or Fourth Year (2.0 FCE):

1. [PHY331H1](#)
2. [PHY324H1](#)/[BCH370H1](#)/[CHM327H1](#)/[PSL372H1](#)
3. 1.0 FCE, including at least 0.5 FCE at the 400 level, from

APM346H1/ MAT334H1/ MAT354H1/PHY-300 level courses/PHY-400 level courses.

Additional Requirements for the Advanced Physics Stream (2.5 FCE):

1. (BCH311H1, BCH340H1)/(PSL300H1, PSL301H1)
2. PHY431H1 and 1.0 FCE from additional courses from APM346H1/ MAT334H1/ MAT354H1/PHY-300 level courses /PHY-400-level courses/ JPE395H1/ JPE493H1

Integrative, Inquiry-Based Activity Requirement

The choices in the program must satisfy the requirement for an integrative, inquiry-based activity by including at least one of the following courses: IMM435H1, PHY371Y1, PHY372H1, PHY396Y0, PHY397Y0, PHY398H0, PHY399Y0, PHY407H1, PHY424H1, PHY426H1, PHY428H1, PHY429H1, PHY471Y1, PHY472H1, PHY478H1, PHY479Y1, PSL304H1, PSL305H1, and PSL372H1

Notes:

Students are encouraged but not required to enroll in the independent project courses PHY478H1/ PHY479Y1. These students may be supervised by faculty in the Departments of Physics, Biochemistry, Chemistry, Immunology, and Physiology. Students are required to have a B average in the program courses, identify a supervisor, and consult the Associate Chair of Physics (Undergraduate Studies) before enrolling in PHY478H1/ PHY479Y1.

Students might wish to enroll in 300- and 400-level courses in the partner life science departments that are not listed above. These students will need approval to take these courses from the Associate Chair (Undergraduate Studies) prior to enrollment in the course.

On approval of the Department of Physics, students who enroll in CHM222H1/ CHM225Y1 will not have to take PHY252H1. PHY252H1 is required for the Life Science and Advanced Physics Stream.

Biological Physics Specialist: Biochemistry Stream (Science Program) - ASSPE2737

Completion Requirements:

Core Biological Physics Courses (11.5 FCE):

First Year (3.0 FCE): (CHM138H1/ CHM136H1, CHM139H1/ CHM135H1/ CHM151Y1, (MAT135H1, MAT136H1) / MAT137Y1, PHY131H1/ PHY151H1, PHY132H1/ PHY152H1 (PHY151H1, PHY152H1 recommended)

First or Second Year (1.0 FCE): BIO130H1, MAT223H1

Second Year (3.0 FCE): BCH210H1, (MAT235Y1/ MAT237Y1), MAT244H1, PHY250H1, PHY252H1

Second or Third Year (0.5 FCE): BIO230H1/ BIO255H1

Third Year (2.0 FCE): PHY224H1, PHY254H1, PHY256H1, PHY354H1

Third or Fourth Year (2.0 FCE):

1. PHY331H1
2. PHY324H1/ BCH370H1/ CHM327H1/ PSL372H1
3. 1.0 FCE, including at least 0.5 FCE at the 400 level, from APM346H1/ MAT334H1/ MAT354H1/PHY-300 level courses/PHY-400 level courses.

Additional Courses for the Biochemistry Stream (2.5 FCE):

1. BCH311H1, BCH340H1
2. 1.5 FCE from BCH370H1/ CSB428H1/BCH400-level BCH courses. Excludes BCH472Y1, BCH473Y1, BCH478H1, BCH479H1

Integrative, Inquiry-Based Activity Requirement

The choices in the program must satisfy the requirement for an integrative, inquiry-based activity by including at least one of the following courses: IMM435H1, PHY371Y1, PHY372H1, PHY396Y0, PHY397Y0, PHY398H0, PHY399Y0, PHY407H1, PHY424H1, PHY426H1, PHY428H1, PHY429H1, PHY471Y1, PHY472H1, PHY478H1, PHY479Y1, PSL304H1, PSL305H1, and PSL372H1

Notes:

Students are encouraged but not required to enroll in the independent project courses PHY478H1/ PHY479Y1. These students may be supervised by faculty in the Departments of Physics, Biochemistry, Chemistry, Immunology, and Physiology. Students are required to have a B average in the program courses, identify a supervisor, and consult the Associate Chair of Physics (Undergraduate Studies) before enrolling in PHY478H1/ PHY479Y1.

Students might wish to enroll in 300- and 400-level courses in the partner life science departments that are not listed above. These students will need approval to take these courses from the Associate Chair (Undergraduate Studies) prior to enrollment in the course.

On approval of the Department of Physics, students who enroll in CHM222H1/ CHM225Y1 will not have to take PHY252H1. PHY252H1 is required for the Life Science and Advanced Physics Stream.

Biological Physics Specialist: Immunology Stream (Science Program) - ASSPE2740

Completion Requirements:

Core Biological Physics Courses (11.5 FCE):

First Year (3.0 FCE): (CHM138H1/ CHM136H1, CHM139H1/ CHM135H1/ CHM151Y1, (MAT135H1, MAT136H1) / MAT137Y1, PHY131H1/ PHY151H1, PHY132H1/ PHY152H1 (PHY151H1, PHY152H1 recommended)

First or Second Year (1.0 FCE): BIO130H1, MAT223H1

Second Year (3.0 FCE): BCH210H1, (MAT235Y1/ MAT237Y1), MAT244H1, PHY250H1, PHY252H1

Second or Third Year (0.5 FCE): BIO230H1/ BIO255H1

Third Year (2.0 FCE): PHY224H1, PHY254H1, PHY256H1, PHY354H1

Third or Fourth Year (2.0 FCE):

1. PHY331H1
2. PHY324H1/ BCH370H1/ CHM327H1/ PSL372H1
3. 1.0 FCE, including at least 0.5 FCE at the 400 level, from APM346H1/ MAT334H1/ MAT354H1/PHY-300 level courses/PHY-400 level courses.

Additional Courses for the Immunology Stream (2.0 FCE):

1. IMM341H1, IMM351H1 (Students in the Biological Physics Specialist Immunology Stream are permitted to take BIO230H1 as a co-requisite to IMM341H1, instead of as a prerequisite, by permission of the Department of Immunology)
2. 1.0 FCE from IMM400-level courses.

Integrative, Inquiry-Based Activity Requirement

The choices in the program must satisfy the requirement for an integrative, inquiry-based activity by including at least one of the following courses: IMM435H1, PHY371Y1, PHY372H1, PHY396Y0, PHY397Y0, PHY398H0, PHY399Y0, PHY407H1, PHY424H1, PHY426H1, PHY428H1, PHY429H1, PHY471Y1, PHY472H1, PHY478H1, PHY479Y1, PSL304H1, PSL305H1, and PSL372H1

Notes:

Students are encouraged but not required to enroll in the independent project courses PHY478H1/ PHY479Y1. These students may be supervised by faculty in the Departments of Physics, Biochemistry, Chemistry, Immunology, and Physiology. Students are required to have a B average in the program courses, identify a supervisor, and consult the Associate Chair of Physics (Undergraduate Studies) before enrolling in PHY478H1/ PHY479Y1.

Students might wish to enroll in 300- and 400-level courses in the partner life science departments that are not listed above. These students will need approval to take these courses from the Associate Chair (Undergraduate Studies) prior to enrollment in the course.

On approval of the Department of Physics, students who enroll in CHM222H1/ CHM225Y1 will not have to take PHY252H1. PHY252H1 is required for the Life Science and Advanced Physics Stream.

Biological Physics Specialist: Physiology Stream (Science Program) - ASSPE2738

Completion Requirements:

Core Biological Physics Courses (11.5 FCE):

First Year (3.0 FCE): (CHM138H1/ CHM136H1, CHM139H1/ CHM135H1)/ CHM151Y1, (MAT135H1, MAT136H1)/ MAT137Y1, PHY131H1/ PHY151H1, PHY132H1/ PHY152H1 (PHY151H1, PHY152H1 recommended))

First or Second Year (1.0 FCE): BIO130H1, MAT223H1

Second Year (3.0 FCE): BCH210H1, (MAT235Y1/ MAT237Y1), MAT244H1, PHY250H1, PHY252H1

Second or Third Year (0.5FCE): BIO230H1/ BIO255H1

Third Year (2.0 FCE): PHY224H1, PHY254H1, PHY256H1, PHY354H1

Third or Fourth Year (2.0 FCE):

1. PHY331H1
2. PHY324H1/ BCH370H1/ CHM327H1/ PSL372H1
3. 1.0 FCE, including at least 0.5 FCE at the 400 level, from APM346H1/ MAT334H1/ MAT354H1/PHY-300 level courses/PHY-400 level courses.

Additional Courses for the Physiology Stream (2.5 FCE):

1. PSL300H1, PSL301H1
2. 1.5 FCE, including at least 0.5 FCE at the 400 level, from PSL304H1/ PSL305H1/ PSL372H1/PSL400-level courses

Integrative, Inquiry-Based Activity Requirement

The choices in the program must satisfy the requirement for an integrative, inquiry-based activity by including at least one of the following courses: IMM435H1, PHY371Y1, PHY372H1, PHY396Y0, PHY397Y0, PHY398H0, PHY399Y0, PHY407H1, PHY424H1, PHY426H1, PHY428H1, PHY429H1, PHY471Y1, PHY472H1, PHY478H1, PHY479Y1, PSL304H1, PSL305H1, and PSL372H1

Notes:

Students are encouraged but not required to enroll in the independent project courses PHY478H1/ PHY479Y1. These students may be supervised by faculty in the Departments of Physics, Biochemistry, Chemistry, Immunology, and Physiology. Students are required to have a B average in the program courses, identify a supervisor, and consult the Associate Chair of Physics (Undergraduate Studies) before enrolling in PHY478H1/ PHY479Y1.

Students might wish to enroll in 300- and 400-level courses in the partner life science departments that are not listed above. These students will need approval to take these courses from the Associate Chair (Undergraduate Studies) prior to enrollment in the course.

On approval of the Department of Physics, students who enroll in CHM222H1/ CHM225Y1 will not have to take PHY252H1. PHY252H1 is required for the Life Science and Advanced Physics Stream.

Physics and Philosophy Specialist (Science Program) - ASSPE2584

Description:

Physics has deep historical roots in natural philosophy and many aspects of contemporary Physics raise profound philosophical questions about the nature of reality. The interdisciplinary Physics and Philosophy Program allows the student to engage with both Physics and Philosophy at their deepest levels, and to more fully explore the connections between them.

Consult Associate Chair (Undergraduate Studies), Department of Physics or Philosophy.

Completion Requirements:

(15.0 full courses or their equivalent (FCE), including at least 1.5 FCE at the 400 level)

First Year: (2.5 FCE)

(MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1, MAT223H1/MAT240H1, PHY131H1/ PHY151H1, PHY132H1/ PHY152H1 (The courses MAT137Y1, MAT223H1, PHY151H1, PHY152H1 are recommended.)

First or Second Year: (1.5 FCE)

1.5 FCE of: PHL232H1/ PHL233H1/ PHL240H1/ PHL245H1/HPS250H1 (PHL245H1 may only be counted here if MAT157Y1 is not taken)

Second Year: (3.0 FCE)

MAT237Y1/ MAT257Y1/ MAT235Y1, MAT244H1/ MAT267H1, PHY250H1, PHY254H1, PHY256H1 (The courses MAT237Y1, MAT244H1 are recommended.)

Third Year: (2.0 FCE)

MAT334H1/ MAT354H1, PHY252H1, (PHY350H1/ PHY354H1), PHY356H1

Fourth Year: (1.0 FCE)

PHY456H1, PHY491H1

Any Year: (5.0 FCE)

(PHL345H1/ PHL347H1), PHL355H1, PHL356H1, (PHL415H1/PHL482H1), plus 1.0 FCE of (PHL325H1/ PHL331H1/ PHL332H1/PHL346H1/ PHL357H1) plus 2.0 FCE additional PHL courses, at least 0.5 FCE of which must be from the Philosophy Value Theory Course Group (The courses PHL265H1, PHL275H1 are recommended.)

Consult the Associate Chair (Undergraduate Studies), Department of Physics.

Completion Requirements:

(13.5 FCE, including at least one full course at the 400 level)

First Year: (2.5 FCE)

(MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1, MAT223H1/MAT240H1, PHY131H1/ PHY151H1, PHY132H1/ PHY152H1

(The courses MAT137Y1, MAT223H1, PHY151H1, PHY152H1 are recommended.)

Second Year: (4.0 FCE)

MAT237Y1/ MAT257Y1/ MAT235Y1, MAT244H1/ MAT267H1, PHY224H1, PHY250H1, PHY252H1, PHY254H1, PHY256H1

(The courses MAT237Y1, MAT244H1 are recommended.)

Second or Third Year: (0.5 FCE)

PHY324H1

Third Year: (3.0 FCE)

1. APM346H1, MAT334H1/ MAT354H1, PHY350H1, PHY354H1, PHY356H1

2. Additional 0.5 FCE from PHY-300 level courses/PHY-400 level courses/ JPE395H1/ JPE493H1, excluding JPH311H1,

JPH441H1

Third or Fourth Year: (3.5 FCE)

1. PHY424H1

2. 1.0 FCE from PHY450H1, PHY452H1, PHY454H1, PHY456H1, PHY460H1

3. PHY405H1/ PHY407H1/ PHY408H1/ PHY426H1/ PHY478H1. See Note 2.

4. 1.0 FCE, including at least 0.5 FCE at the PHY-400 level, from PHY-300 level courses/PHY-400 level courses/ JPE395H1/ JPE493H1, excluding JPH311H1, JPH441H1

5. Ethics and Social Responsibility Requirement: The Physics course JPH441H1 meets this requirement as well as any of the following courses: ETH201H1/ ETH210H1/ ETH220H1/ ETH230H1/HPS200H1/ PHL233H1/ PHL265H1/ PHL273H1/ PHL275H1/PHL281H1/ IMC200H1/ VIC172Y1/ ENV333H1. See Note 3.

Notes:

1. Students are encouraged but not required to enrol in the independent study and project courses such as PHY371Y1, PHY478H1, etc.

Description:

The Physics Specialist Program offers rigorous training in the full spectrum of core physics subfields, as well as their numerous important applications. Practical courses treat the experimental and computational aspects and complement the lecture courses. Physics concerns many of the most fundamental questions in our scientific understanding of the universe. What is the nature of matter and energy at the smallest scales? What are the physical processes that govern the Earth's climate? What is the nature of light and how can it be controlled? How do the collective properties of solids emerge from those of individual atoms? How do biological processes organize themselves to maintain their survival? What is the structure and evolution of the Earth and the other planets? How can quantum information be used for computation? Physics seeks answers to these questions using a combination of theory, computation and precise experimental work, and the results find application across all of science.

2. PHY479Y1 (Undergraduate Research Project) satisfies Requirement 3 in Third or Fourth Year and counts as 0.5 FCE at the PHY-400 level for Requirement 4 in Third or Fourth Year. Students may use MAT351Y1 instead of APM346H1 for Requirement 1 in Third Year.

3. Requirement 5 in Third or Fourth Year represents 0.5 FCE with a significant emphasis on "Ethics and Social Responsibility". Students may use the CR/NCR option towards any of the courses listed in Requirement 5. Another Arts & Science course with a significant emphasis on "Ethics and Social Responsibility" may be substituted subject to approval from the Associate Chair (Undergraduate Studies).

4. The requirement for an integrative, inquiry-based activity is satisfied by the required course PHY424H1.

Physics Major (Science Program) - ASMAJ1944

Description:

A Physics Major program is appropriate for students interested in a more flexible and diverse undergraduate physics program. A Physics Major may be tailored to be a natural counterpart to a second Major in mathematics, astronomy, computer science, environmental science, geology or the life sciences. Students should consult the Associate Chairs (Undergraduate Studies) of Physics and the respective departments for advice on course selections.

Completion Requirements:

(8.0 FCE including at least 2.0 FCE at the 300+ level, with at least 0.5 FCE at the 400 level)

First Year: (2.0 FCE)

(MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1, PHY131H1/
PHY151H1, PHY132H1/ PHY152H1

Second Year: (3.0 FCE)

1. MAT235Y1/ MAT237Y1/ MAT257Y1, MAT223H1/ MAT240H1,
PHY224H1

2. 1.0 FCE from PHY231H1, PHY331H1, PHY250H1, PHY252H1,
PHY254H1, PHY256H1

Third Year: (2.5 FCE)

1. MAT244H1/ MAT267H1, PHY324H1/ PHY405H1/ PHY407H1/
PHY408H1

2. 1.5 FCE, including at least 0.5 FCE at the PHY400 level, from
APM346H1/ MAT334H1/ MAT354H1; PHY-300 level courses/PHY-
400 level courses/ JPE395H1/ JPE493H1, excluding JPH311H1,
JPH441H1

Third or Fourth Year: (0.5 FCE)

1. Ethics and Social Responsibility Requirement: The Physics course JPH441H1 meets this requirement as well as any of the following courses: ETH201H1/ ETH210H1/ ETH220H1/ ETH230H1

HPS200H1/ PHL233H1/ PHL265H1/ PHL273H1/ PHL275H1/
PHL281H1/ IMC200H1/ VIC172Y1/ ENV333H1. See Note 2.

Notes:

1. Students in the Physics Major program who are intending to pursue graduate studies in Physics should consult with the Associate Chair (Undergraduate Studies).
2. Requirement 1 in Third or Fourth Year represents 0.5 FCE with a significant emphasis on "Ethics and Social Responsibility". Students may use the CR/NCR option towards any of the courses listed in Requirement 1. Another Arts & Science course with a significant emphasis on "Ethics and Social Responsibility" may be substituted subject to approval from the Associate Chair (Undergraduate Studies).

Physics Minor (Science Program) - ASMIN1944

Completion Requirements:

(4.0 FCE)

First Year: (1.0 FCE)

PHY131H1/ PHY151H1, PHY132H1/ PHY152H1

Second Year: (2.0 FCE)

1. PHY224H1

2. 1.5 FCE from PHY231H1, PHY250H1, PHY252H1, PHY254H1,
PHY256H1

Third Year: (1.0 FCE)

1. PHY324H1/ PHY405H1/ PHY407H1/ PHY408H1

2. 0.5 FCE from: PHY-300 level course/PHY-400 level course/
JPE395H1/ JPE493H1, excluding JPH311H1, JPH441H1

Regarding Physics Courses

Note

More detailed and current information on courses is available through the Physics Department website. Many course numbers have changed in recent years: check the course descriptions and exclusions below for course equivalencies. Pre- and co-requisites are strictly enforced and may only be waived in special circumstances. Students should consult the Physics Associate Chair (Undergraduate Studies) with questions about pre- and co-requisites prior to the beginning of term if they are requesting a waiver. Students without the required pre- and co-requisites will be removed from courses.

Physics Courses

PHY100H1 - The Magic of Physics

Hours: 24L/12T

This course provides a survey of Physics, including both Classical and Modern Physics. It is designed for non-scientists, and assumes no background in either science or mathematics. The approach to the course is broad rather than deep. We will concentrate on the concepts underlying such fascinating topics as planetary motion, chaos, the nature of light, time travel, black holes, matter waves, Schrodinger's cat, quarks, and climate change. We will uncover the wonders of the classical and the quantum worlds courtesy of Galileo, Newton, Maxwell, Einstein, Heisenberg and many others.

(PHY100H1 is primarily intended as a Breadth Requirement course for students in the Humanities and Social Science)

Exclusion: PHY131H1/ PHY132H1/ PHY151H1/ PHY152H1 taken previously or concurrently

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY101H1 - Emergence in Nature

Hours: 24L/12T

The universe is not a rigid clockwork, but neither is it formless and random. Instead, it is filled with highly organized, evolved structures that have somehow emerged from simple rules of physics. Examples range from the structure of galaxies to the pattern of ripples on windblown sand, to biological and even social processes. These phenomena exist in spite of the universal tendency towards disorder. How is this possible? Self-organization challenges the usual reductionistic scientific method, and begs the question of whether we can ever really understand or predict truly complex systems.

PHY101H1 is primarily intended as a Breadth Requirement course for students in the Humanities and Social Sciences.

Exclusion: PHY131H1/ PHY132H1/ PHY151H1/ PHY152H1 taken previously or concurrently

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY131H1 - Introduction to Physics I

Hours: 36L/20P

A first university physics course primarily for students not intending to pursue a Specialist or Major program in Physical or Mathematical Sciences. Topics include: classical kinematics & dynamics, momentum, energy, force, friction, work, power, angular momentum, oscillations, waves, sound.

Corequisite: MAT135H1/ MAT137Y1/ MAT157Y1 recommended, but may be required prerequisite in 2nd year Physics courses

Exclusion: PHY151H1

Recommended Preparation: MCV4U Calculus & Vectors / MHF4U Functions & Calculus, SPH4U Physics

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY132H1 - Introduction to Physics II

Hours: 36L/20P

The second university physics course primarily for students not intending to pursue a Specialist or Major program in Physical or Mathematical Sciences. Topics include: electricity, magnetism, light, optics, special relativity.

Prerequisite: PHY131H1/ PHY151H1

Corequisite: MAT136H1/ MAT137Y1/ MAT157Y1 recommended, but may be required prerequisite in 2nd year Physics courses

Exclusion: PHY152H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY151H1 - Foundations of Physics I

Hours: 36L/30P

The first physics course in many of the Specialist and Major Programs in Physical Sciences. It provides an introduction to the concepts, approaches and tools the physicist uses to describe the physical world while laying the foundation for classical and modern mechanics. Topics include: mathematics of physics, energy, momentum, conservation laws, kinematics, dynamics, and special relativity.

Prerequisite: MCV4U Calculus & Vectors / MCB4U Functions & Calculus; SPH4U Physics

Corequisite: MAT137Y1/ MAT157Y1

Exclusion: PHY131H1/ PHY110Y1/ PHY138Y1/ PHY140Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY152H1 - Foundations of Physics II

Hours: 36L/30P

The concept of fields will be introduced and discussed in the context of gravity and electricity. Topics include rotational motion, oscillations, waves, electricity and magnetism.

Prerequisite: PHY131H1/ PHY151H1/ PHY180H1

Corequisite: MAT137Y1/ MAT157Y1

Exclusion: PHY132H1/ PHY110Y1/ PHY138Y1/ PHY140Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY198H1 - Physics at the Cutting Edge

Previous Course Number: PHY289H1

Hours: 24L/12S

A limited enrollment seminar course for First Year Science students interested in current research in Physics. Students will meet active researchers studying the universe from the centre of the earth to the edge of the cosmos. Topics may range from string theory to experimental biological physics, from climate change to quantum computing, from superconductivity to earthquakes. The course may involve both individual and group work, essays and oral presentations. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: PHY151H1

Corequisite: PHY152H1, MAT137Y1/ MAT157Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY196H1 - Emergence in Nature

Hours: 24S

The universe is not a rigid clockwork, but neither is it formless and random. Instead, it is filled with highly organized, evolved structures that have somehow emerged from simple rules of physics.

Examples range from the structure of galaxies to the pattern of ripples on windblown sand, to biological and even social processes. These phenomena exist in spite of the universal tendency towards disorder. How is this possible? Self-organization challenges the usual reductionistic scientific method, and begs the question of whether we can ever really understand or predict truly complex systems. Restricted to first-year students. Not eligible for CR/NCR.

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY199H1 - Dark Matter and Dark Energy are the New Black

Hours: 48S

It is now 90 years since astronomers found the first evidence for a form of matter that wasn't part of the stars in our galaxies, but rather is "dark" and has a gravitational attraction to ordinary matter. Other lines of evidence lead us to believe that there is six times more dark matter than the ordinary matter we are familiar with. Despite this, we have no credible, direct evidence for what this dark matter might be. It is one of the biggest puzzles in particle physics and cosmology. In the last decade, we have also discovered that something else is going on – the universe appears to be filled with "dark energy" that causes the expansion of our universe to speed up instead of slowdown. We will discuss what we know about the hypotheses of dark matter and dark energy, and the debates about what might really be going on. Are we seeing science in crisis, with a revolution just around the corner, or is this just the "normal science" talked about by Kuhn and other philosophers of science? Participants will be expected to participate in seminar-style discussions, as well as take the lead on at least one topic of discussion. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY197H1 - Modern Physics for the Curious

Hours: 24S

Have you wondered about the origin and workings of the natural world around us? Have you found physical science interesting but inaccessible because it was too full of math and jargon? Have you felt a pull to become more science-literate? If so, this seminar course is for you -- or for anyone interested in understanding more about the universe, including our planet, seen through the lens of modern physics. Ideas on the menu will include: particle physics, space and time, relativity, black holes, quantum physics, unification forces, string theory, and big bang cosmology. The intriguing story of these integrated phenomena unfolds over a wide distance and a long time. Students from diverse academic backgrounds are warmly welcome. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: No prior experience with physical science will be required, but familiarity with Grade 10 mathematics will be assumed.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY199Y1 - Dark Matter and Dark Energy are the New Black

Hours: 48S

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Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY201H1 - Concepts of Physics

Hours: 24L/12T

A conceptual overview of some the most interesting advances in physics and the intellectual background in which they occurred. The interrelationship of the actual practice of physics and its cultural and intellectual context is emphasized.

PHY201H1 is primarily intended as a Breadth Requirement course for students in the Humanities and Social Sciences

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY202H1 - The Physics of Science Fiction and Gaming

Hours: 24L/12T

The physics of time travel, teleportation, levitation, invisibility, special effects, and other physics related topics found in literature, film, and gaming. The course will analyze the realism of physical phenomena in these media, and consider the impact of these concepts on science and society.

PHY202H1 is primarily intended as a Breadth Requirement course for students in the Humanities and Social Sciences.

Exclusion: PHY131H1/ PHY132H1/ PHY151H1/ PHY152H1 taken previously or concurrently.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY205H1 - The Physics of Everyday Life

Hours: 24L/12T

An introduction to the physics of everyday life. This conceptual course looks at everyday objects to learn about the basis for our modern technological world. Topics may include anything from automobiles to weather.

PHY205H1 is primarily intended as a Breadth Requirement course for students in the Humanities and Social Sciences.

Exclusion: PHY131H1/ PHY132H1/ PHY151H1/ PHY152H1 or equivalent, taken previously or concurrently

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY207H1 - The Physics of Music

Hours: 24L/12T/0P

An online course intended to provide non-science students with a basic understanding of the science behind sound and music. Topics include oscillations, waves, human hearing and perception of music, musical scales, musical instruments, recording and storing sound digitally, producing sound and broadcasting. Lectures will be delivered via the web and mandatory tutorials will require live webinar participation. The final exam will require attendance on the St. George campus.

Exclusion: PHY131H1/ PHY132H1/ PHY151H1/ PHY152H1 or equivalent, taken previously or concurrently

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

IVP210H1 - Holography for 3D Visualization

Hours: 24L/36P

An introduction to the theory and practice of holography. Human perception & 3D visualization; fundamentals of 3D modeling; ray and wave optics; interference, diffraction, coherence; transmission and reflection holograms; colour perception; stereograms. Applications of holography in art, medicine, and technology. Computer simulation, design, and construction of holograms.

Exclusion: JOP210H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY250H1 - Electricity and Magnetism

Hours: 24L/12T

An introductory course in Electromagnetism. Topics include: Point charges, Coulomb's law, electrostatic field and potential, Gauss's Law, conductors, electrostatic energy, magnetostatics, Ampere's Law, Biot-Savart Law, the Lorentz Force Law, Faraday's Law, Maxwell's equations in free space.

Prerequisite: PHY132H1/ PHY152H1, (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1

Corequisite: MAT235Y1/ MAT237Y1/ MAT257Y1

Exclusion: PHY238Y1, PHY251H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY224H1 - Practical Physics I

Hours: 72P

Develops the core practical experimental and computational skills necessary to do physics. Students tackle simple physics questions involving mathematical models, computational simulations and solutions, experimental measurements, data and uncertainty analysis.

Prerequisite: PHY132H1/ PHY152H1, (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1

Corequisite: PHY231H1/ PHY250H1/ PHY252H1/ PHY254H1/ PHY256H1/ ENV235H1

Exclusion: PHY225H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY252H1 - Thermal Physics

Hours: 24L/12T

The quantum statistical basis of macroscopic systems; definition of entropy in terms of the number of accessible states of a many particle system leading to simple expressions for absolute temperature, the canonical distribution, and the laws of thermodynamics. Specific effects of quantum statistics at high densities and low temperatures.

Prerequisite: PHY132H1/ PHY152H1, (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1

Corequisite: MAT235Y1/ MAT237Y1/ MAT257Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY231H1 - Physics of Living Systems

Hours: 24L/18P

An introductory course for students interested in understanding the physical phenomena occurring in biological systems and the applications of physics in life sciences. Topics may include physical processes inside living cells and systems, medical physics and imaging.

Prerequisite: PHY132H1/ PHY152H1, (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1

Exclusion: PHY238YH1

Recommended Preparation: BIO130H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY254H1 - Classical Mechanics

Hours: 24L/12T

The course analyzes the linear, nonlinear and chaotic behaviour of classical mechanical systems such as harmonic oscillators, rotating bodies, and central field systems. The course will develop the analytical and numerical tools to solve such systems and determine their basic properties. The course will include mathematical analysis, numerical exercises using Python, and participatory demonstrations of mechanical systems.

Prerequisite: PHY132H1/ PHY152H1 (PHY152H1 recommended), (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1

Corequisite: MAT235Y1/ MAT237Y1/ MAT257Y1

Exclusion: PHY255H1

Recommended Preparation: MAT244H1/ MAT267H1, PHY224H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY256H1 - Introduction to Quantum Physics

Hours: 24L/12T

Failures of classical physics; the Quantum revolution; Stern-Gerlach effect; harmonic oscillator; uncertainty principle; interference packets; scattering and tunneling in one-dimension.

Prerequisite: PHY132H1/ PHY152H1, (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1

Corequisite: MAT235Y1/ MAT237Y1/ MAT257Y1, (MAT223H1/ MAT240H1 recommended)

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

JPH311H1 - History of Physics

Hours: 24L

Topics in the history of physics from antiquity to the 20th century, including Aristotelian physics, Galileo, Descartes, electromagnetism, thermodynamics, statistical mechanics, relativity, quantum physics, and particle physics. The development of theories in their intellectual and cultural contexts.

Prerequisite: At least one-half PHY course at university level

Exclusion: HPS311H1

Distribution Requirements: Humanities; Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY324H1 - Practical Physics II

Hours: 72P

A modular practical course that further develops the core experimental and computational skills necessary to do physics. Modules include: experimental skills building, computational tools in data and uncertainty analysis, and independent experimental projects.

Prerequisite: PHY224H1

Exclusion: PHY225H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY331H1 - Introduction to Biological Physics

Hours: 24L/18P

A course for students interested in a deeper understanding of physical phenomena occurring in biological systems. Thermodynamics, diffusion, entropic forces, fluids, biological applications.

Prerequisite: PHY252H1/ CHM222H1/ CHM225Y1, PHY231H1/ PHY250H1/ PHY254H1/ PHY256H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY299Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Science

PHY350H1 - Electromagnetic Theory

Hours: 24L/12T

This course builds upon the knowledge and tools developed in PHY250H1. Topics include: solving Poisson and Laplace equations via method of images and separation of variables, multipole expansion for electrostatics, atomic dipoles and polarizability, polarization in dielectrics, multipole expansion in magnetostatics, magnetic dipoles, magnetization in matter, Maxwell's equations in matter, conservation laws in electrodynamics, and electromagnetic waves.

Prerequisite: MAT223H1/ MAT240H1, MAT244H1/ MAT267H1, MAT235Y1/ MAT237Y1/ MAT257Y1, PHY250H1, PHY254H1

Exclusion: PHY352H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY357H1 - Nuclear and Particle Physics

Hours: 24L/12T

The subatomic particles; nuclei, baryons and mesons, quarks, leptons and bosons; the structure of nuclei and hadronic matter; symmetries and conservation laws; fundamental forces and interactions, electromagnetic, weak, and strong; a selection of other topics: CP violation, nuclear models, standard model, proton decay, supergravity, nuclear and particle astrophysics. This course is not a prerequisite for any PHY400-level course.

Prerequisite: PHY356H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY358H1 - Atoms, Molecules and Solids

Hours: 24L/12T

Quantum theory of atoms, molecules, and solids; variational principle and perturbation theory; hydrogen and helium atoms; exchange and correlation energies; multielectron atoms; simple molecules; bonding and antibonding orbitals; rotation and vibration of molecules; crystal binding; electron in a periodic potential; reciprocal lattice; Bloch's theorem; nearly-free electron model; Kronig-Penney model; energy bands; metals, semiconductors, and insulators; Fermi surfaces.

Prerequisite: PHY356H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY354H1 - Advanced Classical Mechanics

Hours: 24L/12T

Symmetry and conservation laws, stability and instability, generalized coordinates, Hamilton's principle, Hamilton's equations, phase space, Liouville's theorem, canonical transformations, Poisson brackets, Noether's theorem.

Prerequisite: MAT244H1/ MAT267H1, PHY254H1

Exclusion: PHY351H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY356H1 - Quantum Mechanics I

Hours: 24L/12T

The general structure of wave mechanics; eigenfunctions and eigenvalues; operators; orbital angular momentum; spherical harmonics; central potential; separation of variables; hydrogen atom; Dirac notation; operator methods; harmonic oscillator and spin.

Prerequisite: MAT223H1/ MAT240H1, PHY250H1, PHY256H1/ (CHM222H1, CHM223H1)/ CHM225Y1, (PHY256H1 recommended)

Corequisite: MAT244H1/ MAT267H1

Exclusion: CHM326H1, PHY355H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY371Y1 - Supervised Study in Physics

Hours: TBA

An individual study program chosen by the student with the advice of, and under the direction of, a staff member. A student may take advantage of this course either to specialize further in a field of interest or to explore interdisciplinary fields not available in the regular syllabus. Consult the department web pages for some possible topics. This course may also be available in the summer. Not eligible for CR/NCR option.

Prerequisite: Consult the Physics Associate Chair (Undergraduate Studies)

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY372H1 - Supervised Study in Physics**Hours:** TBA

An individual study program chosen by the student with the advice of, and under the direction of, a staff member. A student may take advantage of this course either to specialize further in a field of interest or to explore interdisciplinary fields not available in the regular syllabus. Consult the department web site for some possible topics. This course may also be available in the summer. Not eligible for CR/NCR option.

Prerequisite: Consult the Physics Associate Chair (Undergraduate Studies)

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

JPE395H1 - Physics of the Earth**Hours:** 24L

Designed for students interested in the physics of the Earth and the planets. Study of the Earth as a unified dynamic system; determination of major internal divisions in the planet; development and evolution of the Earth's large scale surface features through plate tectonics; the age and thermal history of the planet; Earth's gravitational field and the concept of isostasy; mantle rheology and convection; Earth tides; geodetic measurement techniques, in particular modern space-based techniques.

Prerequisite: PHY132H1/ PHY152H1/ PHY180H1/ MIE100H1, MAT235Y1/ MAT237Y1/ MAT291H1/ AER210H1, PHY254H1/

PHY293H1/ MAT244H1/ MAT267H1/ MAT290H1/ MAT292H1

Exclusion: PHY359H1, PHY395H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY385H1 - Introductory Optics**Hours:** 24L/20P

An introduction to the physics of light. Topics covered include: electromagnetic waves and propagation of light; the Huygens and Fermat principles; geometrical optics and optical instruments; interference of waves and diffraction; polarization; introduction to photons, lasers, and optical fibers.

Prerequisite: PHY250H1, PHY254H1

Exclusion: ECE318H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY396Y0 - Research Topic Abroad**Hours:** TBA

Course credit for research or field studies abroad under the supervision of a faculty member. Not eligible for CR/NCR option.

Prerequisite: At least 8.5 FCEs and no more than 14.0 FCEs

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY392H1 - Physics of Climate**Hours:** 24L

This course provides an introduction to climate physics and the earth-atmosphere-ocean system. Topics include solar and terrestrial radiation; global energy balance; radiation laws; radiative transfer; atmospheric structure; convection; the meridional structure of the atmosphere; the general circulation of the atmosphere; the ocean and its circulation; and climate variability.

Prerequisite: PHY250H1/ PHY252H1, MAT235Y1/ MAT237Y1/ MAT257Y1

Exclusion: PHY315H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY397Y0 - Exchange Research Project Abroad**Hours:** TBA

Course credit for research or field studies abroad under the supervision of a faculty or staff member from an exchange institution. Consult the Physics Department web pages for information about opportunities. Not eligible for CR/NCR option.

Prerequisite: Consult the Physics Associate Chair (Undergraduate Studies)

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY398H0 - Research Excursions**Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Science**PHY398Y0 - Research Excursions****Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Science**PHY399Y1 - Research Opportunity Program****Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

PHY405H1 - Electronics Lab**Hours:** 12L/36P

Electrical circuits, networks and devices are all-pervasive in the modern world. This laboratory course is an introduction to the world of electronics. Students will learn the joys and perils of electronics, by designing, constructing and debugging circuits and devices. The course will cover topics ranging from filters and operational amplifiers to micro-controllers, and will introduce students to concepts such as impedance, transfer functions, feedback and noise. The course will include lectures, assigned readings, and a final circuit project.

Prerequisite: PHY224H1, PHY250H1. PHY405H1 may be taken in third or fourth year

Exclusion: PHY305H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY407H1 - Computational Physics**Hours:** 12L/36P

This is an introduction to scientific computing in physics. Students will be introduced to computational techniques used in a range of physics research areas. By considering selected physics topics, students will learn computational methods for function analysis, ODEs, PDEs, eigenvalue problems, non-linear equations and Monte Carlo techniques. A physicist's "computational survival toolkit" will also be developed to introduce students to topics such as command line programming, bash scripting, debugging, solution visualization, computational efficiency and accuracy. The course is based on python and will involve working on a set of computational labs throughout the semester as well as a final project.

Prerequisite: PHY224H1/ PHY254H1

Corequisite: Any third or fourth year course in Physics

Exclusion: PHY307H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY408H1 - Time Series Analysis**Hours:** 12L/24P

The analysis of digital sequences; filters; the Fourier Transform; windows; truncation effects; aliasing; auto and cross-correlation; stochastic processes, power spectra; least squares filtering; application to real data series and experimental design.

Prerequisite: PHY407H1/ PHY224H1/ PHY250H1/ PHY254H1/ PHY324H1. PHY408H1 may be taken in third or fourth year

Corequisite: Any third or fourth year lecture course in Physics

Exclusion: PHY308H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY424H1 - Advanced Physics Laboratory**Hours:** 72P

Experiments in this course are designed to form a bridge to current experimental research. A wide range of exciting experiments relevant to modern research in physics is available. The laboratory is open from 9 a.m. - 5 p.m., Monday to Friday.

Prerequisite: PHY250H1, PHY256H1, PHY324H1

Exclusion: PHY326H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY426H1 - Advanced Practical Physics I**Hours:** 72P

This course is a continuation of PHY424H1, but students have more freedom to progressively focus on specific areas of physics, do extended experiments, projects, or computational modules.

Prerequisite: PHY424H1**Distribution Requirements:** Science

Breadth Requirements: The Physical and Mathematical Universes (5)

JPH441H1 - Physical Science in Contemporary Society**Hours:** 24S

Complex nature of the scientific method; connection between theory, concepts and experimental data; insufficiency of reductionism; characteristics of pathological and pseudo-science; public perception and misperception of science; science and public policy; ethical issues; trends in modern science.

Prerequisite: PHY224H1/ PHY250H1/ PHY252H1/ PHY254H1/ PHY256H1/ ENV235H1, or by permission of the instructor.**Exclusion:** PHY341H1**Distribution Requirements:** Humanities

Breadth Requirements: Society and its Institutions (3)

PHY428H1 - Advanced Practical Physics II**Hours:** 72P

This course is a continuation of PHY426H1, but students have more freedom to progressively focus on specific areas of physics, do extended experiments, projects, or computational modules.

Prerequisite: PHY426H1**Distribution Requirements:** Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY450H1 - Relativistic Electrodynamics**Hours:** 24L/12T

An introduction to relativistic electrodynamics. Topics include: special relativity, four-vectors and tensors, relativistic dynamics from the Principle of Stationary Action and Maxwell's equations in Lorentz covariant form. Noether's theorem for fields and the energy-momentum tensor. Fields of moving charges and electromagnetic radiation: retarded potential, Lienard-Wiechert potentials, multipole expansion, radiation reaction.

Prerequisite: PHY350H1**Exclusion:** PHY353H1**Distribution Requirements:** Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY429H1 - Advanced Practical Physics III**Hours:** 72P

This course is a continuation of PHY428H1, but students have more freedom to progressively focus on specific areas of physics, do extended experiments, projects, or computational modules.

Prerequisite: PHY428H1**Distribution Requirements:** Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY452H1 - Statistical Mechanics**Hours:** 24L

Classical and quantum statistical mechanics of noninteracting systems; the statistical basis of thermodynamics; ensembles, partition function; thermodynamic equilibrium; stability and fluctuations; formulation of quantum statistics; theory of simple gases; ideal Bose and Fermi systems.

Prerequisite: PHY252H1, PHY356H1**Exclusion:** PHY480H1**Distribution Requirements:** Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY431H1 - Topics in Biological Physics**Hours:** 24L/12T

An introduction to the physical phenomena involved in the biological processes of living cells and complex systems. Models based on physical principles applied to cellular processes will be developed. Biological computational modeling will be introduced.

Prerequisite: PHY250H1, PHY252H1/ CHM222H1/ CHM225Y1, PHY331H1**Exclusion:** PHY346H1**Distribution Requirements:** Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY454H1 - Continuum Mechanics**Hours:** 24L/12T

The theory of continuous matter, including solid and fluid mechanics. Topics include the continuum approximation, dimensional analysis, stress, strain, the Euler and Navier-Stokes equations, vorticity, waves, instabilities, convection and turbulence.

Prerequisite: PHY254H1, MAT235Y1/ MAT237Y1/ MAT257Y1, APM346H1/ APM351Y1

Exclusion: PHY459H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY471Y1 - Supervised Study in Physics**Hours:** TBA

An individual study program chosen by the student with the advice of, and under the direction of, a staff member. A student may take advantage of this course either to specialize further in a field of interest or to explore interdisciplinary fields not available in the regular syllabus. Consult the department web pages for some possible topics. This course may also be available in the summer. Not eligible for CR/NCR option.

Prerequisite: Consult the Physics Associate Chair (Undergraduate Studies).

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY456H1 - Quantum Mechanics II**Hours:** 24L/12T

Quantum dynamics in Heisenberg and Schrödinger pictures; WKB approximation; variational method; time-independent perturbation theory; spin; addition of angular momentum; time-dependent perturbation theory; scattering.

Prerequisite: PHY356H1

Exclusion: PHY457H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY472H1 - Supervised Study in Physics**Hours:** TBA

An individual study program chosen by the student with the advice of, and under the direction of, a staff member. A student may take advantage of this course either to specialize further in a field of interest or to explore interdisciplinary fields not available in the regular syllabus. Consult the department web pages for some possible topics. This course may also be available in the summer. Not eligible for CR/NCR option.

Prerequisite: Consult the Physics Associate Chair (Undergraduate Studies).

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY460H1 - Nonlinear Physics**Hours:** 36L

The theory of nonlinear dynamical systems with applications to many areas of physics. Topics include stability, bifurcations, chaos, universality, maps, strange attractors and fractals. Geometric, analytical and computational methods will be developed.

Prerequisite: PHY354H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY478H1 - Undergraduate Research Project**Hours:** TBA

An individual experimental or theoretical research project undertaken with the advice of, and under the direction of, a staff member. A student may take advantage of this course either to specialize further in a field of interest or to explore independent research. Consult the department web site for some possible topics. This course may also be available in the summer. Not eligible for CR/NCR option.

Prerequisite: Consult the Physics Associate Chair (Undergraduate Studies)

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY479Y1 - Undergraduate Research Project**Hours:** TBA

An individual experimental or theoretical research project undertaken with the advice of, and under the direction of, a faculty member. A student may take advantage of this course either to specialize further in a field of interest or to explore independent research. Consult the department web site for possible topics. This course may also be available in the summer. Not eligible for CR/NCR option.

Prerequisite: Consult the Physics Associate Chair (Undergraduate Studies)

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY485H1 - Laser Physics**Hours:** 24L

This course, which is intended to be an introduction to research in optical sciences, covers the statistics of optical fields and the physics of lasers. Topics include the principles of laser action, laser cavities, properties of laser radiation and its propagation, the diffraction of light, and spatial and temporal coherence.

Prerequisite: PHY350H1, PHY356H1, PHY385H1/ ECE318H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY487H1 - Condensed Matter Physics**Hours:** 24L

Introduction to foundational concepts of condensed matter physics in the solid state. Main topics to be covered: crystal structure, reciprocal lattice, x-ray diffraction, crystal binding, lattice vibrations, phonons and electrons in solids, Fermi surfaces, energy bands, semiconductors and magnetism. Special topics to be surveyed: superconductivity and nanoelectronic transport.

Prerequisite: PHY250H1, PHY252H1, PHY356H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY483H1 - Relativity Theory I**Hours:** 24L

Basis of Einstein's theory: differential geometry, tensor analysis, gravitational physics leading to General Relativity. Theory starting from solutions of Schwarzschild, Kerr, etc.

Prerequisite: PHY350H1, PHY354H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY484H1 - Relativity Theory II**Hours:** 24L

Applications of General Relativity to Astrophysics and Cosmology. Introduction to black holes, large-scale structure of the universe.

Prerequisite: PHY483H1

Recommended Preparation: APM346H1/ APM351Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY489H1 - Introduction to High Energy Physics**Hours:** 24L

This course introduces the basics of fundamental particles and the strong, weak and electromagnetic forces that govern their interactions in the Standard Model of particle physics. Topics include relativistic kinematics, conservation laws, particle decays and scattering processes, with an emphasis on the techniques used for calculating experimental observables.

Prerequisite: PHY354H1, PHY356H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY491H1 - Current Interpretations of Quantum Mechanics

Hours: 24L/24T

Review of conventional, textbook quantum mechanics. Formal measurement theory and wave function collapse; quantum states and nonseparability, violation of local causality; Bell theorems; quantum tricks; decoherence and the emergence of classical behaviour. Hidden variables; deBroglie-Bohm theory and generalizations; many-worlds interpretation and other theories of beables. Consistent histories approach of Omnes and Gell-Mann and Hartle; nature of True and Reliable statements.

Prerequisite: PHY456H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY494H1 - Geophysical Imaging: EM and Potential Fields

Hours: 24L

How to investigate Earth structure at depths ranging from metres to tens of kilometres using gravity, magnetic, electrical, electromagnetic and nuclear geophysical methods. Current methodologies and the theoretical basis for them are presented.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PHY492H1 - Advanced Atmospheric Physics

Hours: 24L

A preparatory course for research in experimental and theoretical atmospheric physics. Content will vary from year to year. Themes may include techniques for remote sensing of the Earth's atmosphere and surface; theoretical atmosphere-ocean dynamics; the physics of clouds, precipitation, and convection in the Earth's atmosphere.

Prerequisite: PHY250H1, MAT237Y1/ MAT257Y1

Exclusion: PHY498H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

JPE493H1 - Seismology

Hours: 24L

Why do earthquakes occur and how are they related to tectonic motion of the Earth's surface? What is the physics behind the propagation of seismic waves through the Earth, and how can it be used to determine the internal structures of the Earth? This introductory course is aimed at understanding the physics behind seismic wave propagation, as well as asymptotic and numerical solutions to the elastodynamic equation. Travel time and amplitude of seismic waves are discussed based on seismic ray theory, while numerical methods are introduced to obtain accurate solutions to more complex velocity structures. Seismic tomographic methods, including their applications to hydrocarbon reservoir imaging, are also covered.

Prerequisite: JPE395H1, APM346H1/ APM351Y1/ MAT351Y1

Exclusion: PHY493H1

Recommended Preparation: ESS345H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

Physiology

Faculty List

Professors Emeriti

U. Ackermann, PhD
 H.L. Atwood, PhD, DSc, FRSC
 P. Backx, PhD
 A. Buchan, PhD
 J.R.G. Challis, PhD, DSc, FIBiol, FRCOG, FRSC
 M.P. Charlton, PhD
 J. Dostrovsky, PhD
 J. Duffin, PhD
 P.E. Hallett, MD
 A.A. Horner, PhD
 D.R. McLachlan, MD, FRCP(C)
 K. Norwich, MD, PhD
 M. Percy, PhD
 C. Perumalla, PhD
 M. Radomski, PhD
 L. Schlichter
 H. Sonnenberg, PhD
 A.M-F. Sun, PhD
 M. Vranic, MD, DSc, FRCP(C), FRSC
 J.M. Wojtowicz, PhD

Professor and Chair of the Department

G.L. Collingridge, FRS, FMedSci, FSB, FBPhS

Professors

K. Adeli, PhD, FCACB, DABCC, FACB
 G.H. Anderson, PhD
 D. Bagli, MDCM, FRCSC, FAAP, FACS
 C. Barr, PhD
 C.E. Bear, PhD
 J. Belik, MD, FRCP(C)
 D. Belsham, PhD
 A. Bocking, MD, FRCS(C)
 S.-S. Bolz, MD, PhD
 R. Boonstra, PhD
 T.J. Brown, PhD
 P.L. Brubaker, PhD
 I. Caniggia, MD, PhD
 P.L. Carlen, MD, FRCP(C)
 R.F. Casper, MD, FRCS(C)
 J. Eubanks, PhD
 I.G. Fantus, MD, FRCP(C)
 Z.P. Feng, MD, PhD
 J. Fisher, MD, FRCP(C)
 H.Y. Gaisano, MD
 A. Gramolini, PhD
 A. Giacca, MD
 G. Hare, MD, PhD, FRCP(C)
 R.V. Harrison, BSc, PhD
 R. Horner, PhD
 M. Husain, MD, FRCP(C)
 W. Hutchison, PhD
 Z. Jia, PhD
 T. Jin, MD, PhD
 N. Jones, MD, PhD, FRCP(C)
 B. Kavanagh, BSc, FRCP(C)
 J. Kingdom, MD, FRCSC, MRCP, FRCOG
 A. Klip, PhD
 W.M. Kuebler, MD
 J. Laffey, MD, MA, FCARCSI
 T.K.T. Lam, PhD
 R. Levitan, MD, FRCPC, MSc
 G. Lewis, MBBCH, FRCP(C)
 R.K. Li, MD, PhD, FCAHS
 F. Liu, PhD

M. Liu, MD, MSc
 S.J. Lye, BSc, PhD
 R.L. Macdonald, MD, PhD, FRCS(C)
 S. G. Matthews, PhD
 C.D. Mazer, MD, FRCP(C)
 A. McGahan, PhD
 P. McNamara, MRCP
 F. Miller, PhD, FRSC
 H. Ni, MD, PhD
 B. Orser, MD, PhD
 M. Palmert, MD, PhD
 Z. Pausova, MD
 J. Peever, PhD
 M. Post, DVM, PhD
 N.D. Rosenblum, MD
 M.W. Salter, MD, PhD, FRSC
 J.W. Scholey, MD, FRCP(C)
 Z. Seltzer, DMD
 B.J. Sessle, MDS, PhD
 F. Skinner, MA, Sc, PhD
 S. Sugita, MA, PhD
 S. Thomas, PhD
 W.S. Trimble, PhD
 D. Tweed, PhD
 M. Tymianski, MD, PhD, FRCS(C)
 L.-Y. Wang, PhD
 M. Wheeler, PhD
 C. Wittnich, DVM, MSc
 H. Zhang, MD, PhD
 M. Zhen, PhD
 M. Zhuo, PhD

Associate Professors

V. S. Chauhan, MD, FRCPC
 D. Cherney, MD, PhD, FRCPC
 K. Connelly, PhD, MBBS, FRACP
 B. Cox, PhD
 C. Dos Santos, MD, FRCPC
 N. Ferguson, MD, FRCPC
 P. Frankland, PhD
 M. Gollob, MD, FRCPC
 S. Heximer, PhD
 S. Josselyn, PhD
 A. Jurisicova, PhD
 E.K. Lambe, PhD
 C. Librach, MD, FRCS(C)
 J. Min, PhD
 P.P. Monnier, PhD, MBA
 H. Mount, PhD
 D. Ng, PhD, MD, FRCP(C)
 S. Prescott, MD, PhD
 I. Rogers, PhD
 P. Subbarao, MD
 H.S. Sun, MD, PhD
 N. Sweezey, MD
 V. Watt, PhD

Assistant Professors

K. Banks, DVM, MSc
 F. Billia, MD, PhD
 P. McGowan, PhD
 C. Nostro, PhD
 C. O'Brien, MD, PhD
 A. Ramsey, PhD
 J.V. Rocheleau, PhD
 M. Seed, MBBS, MRCPH, FRCR
 O. Shynlova, PhD
 A. Velumian, PhD
 X.-Y. Wen, MD, PhD
 A. Wheeler, PhD

Associate Professors, Teaching Stream

M. French, PhD
 N. Kee, PhD
 H. Miliotis, PhD

Introduction

Physiology is the study of living matter in action. It integrates physical and life science disciplines in order to understand body functions and the origins of disease. Beyond the study of control mechanisms, compensations, and cooperation among body molecules, cells, tissues and organs, the interaction between the body's external and internal environments is a key theme in Physiology. Most importantly, Physiology unifies the life sciences from molecule to organism, providing the link from genomics and molecular signaling pathways to behaviour and disease. Emerging fields for physiologists are the analysis of the functional implications of genomic sequence variation, developmental factors leading to chronic illness, and novel approaches for regenerative medicine.

Biological function -- of molecules, cells, and organs -- is at the heart of Physiology, and this knowledge is fundamental to the life sciences in general. Accordingly, Physiology provides an excellent and often necessary background for subsequent training in Medicine, Dentistry, Pharmacy, Nursing, Physical or Occupational Therapy, and other health-related professions. It is also excellent preparation for graduate work in Physiology and related areas; or for the teaching of Biological Science in secondary schools. Physiologists are needed in hospitals and departments of medicine as teachers and research personnel. Other outlets would be in agriculture and veterinary medicine, in military research establishments and in life science-based industry. The development of air and space travel, the exploration of the continental shelf, the development of Northern regions, and increased emphasis on exercise and fitness, all provide business and research opportunities for the person trained in Physiology.

Physiology at the research level covers a variety of specialties (e.g. Endocrinology, Cardiovascular Physiology, Neurophysiology, Respiratory Physiology, Reproductive Physiology, Sensory Physiology), each with a wide variety of technical and analytical methods. More information is available on the departmental website (www.physiology.utoronto.ca).

Undergraduate Coordinator: Dr. N. Kee, Medical Sciences Building, Room 3368 (416-978-6379)

Undergraduate Assistant: Eva Eng, Medical Sciences Building, Room 3209, eva.eng@utoronto.ca, (416-978-5077)

Physiology Programs

Physiology Specialist (Science Program) - ASSPE0482

Enrolment Requirements:

The Physiology Specialist program is a Type 3 program. Only students with an average of at least 70% in the required first-year courses and a minimum of 60% in each of these courses will be considered for entrance into the specialist program. Enrolment is limited and selection is based on performance in the following first-year required courses: BIO130H1, (CHM135H1, CHM136H1) or

their equivalents, and 1.5 full course equivalents from: BIO120H1, MAT135H1, MAT136H1, MAT137Y1, MAT157Y1, PHY131H1, PHY132H1, PHY151H1, PHY152H1. Students apply via the Faculty's Program Enrolment website. See the Arts & Science Program Enrolment website for application procedures. For more information, refer to the Physiology website at www.physiology.utoronto.ca.

Completion Requirements:

(14 full courses or their equivalent)

First Year:

BIO120H1, BIO130H1; (CHM135H1, CHM136H1)/ CHM151Y1; (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

First Year or Upper Years:

(MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1*

Second Year:

1. 2.5 full course equivalents from BCH210H1; BIO230H1/BIO255H1; CHM220H1/ CHM247H1/ CHM249H1; PSL300H1, PSL301H1

2. 1.5 full course equivalents from BIO220H1, BIO260H1/HMB265H1; MAT235Y1, PHY231H1, PSL299Y1/ PSL399Y1, STA220H1/ STA250H1

Third Year:

1. 3 full course equivalents from BCH370H1; PSL304H1, PSL305H1, PSL350H1/ CSB349H1/ BCH311H1, PSL372H1, PSL374H1

2. 1 full course equivalent from the following list: ANA300Y1, ANA301H1; BME498Y1; CSB325H1, CSB332H/ CJH332H1, CSB343H1, CSB345H1/ CSB445H1, CSB346H1, CSB347H1; IMM340H1/ IMM341H1, IMM350H1/ IMM351H1; JPM300H1; PCL201H1, PCL285H, PCL302H1; PHY331H1, PSL310H1; PSL378H1/ PSL379H1; PSL398H1; PSY397H1

Fourth Year: (at least 2 FCEs at 400-level)

1. PSL496Y1/ PSL497H1/ PSL498Y1/ PSL499H1/ JPM400Y1

2. 1-1.5 full course equivalents from PSL400-series or HMB430H1/ HMB470H1/ HMB472H1

* These courses may be taken in the first year or subsequent years, and are not required for entrance into the specialist program.

Physiology Major (Science Program) - ASMAJ0482

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's marks in the 3.0 FCE required first-year courses:

BIO120H1, BIO130H1, (CHM135H1, CHM136H1)/ CHM151Y1, and 1.0 FCE from any of the following: MAT135H1, MAT136H1, MAT137Y1, MAT157Y1, PHY131H1, PHY132H1, PHY151H1, PHY152H1 with an average of at least 70% on these 3.0 full-course equivalents (FCEs) and a final mark of at least 60% in each course.

While it is difficult to predict what will be competitive course marks and average in a given year, based on previous years, the estimate is: course marks = mid 70s; average = mid 70s.

Achieving these estimated marks does not guarantee admission to the program in any given year.

Note: Students must apply to this program on the Arts & Science Faculty Registrar's Office website (see the [Arts & Science Program Enrolment website](#) for application procedures).

Completion Requirements:

(8 full courses or their equivalent, including 0.5 FCE at the 400-level)

First Year:

1. 2 full course equivalents from ([BIO120H1](#), [BIO130H1](#))/[BIO150Y](#); ([CHM135H1](#), [CHM136H1](#))/[CHM151Y1](#)
2. 1 full course equivalent from any of the following: [MAT135H1](#), [MAT136H1](#), [MAT137Y1](#), [MAT157Y1](#), [PHY131H1](#), [PHY132H1](#), [PHY151H1](#), [PHY152H1](#)

Second Year:

- 2 full course equivalents from [BCH210H1](#); [BIO230H1](#)/ [BIO255H1](#); [PSL300H1](#), [PSL301H1](#)

Higher Years:

1. 1 full course equivalent from [PSL372H1](#), [PSL350H1](#)/ [BCH311H1](#)/[CSB349H1](#)
2. 1 full course equivalent from [ANA300Y1](#), [ANA301H1](#); [CSB325H1](#), [CSB330H1](#), [CSB332H](#)/[CJH332H1](#), [CSB343H1](#), [CSB345H1](#)/[CSB445H1](#), [CSB346H1](#), [CSB347H1](#); [IMM340H1](#)/[IMM341H1](#), [IMM350H1](#)/[IMM351H1](#); [JPM300H1](#); [NFS284H1](#); [PCL201H1](#), [PCL285H](#), [PCL302H1](#); [PSY201H1](#); [PSY397H1](#); [STA220H1](#)
3. 1 full course equivalent from [HMB430H1](#)/[HMB470H1](#)/[HMB472H1](#); [JPM400Y1](#); [PSL304H1](#), [PSL305H1](#), [PSL310H1](#), [PSL374H1](#), [PSL378H1](#)/[PSL379H1](#)/[PSL379H0](#)/[PSL398H0](#), [PSL399Y1](#), [PSL400-series courses](#)

Physiology Minor (Science Program) - ASMIN0482

Completion Requirements:

(4 full courses or their equivalent; one 300+ level FCE must be included in the program)

1. 2 full course equivalents from: ([BIO120H1](#), [BIO130H1](#)); [PSL201Y1](#)/[PSL300H1](#), [PSL301H1](#))
2. 2 full course equivalents from: [BIO251H1](#), [BIO270H1](#), [BIO271H1](#); [CSB325H1](#), [CSB332H](#)/[CJH332H1](#), [CSB343H1](#), [CSB344H](#), [CSB345H1](#)/[CSB445H1](#), [CSB346H1](#), [CSB347H](#); [EEB328H1](#); [HMB200H1](#)/[HMB220H](#), [HMB430H1](#), [HMB470H1](#), [HMB472H1](#); [PSL280H1](#), [PSL299Y1](#), [PSL300-series \(excluding PSL300H1, PSL301H1\)](#), [PSL400-series](#); [PSY290H1](#), [PSY396H1](#), [PSY397H1](#), [PSY369H1](#)/[PSY399H](#), [PSY490H1](#), [PSY492H1](#), [PSY494H1](#), [PSY497H1](#)

Biological Physics: see [Physics](#)

Physiology Courses

PSL190H1 - Biomedical Research at the Cutting Edge

Hours: 24L/6S

Explore the thought processes, logic, motivation, techniques, analysis and impact of recent high-profile publications to gain insight into the enterprise of science. Outstanding scientists present recent high-impact papers, and students will examine the research in depth, focusing on the underlying questions, experimental approach, results and significance. Restricted to first-year students. Not available for CR/NCR option.

Prerequisite: SBI4U and SCH4U (Grade 12 University Preparation Biology and Chemistry); permission of Department

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSL201Y1 - Basic Human Physiology

Hours: 48L

A survey course intended for students who are not proceeding further in Physiology.

Exclusion: Any 300-level PSL course taken previously or concurrently

Recommended Preparation: 100-level course in BIO or equivalent

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSL280H1 - Introduction to Physiologic Adaptations of Marine Mammals

Hours: 24L/14P

Systems approach to physiology of marine mammals in their aquatic environment. Highlights unique features of cardiovascular, respiratory, renal, urinary, and reproductive systems. Introduces relevant physiology, and makes comparisons to human condition and disease.

Prerequisite: ([BIO120H1](#), [BIO130H1](#)), [CHM136H1](#)/[CHM138H1](#)/[CHM151Y1](#) or permission of the course coordinator.

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSL299Y1 - Research Opportunity Program**Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Science**JPM300H1 - Research Readiness and Advancing Biomedical Discoveries****Hours:** 12L/24T

Explore how scientists leverage their knowledge and skills to advance academic biomedical discoveries from the laboratory to improve patient health through either commercialization or not-for-profit approaches. Students will learn about innovation and develop key research and industry skills including intellectual property, ethics, budget and project management; learn how to critically evaluate scientific evidence and effectively communicate to a wide audience. This hybrid student-centered course will include interactive online modules and in-class group work. Course work will focus on developing skills and knowledge to help you be successful in diverse research courses and future careers. Not eligible for CR/NCR.

Prerequisite: 10.0 FCE completed; BCH210H1/ BCH242Y1**Recommended Preparation:** PSL300H1, PSL301H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**PSL301H1 - Human Physiology II****Hours:** 36L/4T

Principles of respiratory, cardiovascular, gastrointestinal, and renal physiology for students enroled in Life Science programs.

Exclusion: PSL201Y1, PSL302Y1

Recommended Preparation: BIO130H1; CHM136H1/ CHM138H1/ CHM151Y1; and 1 FCE from any of the following: MAT135H1, MAT136H1, MAT137Y1, MAT157Y1, PHY131H1, PHY132H, PHY151H1, PHY152H1

Distribution Requirements: Science**Breadth Requirements:** Living Things and Their Environment (4)**PSL304H1 - Topics in Cellular, Molecular and Organismic Physiology I****Hours:** 32L/16T

Control systems, feedback, networks, and both neonatal and adult cardiovascular and respiratory control are the topics examined in detail using homeostasis as a unifying theme. Tutorials involve computer simulations, case studies and/or experimental design. This course is designed for students in the Physiology Specialist and Biological Physics Specialist Programs, although permission is granted to students in other programs upon approval by the Department.

Prerequisite: BCH210H1, PSL300H1, PSL301H1, MAT100-series**Exclusion:** PSL303Y1**Recommended Preparation:** PSL372H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**PSL300H1 - Human Physiology I****Hours:** 36L/5T

Principles of neurophysiology, endocrinology and reproductive physiology for students enroled in Life Science programs.

Exclusion: PSL201Y1, PSL302Y1

Recommended Preparation: BIO130H1; CHM136H1/ CHM138H1/ CHM151Y1; and 1 FCE from any of the following: MAT135H1, MAT136H1, MAT137Y1, MAT157Y1, PHY131H1, PHY132H, PHY151H1, PHY152H1

Distribution Requirements: Science**Breadth Requirements:** Living Things and Their Environment (4)**PSL305H1 - Topics in Cellular, Molecular and Organismic Physiology II****Hours:** 32L/16T

Molecular, cellular and organismic physiology of the central nervous system, gut, pancreas and glucose-sensing tissues; CNS diseases, obesity and diabetes are used as model systems. Tutorials involve computer simulations. This course is designed for students in the Physiology Specialist and Biological Physics Specialist Programs, although permission is granted to students in other programs upon approval by the Department.

Prerequisite: BCH210H1, PSL300H1, PSL301H1, MAT100-series**Exclusion:** PSL303Y1**Recommended Preparation:** PSL372H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)

PSL310H1 - Clinical Reasoning

Hours: 24L/12S

Improved clinical reasoning will reduce the current likelihood that most people will suffer at least one medical diagnostic error, errors that contribute to ~10% of patient deaths. Learn to apply strategies of critical thinking and principles of physiology to solve clinical cases. Shadow a healthcare professional. Not eligible for CR/NCR option.

Prerequisite: BCH210H1, BIO230H1/ BIO255H1, PSL300H1, PSL372H1, PSL301H1

Corequisite: PSL301H1

Exclusion: HMB322H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSL374H1 - Advanced Physiology Laboratory

Hours: 12L/36P/12S

A problem-based laboratory course focused on the integration and control of organ systems to understand body functions. Enrollment in this course is restricted to students in the Physiology Specialist and Major Programs although permission is granted to students in other programs upon approval by the Department.

Prerequisite: BIO230H1/(BIO240H1, BIO241H1)/ BIO255H1, PSL300H1, PSL301H1, PSL372H1

Exclusion: CSB348H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSL350H1 - Mammalian Molecular Biology

Hours: 18L/12T/6S

Extend molecular biology concepts to current scientific literature in mammalian physiology. Apply these principles to disease and complex behaviours. Discuss bioethical issues raised by these techniques and their application. Benefit from three weeks in small group seminars lead by research professors focusing on current advances in mammalian molecular biology.

Prerequisite: BIO230H1/ BIO255H1, PSL300H1, BCH210H1

Corequisite: PSL301H1

Exclusion: BCH311H1/ BIO349H1/ CSB349H1/ MGY311Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSL378H1 - Field Physiology: Marine Mammal Autopsy

Hours: 12L/24T/36P

An opportunity to go outside of the traditional university classroom and actively participate in a marine mammal autopsy. Learn the diversity and adaptive nature of marine mammalian physiology/anatomy as it compares to human. The course is 2 weeks (in May), one week of hands-on tissue dissection, and one week of group discussions of the findings and draft report preparation. Not eligible for CR/NCR option.

Prerequisite: BIO270H1, BIO271H1/ PSL201Y1/ PSL280H1/

PSL300H1, PSL301H1 or permission of the course coordinator

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSL372H1 - Mammalian Physiology Laboratory

Hours: 12L/36P

A laboratory course covering selected topics in physiology.

Prerequisite: BIO230H1/(BIO240H1, BIO241H1)/ BIO255H1, BCH210H1/ BCH242Y1, MAT100-series/PHY100-series, PSL300H1, PSL301H

Corequisite: BCH370H1 (recommended)

Exclusion: CSB348H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSL379H0 - Comparative Marine Mammal Physiology in the Field

Hours: 24T/36P

Hands-on monitoring of physiological measures with live dolphins, manatee and sea lions; field observations and applied learning to a physiology project. Two-weeks at the end of April early May: 1st week at marine research center in Mexico, 2nd week of wrap-up discussion and integration of data at U of T. Not eligible for CR/NCR option.

Prerequisite: BIO220H1/ BIO230H1/ BIO270H1/ BIO271H1/ CSB343H1/ PSL280H1/ PSL201Y1/ PSL300H1/ PSL301H1/ PSY362H1/any other relevant course

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSL398H0 - Research Excursions**Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Science**PSL404H1 - Regenerative Medicine****Hours:** 24L/12T

Regenerative medicine promises to restore body function that has been lost due to disease, damage or age. Students will explore selected molecular, stem cell and tissue engineering developments to better understand how the body normally functions and how cells, tissues, and organs can be repaired or replaced.

Prerequisite: PSL300H1, PSL301H1**Recommended Preparation:** PSL350H1/ BCH311H1/ CSB349H1/ MGY311Y1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**PSL399Y1 - Research Opportunity Program****Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

JPM400Y1 - Biomedical Incubator Capstone Project**Hours:** 24P/16S

Discover what it is like to be part of a biomedical innovation team. Develop and engage in biomedical research in a simulated small business/incubator setting under the guidance of a faculty mentor. Bring your proposed JPM300H1 project to life, while acquiring budget management, research, business and communication workplace skills for future careers. Enrolment is application-based. Proposals will be reviewed by committee and successful proposals will be matched to a mentor. Not eligible for CR/NCR option.

Students will form teams and develop a research proposal based on either:

1. Faculty led concept requiring further development and testing, which would not normally be funded grants and would be tangential to ongoing research in the lab.

2. Student developed innovative idea that requires further development and testing. This should be a project that is not being investigated in a UofT research lab.

Prerequisite: A minimum of 75% in JPM300H1; completion of any of PCL367H1/ PCL368H1/ PSL372H1/ BCH370H1/ BCH377H1. Application required; see department for more information.

Distribution Requirements: Science**Breadth Requirements:** Living Things and Their Environment (4)**PSL420H1 - Reproduction: Development and Function****Hours:** 24L

This course provides an in-depth review of the development and function of the male and female reproductive systems. Topics include sex determination and differentiation, steroidogenesis, gametogenesis, hormonal control of the reproductive axis, the female ovulatory cycle, fertilization and implantation, infertility and assisted reproduction approaches.

Prerequisite: PSL300H1, PSL301H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**PSL421H1 - Pregnancy and Birth: From Implantation to Newborn Life****Hours:** 24L

General overview of the integrated physiological events associated with fetal development, pregnancy and birth. The approach emphasizes physiological processes using insights gained from studies of humans, animals, cells and genes. Where appropriate the clinical consequences of aberrant development are reviewed.

Prerequisite: PSL300H1, PSL301H1**Recommended Preparation:** PSL420H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)

PSL424H1 - Cellular and Molecular Basis of Endocrine Disorders

Hours: 24S

Explore how researchers uncover the molecular and cellular basis of endocrine disorders. Learn about experimental design, state-of-the-art research tools, and data interpretation. Topics include disorders in: hormone regulation, secretion and action; circadian rhythms; and sexual development and reproduction. Each week students engage in class discussion related to research seminars delivered by faculty.

Prerequisite: PSL300H1, PSL301H1, PSL350H1/ BCH311H1/ CSB349H1/ MGY311Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSL440Y1 - Neuroscience: Systems and Behaviour

Hours: 96L

Introduction to systems neuroscience. A review of basic neuroanatomy and physiology followed by in-depth study of selected sensory and motor systems, with an emphasis on clinical applications in the second term. Students with an elementary neuroscience background progress to reading neuroscience literature on their own.

Prerequisite: PSL300H1/ PSY290H1/ CSB332H1 or equivalent

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSL425H1 - Integrative Metabolism and its Endocrine Regulation

Hours: 24L

This course integrates the newest findings and experimental approaches from cellular and molecular biology into metabolic function at the tissue, organ and whole body level.

Prerequisite: BCH210H1, PSL300H1, PSL301H1

Recommended Preparation: PSL305H1/ PSL303Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSL445H1 - Neuroscience: Cellular and Molecular

Previous Course Number: PSL444Y1

Hours: 36L

Overview of the fundamentals of cellular and molecular aspects of brain function. Course material is updated yearly to reflect the rapid evolution of ideas in Neuroscience.

Prerequisite: PSL300H1, PSL301H1, CJH332H1 or permission of instructor

Exclusion: PSL444Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSL432H1 - Theoretical Physiology

Hours: 24L

Theoretical treatment of neurophysiology. Mathematical modeling and analysis of neurophysiological systems.

Prerequisite: MAT235Y1/ MAT237Y1; APM346H1/ MAT244H1

Recommended Preparation: PHY200-series; PSL201Y1/ PSL300H1/ (BIO270H1, BIO271H1)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSL446H1 - Neural Disorders

Previous Course Number: PSL444Y1

Hours: 36L

Explore topics in neurological disorders and treatments to reinforce and expand your knowledge of cellular and molecular neurophysiology. Course material is updated yearly to reflect the rapid evolution of ideas in this area.

Prerequisite: PSL300H1, PSL301H1, CJH332H1 or permission of instructor

Exclusion: PSL444Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSL450H1 - Mechanisms of Neural and Endocrinial Secretion

Hours: 24L

Exocytosis and other aspects of secretion mainly in neurons and neuroendocrine cells, but also in pancreatic cells. Topics include synapse anatomy and physiology, synaptic plasma membrane and vesicle proteins, membrane fusion, genetic tools, endocrine secretion, plasticity in neurotransmitter release, diseases arising from secretion defects.

Prerequisite: BCH210H1, PSL300H1/(BIO240H1, BIO241H1), PSL350H1/ CSB349H1/ BCH311H1/ MGY311Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSL452H1 - Membrane Physiology

Hours: 24L

Biophysics and molecular biology of ion channels. Topics include equivalent circuits for cells, molecular structure of voltage-gated channels, distribution of channels, relationship between single-channel and whole-cell recording, and regulation of channel function by voltage, phosphorylation, G-proteins and metabolites.

Prerequisite: PSL300H1, PSL301H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSL462H1 - Molecular Aspects of Cardiovascular Function

Hours: 36L

Heart anatomy and development, ion channels and contractile proteins involved in cardiac and smooth muscle contraction are studied. Emphasis is on regulation of electrical and contractile function of kinases, metabolism, volume and ions.

Prerequisite: PSL300H1, PSL301H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSL470H1 - Cardiovascular Physiology

Hours: 24L

Development of the cardiovascular system from conception to adulthood with particular emphasis on maturational changes, age-related differences and developmental problems from cellular/molecular to whole organ/system.

Prerequisite: PSL300H1, PSL301H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSL472H1 - Sleep Physiology and Chronobiology

Hours: 24L

This course covers the physiology underlying sleep and circadian rhythms, and their impact on important physiological processes and health. The integrative nature of the basic physiological processes is emphasized via discussions and clinical presentations. Overall, the aim is to present the full spectrum of integrative physiology from molecules and cells to understanding the sick patient.

Prerequisite: PSL300H1, PSL301H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSL480H1 - Diving Physiology of Marine Mammals

Hours: 24L/6T

This course compares and contrasts the physiological and anatomical adaptations exhibited by the different species of marine mammals in relationship to humans, with respect to diving.

Prerequisite: (BIO270H1, BIO271H1)/ PSL201Y1/ PSL300H1, PSL301H1; PSL280H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSL495H1 - Communicate Biomedical Science

Hours: 6L/2T/18S

Research, critique and write a manuscript on a topic of your choice in the scientific literature while guided by classes and assignments that develop advanced science communication skills; and by a mentor expert in your area of clinical or basic physiology.

Prerequisite: PSL300H1; PSL301H1; PSL372H1; 13.5 additional credits; and permission of Department

Exclusion: BCH479H1; HMB490H1; HMB491H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSL498Y1 - Project in Physiology

Hours: 144P

Laboratory research project with reading assignments leading to a final report. By special arrangement with a Physiology staff member after admission to course. PSL498Y1 is recommended for students applying to the Physiology graduate program. Enrollment in this course is restricted to students in the Physiology Specialist and Major Programs, although permission is granted to students in other programs upon approval by the Department. Not eligible for CR/NCR option.

Prerequisite: (PSL304H1, PSL305H1)/ PSL303Y1, PSL372H1, PSL374H1, permission of Department

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSL496Y1 - Translational Physiology Research Project

Hours: 144P

Engage in supervised original science research, either basic or clinical, combined with a healthcare placement. Develop skills in defining scientific questions, designing experiments, analyzing data, and communicating your results. Gain insight into the power of translational bench-to-bedside research. Discover your interest in becoming a science researcher. Not eligible for CR/NCR option.

Prerequisite: PSL300H1, PSL301H1, PSL310H1, PSL372H1, permission of Department.

Exclusion: PSL497H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSL499H1 - Project in Physiology

Hours: 72P

Laboratory research project with reading assignments leading to a final report. By special arrangement with a Physiology staff member after admission to course. PSL499H1 is recommended for students applying to the Physiology graduate program. Enrollment in this course is restricted to students in the Physiology Specialist and Major Programs, although permission is granted to students in other programs upon approval by the Department. Not eligible for CR/NCR option.

Prerequisite: (PSL304H1, PSL305H1)/ PSL303Y1, PSL372H1, PSL374H1, permission of Department

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSL497H1 - Translational Physiology Research Project

Hours: 72P

Engage in original science research, either basic or clinical, combined with a healthcare placement. Develop skills in defining scientific questions, designing experiments, analyzing data, and communicating your results. Gain insight into the power of translational "bench-to-bedside" research. Discover your interest in becoming a science researcher. Not eligible for CR/NCR option.

Prerequisite: PSL300H1, PSL301H1, PSL310H1, PSL372H1, permission of Department.

Exclusion: PSL496Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

Planetary Science

Planetary Science Programs

Planetary Science Specialist (Science Program) - ASSPE1073

Completion Requirements:

One 300+-level FCE must be included in the program.

(14 full courses or equivalent, including at least one 400+series FCE)

First Year:

(CHM135H1, CHM136H1)/ CHM151Y1; (MAT135H1, MAT136H1)/
MAT137Y1; (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)
(MAT137Y1 and PHY151H1, PHY152H1 preferred)

First or Second Year:

MAT223H1/ MAT240H1

Second or Third Year:

AST221H1, AST222H1; (CHM222H1, CHM223H1)/(PHY252H1,
PHY256H1); CHM238Y1; ESS223H1, ESS261H1, ESS262H1;
MAT235Y1/ MAT237Y1 (MAT237Y1 preferred); MAT244H1/
MAT267H1; PHY250H1, PHY254H1

Third and/or Fourth Years:

JPE395H1;

At least four of (2.0 FCE) AST325H1; CHM327H1, CHM338H1;
PHY354H1, PHY407H1, PHY408H1; GGR201H1; ESS223H1,
ESS241H1, ESS445H1, ESS462H1;

Fourth Year:

PLN420H1, PLN425H1

PLN425H1 - Research in Planetary Science

Hours: 120P

Research report by student in consultation with individual staff member in Astronomy, Chemistry, Geology or Physics. This course is intended for students in the final year of the Planetary Science specialist program. Students must enrol with the course coordinator. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

Planetary Science Courses

PLN420H1 - Interdisciplinary Seminar in Planetary Science

Hours: 24S

Discussion of topics of current interest in planetary science with emphasis on papers published in scientific journals. This course is intended for students in the final year of the Planetary Science specialist program. Students must enrol with the course coordinator.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

Political Science

Faculty List

University Professor Emeritus

P.H. Russell, DSc, MA, LLD, FRSC, OC (I, T)

University Professor

J.G. Stein, MA, PhD, LLD, FRSC, OC, OOnt (U)

Professors Emeriti

† E.G. Andrew, BA, PhD
 J.S. Barker, MA, PhD (N)
 M. Brownstone, MS, DPA, LLD (U)
 † A.S. Brudner, LLB, MA, PhD, FRSC
 † F.A. Cunningham, MA, PhD, FRSC (I)
 M.W. Donnelly, MA, PhD
 V.C. Falkenheim, MA, PhD
 J.F. Fletcher, MA, PhD
 H. D. Forbes, MA, PhD
 F.J.C. Griffiths, MIA, PhD (U)
 G. Horowitz, MA, PhD
 B. Kovrig, MA, PhD (T)
 † A.M. Kruger, BA, PhD
 L. LeDuc, MA, PhD (SM)
 R.A. Manzer, MA, PhD (University of Toronto Scarborough)
 R.O. Matthews, BA, MIA, PhD (T)
 † J. Nedelsky, MA, PhD
 J. Nun, LLM, PhD
 D.M. Rayside, AM, PhD, FRSC (U)
 A.G. Rubinoff, MA, PhD (University of Toronto Scarborough)
 K.R.J. Sandbrook, MA, DPhil, FRSC
 D.V. Schwartz, MA, PhD
 P. Silcox, MA, PhD (University of Toronto Mississauga)
 J.E. Smith, AB, PhD, DLit
 P.H. Solomon, MA, PhD
 S.G. Solomon, MA, PhD (University of Toronto Scarborough)
 R.E. Stren, MA, PhD, Dhc (I)
 C. Tuohy, MA, PhD, FRSC
 † M.H. Watkins, BCOM, LLD (U)
 G. White, MA, PhD (University of Toronto Mississauga)

Associate Professor and Chair

A. Handley, MPhil, PhD

Professor and Associate Chair (Graduate Studies)

J. Bertrand, MSc, MA, PhD

Associate Professor and Associate Chair (Undergraduate Studies)

† D.L. Eyoh, MA, PhD (N)

Professors

E. Adler, MA, PhD, FRSC
 R.K. Balot, MA, PhD
 S. Bashevkin, MA, PhD, FRSC (U)
 H. Bathelt, Dipl-Geogr, Dr rer nat, Habil
 R.S. Beiner, BA, DPhil, FRSC (University of Toronto Mississauga)
 S. Bernstein, MA, PhD (University of Toronto Mississauga)
 † S. Borins, BA, MPP, PhD
 A. Braun, MA, PhD (University of Toronto Mississauga) (T)
 † D. Breznitz, BA, PhD
 D.R. Cameron, MSc, PhD, FRSC, CM
 J.H. Carens, MPhil (Theol), MPhil, PhD, FRSC
 † D.B. Cook, MA, PhD (V)
 R.B. Day, Dip REES, MA, PhD (University of Toronto Mississauga)
 † R.B. Deber, SM, PhD, FRSC
 † R.J. Deibert, MA, PhD, OOnt (T)

† K.H. Green, MA, PhD (U)
 R.S. Haddow, MSc, PhD
 R. Hansen, MPhil, DPhil (T)
 † R. Hirschl, LLB, MA, MPhil, PhD, FRSC
 M.J. Hoffmann, MPhil, PhD (University of Toronto Scarborough)
 C. Jung, MA, PhD
 P.W.T. Kingston, MA, MPhil, DPhil (University of Toronto Scarborough)
 R.E. Kingston, MA, PhD
 J.J. Kirton, MA, PhD (T)
 M. Kohn, MA, PhD (University of Toronto Scarborough)
 † P.J. Loewen, BA, PhD
 P.R. Magocsi, MA, MA, PhD, FRSC
 N. Nevitte, MA, PhD, FRSC
 C. Orwin, AM, PhD (SM)
 L.W. Pauly, MA, MSc, PhD, FRSC (T)
 † I. Peng, MA, PhD (T)
 † K. Roach, LLB, LLM, FRSC
 † D. Schneiderman, LLB, LLM
 † A. Shachar, BA, LLB, LLM, JSD, FRSC
 G. Skogstad, MA, PhD (University of Toronto Scarborough)
 † A. Stark, MSc, AM, PhD
 J.A. Teichman, MA, PhD, FRSC (University of Toronto Scarborough)
 R. Vipond, AM, PhD (V)
 L. Way, MA, PhD (University of Toronto Scarborough)
 † L.E. Weinrib, BA, LLB, LLM
 † L. White, MA, PhD
 M.S. Williams, AM, PhD (T)
 N. Wiseman, MA, PhD (U)
 D.A. Wolfe, MA, PhD (University of Toronto Mississauga)
 J. Wong, MA, PhD
 W. Wong, MA, PhD

Associate Professors

† N. Bertoldi, MA, PhD
 C. Cochrane, MA, PhD (University of Toronto Scarborough)
 † Y. Dawood, MA, JD, PhD
 L. Gilady, MA, MPhil, PhD
 † J.F. Green, MPA, PhD
 S. Gunitsky, MA, MPhil, PhD
 † R. Levi, BCL, LLB, LLM, SJD
 † M. Light, MA, JD, PhD
 † M.S. Manger, MSc, PhD
 † R.A. Marshall, MA, DPhil
 P.L. McCarney, MCP, PhD
 C. Norrlöf, MA, PhD (University of Toronto Scarborough)
 † A.H. Olive, MA, PhD (University of Toronto Mississauga)
 † L. Ong, AM, PhD
 † W. Prichard, MPhil, DPhil
 A. Sabl, AB, PhD
 E. Schatz, MA, PhD, (University of Toronto Mississauga)
 T. Triadafilopoulos, MA, PhD (University of Toronto Scarborough)
 † A. Yoon, BA, LLM, PhD

Assistant Professors

A.S. Ahmad, MA, PhD (University of Toronto Scarborough)
 N. Anderson, BA, PhD (University of Toronto Mississauga)
 M. Balaguera, MA (University of Toronto Mississauga)
 R. Besco, MA, PhD (University of Toronto Mississauga)
 † J. Craft, MA, PhD
 C. de Miguel Moyer, MA, PhD
 † M.J. Donnelly, MA, PhD
 T. Enright, BA, PhD
 D. Fu, MPhil, DPhil (University of Toronto Scarborough)
 F. Kahraman, MA, PhD (University of Toronto Scarborough)
 E. Lazarev, MPhil, PhD
 † J. Lindsay, MS, PhD
 † J. Moreau, MA, PhD
 S. Mukherjee, MA, PhD (University of Toronto Mississauga)
 K. Murali, MSc, PhD
 E. Nacol, MA, MPhil, PhD (University of Toronto Mississauga)

† K. Neville, MSc, PhD
 A. Reisenbichler, MA, PhD (University of Toronto Mississauga)
 S. Renckens, MSc, MA, MPhil, PhD (University of Toronto Scarborough)
 L. Rheault, MA, PhD
 R. Schertzer, MSc, PhD (University of Toronto Scarborough)
 T. Shanks, BA, PhD (University of Toronto Scarborough)
 A. Smith, MA, PhD (University of Toronto Mississauga)
 E. Tolley, MA, PhD (University of Toronto Mississauga)
 M. Walton, MA, PhD

Associate Professor (Teaching Stream)

M. Lippincott, MA, PhD (University of Toronto Mississauga)

Assistant Professors (Teaching Stream)

K. Ariga, MA, MA, MCP, PhD
 R. Levine, MA, PhD (University of Toronto Scarborough)

CLTAs

† C. Ewing, AM, PhD (T)
 R. Hurl, MA, PhD
 D. Kingsbury, MA, PhD

† Cross-appointed

Introduction

The study of Political Science at the University of Toronto is wide-ranging and diverse. Courses are offered in political theory, Canadian government, international relations, and the politics of societies that are industrialized, developing, and in transition. Many courses deal with issues (such as environmental politics, diversity, peace and conflict, globalization) that cut across fields. Course offerings are designed to introduce students to Political Science at the first year level, provide the foundations for further study at the second year level, and provide specialized lecture and seminar courses at the intermediate and advanced levels. Studies in Political Science provide students with a good grounding in one of the chief social science disciplines and an opportunity to explore the issues that confront us as individuals, groups, societies and on the international level as we prepare for the twenty-first century. In addition to the materials covered, Political Science courses are set up to offer students an opportunity to learn writing and analytical skills to support a challenging and diverse career.

Courses in Political Science dovetail with programs in many other disciplines of the social sciences and the humanities: Economics, Sociology, History, Philosophy, and Psychology. A student interested in Canadian studies or urban problems, for example, would be well advised to choose courses from all these disciplines, as would someone interested in international affairs or foreign area studies. A student planning graduate work in the social sciences should seek to obtain a basic understanding of each of these disciplines.

Detailed information on our programs, extended descriptions of courses, and background information on the interests of our instructors can be found on our website. The Association of Political Science Students, the students' organization for Political Science undergraduates, has an office in Room 1091, Sidney Smith Hall.

Undergraduate Director: Professor Dickson Eyoh, Sidney Smith Hall, Room 3030, (416) 978-3342, dickson.eyoh@utoronto.ca

Student and Alumni/Advancement Coordinator: Elizabeth Jagdeo, Sidney Smith Hall, Room 3027, (416) 978-0900, e.jagdeo@utoronto.ca

Enquiries: Mary-Alice Bailey, Sidney Smith Hall, Room 3032, (416) 978-6567, undergrad.polsci@utoronto.ca

Undergraduate Program Information and Course Descriptions: <http://www.politics.utoronto.ca>

Political Science Programs

Political Science Specialist (Arts Program) - ASSPE2015

Enrolment Requirements:

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Required courses:

i) Applying after first year (or four full courses or the equivalent):

A final mark of at least 67% in POL 101Y or POL 200Y or one full POL course or the equivalent in half courses.

ii) Applying after second year (or eight full courses or the equivalent):

A final mark of at least 70% in any two full POL courses or the equivalent in half courses.

Completion Requirements:

(10 POL full courses or the equivalent in half courses. Of these, at least 3.0 full course equivalents must be 300+ series courses and 1.0 full course equivalent must be 400- series. Only 1.0 POL 100-level course will be counted towards the POL program.)

First Year:

POL101Y1

Higher Years:

1. POL 200Y1

2. One of the following: **POL201Y1/ POL203Y1/ POL207Y1/ POL208Y1/ POL215Y1**

3. **POL214Y1/ POL224Y1**

4. **POL222H1 and POL232H1**

5. **POL320Y1**

6. 4.0 additional POL full course equivalents

Of these, at least 2.0 full course equivalents must be 300+ series courses and 1.0 full course equivalent must be 400- series.

Note:

- Students must complete one full course equivalent each in at least two of the following three fields: comparative politics, development studies, international relations. See the Department's website <http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable> for POL courses by area group.
- It is recommended that students take POL222H1 (Introduction to Quantitative Reasoning I) and POL232H1 (Introduction to Quantitative Reasoning II) in their second year of study.

Political Science Major (Arts Program) - ASMAJ2015

Enrolment Requirements:

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Required courses:

i) Applying after first year (or four full courses or the equivalent):

A final mark of at least 67% in POL 101Y or POL 200Y or one full POL course or the equivalent in half courses.

ii) Applying after second year (or eight courses or the equivalent):

A final mark of at least 70% in any two full POL courses or the equivalent in half courses.

Completion Requirements:

(7 POL full courses or the equivalent in half courses. Of these, 1.5 full course equivalents must be 300+ series courses and 0.5 must be a 400- series. Only 1.0 POL 100-level course will be counted towards the POL program.)

First Year:

POL101Y1

Higher Years:

1. POL200Y1

2. One of the following: POL201Y1 / POL203Y1 / POL207Y1 / POL208Y1 / POL215Y1

3. POL214Y1 / POL224Y1

4. POL222H1

5. 2.5 additional POL full course equivalents. Of these, at least 1.5 must be 300+ series and 0.5 must be a 400- series course.

Note:

- Students must complete one full course equivalent in at least one of the following three fields: comparative politics, development studies, international relations. See the Department's website <http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable> for POL courses by area group.
- It is recommended that students take POL222H1 (Introduction to Quantitative Reasoning I) in their second year of study.

Political Science Minor (Arts Program) - ASMIN2015

Enrolment Requirements:

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Required courses: a minimum grade of 65% in 1.0 POL full course equivalent.

Completion Requirements:

(4.0 POL full courses or their equivalent)

1. 4.0 POL full course equivalents. Of these, at least 1.0 full course equivalent must be 300+ series courses and only 1.0 POL 100-level course will be counted towards the POL program.

Regarding Political Science Courses

PLEASE NOTE:

- Not all courses listed in the 2019-20 calendar are offered every year. Please check the Department's website for the list of courses offered in 2019-20.
- Prerequisites and exclusions are enforced for all 2nd, 3rd and 4th year courses. Please consult the POL section of the Faculty of Arts & Science Registration Instructions and Course Enrolment Instructions for details. **Students without course prerequisites will be removed at any time they are discovered.**
- Enrolment is limited for all 300-level and 400-level courses. See the Registration Instructions and Course Enrolment Instructions for details.
- Nearly all POL 400-level courses are offered as joint undergraduate-graduate seminars with class sizes ranging from 15-25.
- Full course equivalents are either a full course or the equivalent in half courses.

Political Science Courses

POL101Y1 - Democracy, Dictatorship, War, and Peace: An Introduction

Hours: 48L/24T

This course is an introductory survey of the main currents and important themes in political science, emphasizing the sub disciplines of international relations, comparative politics, and political theory.

Exclusion: POLA01H3, POLA02H3, any 100-level POL course with the exception of AP, IB, CAPE, or GCE transfer credits

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL197H1 - Solidarity in Diverse Societies

Hours: 24S

Liberal democracies in the “populist” age are increasingly defined by polarization, and many observers fear that liberal democracies are having trouble accommodating diversity and protecting the rule of law and the integrity of their elections. This course will explore how these societies can better accommodate diversity and preserve liberal democracy. It will consider patriotism and nationalism, as well as arguments that seek to empower citizens with the techniques of “political friendship” required to manage difference and disagreement. The course will also consider critical arguments, that solidarity can only be attained by juxtaposing the political community against an “enemy.” Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

POL196H1 - The China Challenge

Hours: 24S

China’s meteoric rise to great power status has triggered an intense international debate over its global implications. While many analysts see Beijing’s rise as posing a threat to global political and economic stability, Chinese leaders have argued forcefully that China’s efforts to regain its historic preeminence will result in a ‘win-win’ outcome for all states. This course will assess the merits of these contending positions through an historical examination of China’s 20th century renaissance. The course will begin by tracing the long period of imperial decline in the 19th century, culminating in China’s revolutionary rebirth as a Marxist state in 1949. A major focus will be on the Mao-era legacy of revolutionary diplomacy and the foreign policy consequences of its later transformation into a market-authoritarian powerhouse. Restricted to first-year students. Not available for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL198Y1 - Social Justice and the City

Hours: 48S

Who benefits and who loses from urban transformation? This course is an introduction to the concept of social justice from an urban perspective. It will highlight how unequal relations of race, class, gender, sexuality, and ability operate through the urban environment, and how these conditions can be contested through political mobilization. A variety of cases from cities around the world are used to explore issues related to segregation, gentrification, policing, migration, and access to public spaces and services. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL199Y1 - Utopias and Dystopias

Hours: 24T/48S

This course explores alternative visions of good and bad social, economic and political orders. Students are expected to think about how work, income, and power should be allocated, what social norms regarding gender and sexuality should prevail, how children should be raised and educated, and so on. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3); Thought, Belief and Behaviour (2)

POL200Y1 - Political Theory: Visions of the Just/Good Society

Hours: 48L/24T

A selective presentation of critical encounters between philosophy and politics, dedicated to the quest for articulation and founding of the just/good society. Among the theorists examined are Plato, Aristotle, Machiavelli, Hobbes and Locke.

Exclusion:

POLB70H3/POLB71H3/POLC70H3/POLC71H3/POL200Y5

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3); Thought, Belief and Behaviour (2)

POL207Y1 - Politics in Europe

Hours: 48L/24T

This course delves into key questions, theories and methods in comparative politics through an exploration of European politics and society. We cover theories of transition to democracy, nation-state development, institutions and their effects, parties and electoral behaviour, and social movements. We also analyze Europe's contemporary developments: economic crisis, rise of populism, Brexit, and issues of immigration.

Prerequisite: 1.0 POL credit/ EUR200Y1

Exclusion: POL302Y5

Recommended Preparation: General history of Europe

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL201Y1 - Politics of Development: Issues and Controversies

Hours: 48L/12T

A survey of the developmental challenges facing societies in Latin America, the Caribbean, Asia and Africa, and the efficacy of various development strategies and policies in meeting these challenges.

Prerequisite: 1.0 POL credit/4.0 full course equivalents

Exclusion: POLB90H3/POLB91H3

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL208Y1 - Introduction to International Relations

Hours: 48L/24T

The course analyzes the impact of the individual, the nation-state, and the international and transnational systems on international conflict and conflict resolution, and examines the major problems the international community confronts in a rapidly changing international environment.

Prerequisite: 1.0 POL credit /4.0 full course equivalents

Exclusion: POLB80H3/POLB81H3/POL208Y5

Recommended Preparation: Prior reading or study of modern history

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL203Y1 - U.S. Government and Politics

Hours: 48L/24T

An introduction to U.S. government and politics within an analytical framework that helps us understand how institutions structure incentives and decisions in the U.S. system. This class examines the political forces that forged contemporary American institutions to understand how these political institutions continue to provide stability while allowing opportunities for political change. We investigate whether these forces make American institutions different and why. Special attention is paid to current events and contemporary policy dilemmas.

Prerequisite: 1.0 POL credit/4.0 full course equivalents

Exclusion: POLC92H3/POLC93H3/POL203Y5

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL214Y1 - Canadian Government and Politics

Hours: 48L/24T

Canada's political system including the Constitution and its institutional pillars: cabinet and parliament, federalism, the courts and the Charter of Rights. Topics include political parties, the electoral system, identity and citizenship, ideology and political culture, regionalism, language politics, indigenous peoples, diversity, and media.

Prerequisite: 1.0 POL credit /4.0 full course equivalents

Exclusion: POL214Y5/ POL224Y1/

POLB50H3/POLB50Y3/POLB52H3

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL215Y1 - Politics and Transformation of Asia-Pacific

Hours: 48L/24T

This course provides a comparative analysis of selected countries of East and Southeast Asia, with an emphasis on changing views of citizenship as they have been shaped by political, socio-economic and cultural transformations in the region. The first term deals with the idea of the developmental state, inequality, democratization and nationalism. The second term takes up questions related to governance and corruption, culture, demographic changes and nascent forms of regionalism and globalization.

Prerequisite: 1.0 POL credit /4.0 full course equivalents

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL232H1 - Introduction to Quantitative Reasoning II

Hours: 24L/12T

Building up on POL222H1, students will continue to build theoretical foundations of quantitative empirical research, such as probability theory and statistical inference. They will also learn the basic use of statistical software and have become able to conduct a basic data analysis by themselves by the end of semester.

Prerequisite: POL222H1

Exclusion: POL242Y1/POL242Y5

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL299Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

POL300Y1 - Topics in Comparative Politics

Hours: 48L

An introduction to the field of comparative politics. Content in any given year depends on instructor.

Prerequisite: 1.0 POL credit

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL224Y1 - Canada in Comparative Perspective

Hours: 48L/24T

This course introduces students to politics using a comparative approach; it examines the variety of political regimes that exist around the world, with particular attention to Canada. Emphasis is placed on how distinctive regimes reflect the different past and present social and economic settings of countries.

Prerequisite: 1.0 POL credit /4.0 full course equivalents

Exclusion: POL111H5/ POL214Y1/POL214Y5/POLB50Y3

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL301Y1 - Government and Politics in Africa

Hours: 48L

The continuing relevance of pre-colonial Africa; the nature and legacy of colonial rule; African nationalism and the consolidation of power in the newly-independent states; government, party and the people; the role of the military; national integration; dependency and neo-colonialism; socialism and development; democracy and human rights.

Prerequisite: 1.0 POL credit

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL302Y1 - State & Society in 20th Century China

Previous Course Number: JMC301Y1

Hours: 48L

This course explores China's efforts to construct a modern and effective political order in the face of powerful demographic and revolutionary challenges. The clash between competing ideologies, political and social movements and institutional alternatives in the context of rapid social and economic change are analyzed.

Prerequisite: EAS105H1/ HIS280Y1/ POL215Y1

Exclusion: JMC301Y1/POLC16H3

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL305Y1 - Politics and Society in Latin America

Hours: 48L

The colonial heritage, the failure of nation-states to develop as integrated and autonomous power structures, dependent capitalism and political order, contrasting types of domination, rigid monopolization and the flexible use of the state by the ruling sectors, national revolution and the socialist alternative.

Prerequisite: 1.0 POL credit

Exclusion: POLC91H3/POLC99H3/POL360H5

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL303H1 - Women in Western Political Thought

Previous Course Number: JPP343H1

Hours: 24L

Examines contemporary feminist perspectives in political theory as responses to the limitations of western tradition of modern political theory.

Prerequisite: PHL265H1/ POL200Y1/POL200Y5/(POLC70H3, POLC71H3)

Exclusion: JPP343H1/ JPP343Y1/POLC76H3/POLC77H3

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

POL308H1 - Indigenous Politics in Canada

Hours: 24L

Explores key issues in Indigenous politics in Canada. Provides students with an overview of historical and contemporary socio-political issues in Indigenous societies and institutions such as Indigenous self-governance, land claims and treaty negotiations.

Prerequisite: INS201Y1/ POL214Y1/POL214Y5/POLB50Y3/ POL224Y1

Exclusion: INS353H1; INS354H1/ JPA308H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

JHP304Y1 - Ukraine: Politics, Economy and Society

Hours: 48L

The history of Ukraine from earliest times to the present. Economic, political, and cultural movements; Kievan Rus', Polish-Lithuanian Commonwealth, Cossack state, national revival, twentieth century statehood, and unification. As this course is designed as an introductory course, the professor welcomes first- and second-year students to enroll, as well as upper-level students. (*Given by the Departments of History and Political Science*)

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

POL312Y1 - Canadian Foreign Policy

Hours: 48L

Canada's response to the challenges of globalization and the post-cold war world. The major alternative theoretical approaches, the changing doctrines and patterns of Canadian foreign policy from 1945 to the present, the making of Canadian foreign policy, relations with the United States, within NAFTA, and with other global regions.

Prerequisite: POL208Y1/POL208Y5/(POLB80H3, POLB81H3)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL314H1 - Public Opinion and Voting

Hours: 24L

The attitudes and behaviour of the mass public in Canada and other western democracies, with emphasis on voting and elections. Themes include the nature of social, psychological, and economic forces on public opinion and voting, political participation, mass media, public opinion polling, electoral systems, the role of parties, leaders, and issues in elections. Students will have the opportunity to work with data from the Canadian Election Studies and other sources.

Prerequisite: POL232H1/ POL242Y1/an equivalent course in quantitative research methods

Exclusion: POL314Y1/POLC21H3

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

JPS315H1 - Sexual Diversity Politics

Hours: 24L

This is an interdisciplinary course examining the development of the Lesbian, Gay, Bisexual, Transgender and Queer (LGBTQ) movement and its interaction with the state in the US and Canada. (Given by the Department of Political Science and the Sexual Diversity Studies Program)

Prerequisite: SDS255H1/ SDS256H1/ UNI255H1/ UNI256H1/one full course on the politics of 20th century Europe, U.S., or Canada/one full course on gender or sexuality/permission of the instructor

Exclusion: JPU315H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL316Y1 - Contemporary Canadian Federalism

Hours: 48L

Constitutional, political, administrative, and financial aspects of federal-provincial relations, regionalism, and cultural dualism.

Prerequisite: POL214Y1/POL214Y5/POLB50Y3/ POL224Y1

Exclusion: POLC54H3/POLC57H3/POL316Y5/POL353Y5

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL317H1 - Comparative Public Policy

Hours: 24L

Draws from the major theoretical traditions in public policy and policymaking of the advanced industrial world, and applies these theories in understanding the developing world context and the new challenges of global change.

Prerequisite: EUR200Y1/ POL101Y1/ POL203Y1/POL203Y5/ POL214Y1/POL214Y5/POLB50Y3/ POL224Y1

Exclusion: POL317Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL320Y1 - Modern Political Thought

Hours: 48L/24T

The development of political thought from the Enlightenment and through the 19th century; implications for political thought in the 20th century. Democratic and anti-democratic tendencies.

Prerequisite: POL200Y1/POL200Y5/(POLC70H3, POLC71H3)

Exclusion: POLC73H3/POLC74H3/POL320Y5

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

POL323Y1 - Might and Right Among Nations

Hours: 48L

An exploration of the issue of justice among nations. Is such justice genuine or is it largely spurious? What are the prospects for a just international order? Careful examination and thorough discussion of texts on these issues.

Prerequisite: POL200Y1/ POL200Y5/ POL208Y1/

POL208Y5/(POLB80H3, POLB81H3)/(POLC70H3, POLC71H3)

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

POL324H1 - European Union: Politics, Institutions and Society

Hours: 24L

The course provides an in-depth understanding of the history, political institutions, and policies of the European Union. It also explores the key contemporary social and political debates facing the European Union today such as the eurozone crisis, the rise of euroskepticism, issues of democratic legitimacy, Brexit, issues of enlargement, immigration and the recent migrant crisis.

Prerequisite: EUR200Y1/ POL207Y1/POL302Y5

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL329H1 - Experiences of Conflict

Hours: 24L

The course reviews selected novels that deal with personal and collective experiences of conflict. It focuses on representations of how conflict is experienced. It gives students a practical understanding of the human dimension of selected major conflicts and explores possibilities for personal and social resistance to injustice and violence. Special attention is paid to questions of identity formation and moral choice in contexts of war and nationalism.

Prerequisite: POL208Y1/POL208Y5/(POLB80H3, POLB81H3)

Exclusion: POL493H1 (taken in 2014-2015, 2015-2016)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL326Y1 - United States Foreign Policy

Hours: 48L

The foreign policy of the United States: tradition and context of American decision-making, the process by which it is formulated, application to a number of specific regions and problems in the world.

Prerequisite: POL203Y1/POL203Y5/ POL208Y1/ POL208Y5/(POLB80H3, POLB81H3)

Exclusion: POL327Y5

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL330Y1 - Politics and Morality

Hours: 72L

Is it possible to provide politics with a solid moral foundation? If so, what are the moral principles that should guide political order? The course examines these questions through the study of key figures in 20th-century political thought, including Max Weber, Hannah Arendt, Frantz Fanon, Mahatma Gandhi, Michel Foucault, Isaiah Berlin, John Rawls, and Jürgen Habermas.

Prerequisite: POL200Y1/POL200Y5/(POLC70H3, POLC71H3)

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

POL328Y1 - Politics and Government in South Asia

Hours: 48L

The course introduces students to politics and government in South Asia in the period after independence from colonial rule. It focuses on the experiences of India, Pakistan, Sri Lanka and Bangladesh.

Prerequisite: POL201Y1/(POLB90H3, POLB91H3)

Exclusion: POL328H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

JPA331Y1 - Issues in Contemporary Chinese Politics

Hours: 48L

The course covers topics of interest in China from the Communist takeover in 1949 through to the reform period of the 1980s, 1990s and 2000s. It will also address aspects of China's diplomacy related to its growing economic power. (*Given by the Department of Political Science and the Contemporary Asian Studies Program*)

Prerequisite: 2.0 POL courses or CAS200Y1/ CAS201H1

Exclusion: POLC16H3

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

POL334H1 - Ontario and Quebec Politics**Hours:** 24L

An examination of politics in Canada's two most populous provinces. Drawing insights from comparative political economy scholarship, the course compares their politics in term of their distinctive historical origins, and their political economies, party systems, cultures, and relations with the federal government.

Prerequisite: POL214Y1/POL214Y5/POLB50Y3/ POL224Y1**Exclusion:** POL334Y1/ POL336H1/ POL336Y1 (taken before 2012-2013)/POLC55H3**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**POL339H1 - Ethnic Mobilization and Conflict****Hours:** 24L

The course introduces students to the politics of ethnic identity and the circumstances under which ethnicity is mobilized for political goals. It includes a discussion of ethnic and religious identity, their politicization, the causes of conflict, and institutional solutions to the management of ethnic conflict.

Prerequisite: POL101Y1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**POL336H1 - Topics in Provincial Politics****Hours:** 24L

Content in any given year depends on instructor.

Prerequisite: POL214Y1/POL214Y5/POLB50Y3/ POL224Y1**Exclusion:** POL336Y5**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**POL337Y1 - The Canadian Constitution****Hours:** 48L

The moral foundations, historical events, political forces and legal ideas that have shaped the Canadian constitution; the roots, legacies, and judicial interpretation of the Constitution Act 1867, the Constitution Act 1982, and in particular the Charter of Rights and Freedoms; the constitutional framework of federalism; the politics of constitutional change; multiculturalism, 'rights talk', and the judicialization of politics.

Prerequisite: POL214Y1/POL214Y5/POLB50Y3/ POL224Y1**Exclusion:** POLC68H3**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**POL340Y1 - International Law****Hours:** 48L

International law as an instrument of conflict resolution. Recognition, sovereign immunity, subjects of international law, jurisdiction.

Prerequisite: POL208Y1/POL208Y5/(POLB80H3, POLB81H3)**Exclusion:** POLC38H3/POL340Y5**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**POL344H1 - Social Movements in Europe and North America****Hours:** 24L

A comparative examination of the development of a variety of social movements, and their engagement with state institutions. Among the activist movements being examined are those dealing with gender, the environment, and labour.

Exclusion: POL344Y1**Recommended Preparation:** One full course on 20th century politics or history of Europe, U.S. or Canada/one full course on gender or sexuality**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)

POL344Y1 - Social Movements in Europe and North America

Hours: 48L

A comparative examination of the development of a variety of social movements, and their engagement with state institutions. Among the activist movements being examined are those dealing with gender, the environment, and labour.

Exclusion: POL344H1

Recommended Preparation: One full course on 20th century politics or history of Europe, U.S. or Canada/one full course on gender or sexuality

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL351H1 - Gender, Politics, and Public Policy in Comparative Perspective

Hours: 24L

An introduction to gender and politics that examines women as political actors and their activities in formal and grassroots politics. The course also explores the impact of gender in public policy and how public policies shape gender relations. Cases to be drawn on include Canada, other countries in North America and Europe, and the developing world.

Prerequisite: 1.0 POL credit

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL345Y1 - Becoming Israel: War, Peace, and the Politics of Israel's Identity

Hours: 48L

An introduction to Israeli politics, society, institutions and political practice from the perspective of the development of Israeli identity (identities). Particular attention will be given to the sources of Israeli identity, to the main players involved in its politics, and to the role of regional war and the peace process in its development and inner conflicts.

Prerequisite: 1.0 POL credit

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL349H1 - Global Urban Politics

Hours: 24L

An examination of how political life is being transformed in the global urban age. Concepts such as territory, the state, citizenship, agency, sovereignty, and power will be reconsidered through a particularly urban lens.

Prerequisite: 1.0 POL credit

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL354H1 - Politics and Society in Russia

Hours: 24L

Explores tensions between democracy and authoritarianism after communist rule. Topics include: legacy of Soviet Union; political leadership; presidential power and executive - legislative conflict; federalism; elections and parties; civil society; ethnonationalism; corruption and organized crime.

Prerequisite: 1.0 POL credit

Exclusion: POL354Y5

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL355Y1 - Topics in Classical Political Thought

Hours: 48L

Leading texts and issues in classical political thought, as expressed in the various classical genres, including epic, tragedy, comedy, history, dialogues, and treatises.

Prerequisite: POL200Y1/POL200Y5/(POLC70H3, POLC71H3)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL356H1 - Canadian Political Parties**Hours:** 24L

The evolution and setting of Canada's federal and provincial party systems. Topics include historical and theoretical perspectives, ideology, leadership selection, elections, financing, media, and representing interests.

Prerequisite: POL214Y1/POL214Y5/ POL224Y1/POLB50Y3**Exclusion:** POL356Y1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**POL359Y1 - Enlarging Europe: The European Union and Its Applicants****Hours:** 48L

The course provides an overview of the salient issues in the past enlargement rounds, furnishing the context for the study of current and future integration efforts. Readings will cover the current round of enlargement to the Central and East European countries, efforts related to South-Eastern Europe, as well as Turkey. Issues between the EU and Ukraine and Russia will also be studied, as will the relationship between the Union and its Southern Rim. Security issues related to NATO integration and operations will also be covered.

Prerequisite: POL207Y1/POL302Y5/ EUR200Y1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**POL356Y1 - Canadian Political Parties****Hours:** 48L

The evolution and setting of Canada's federal and provincial party systems. Topics include historical and theoretical perspectives, ideology, leadership selection, elections, financing, media, and representing interests.

Prerequisite: POL214Y1/POL214Y5/POLB50Y3/ POL224Y1**Exclusion:** POL356H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**POL360H1 - Topics in Latin American Politics****Hours:** 24L

Selected issues in Latin American politics. Content and instructor varies from year to year.

Prerequisite: POL201Y1/(POLB90H3, POLB91H3)**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**POL357Y1 - Topics in South Asian Politics****Hours:** 48L

Selected issues in South Asian politics. Content in any given year depends on instructor.

Prerequisite: POL201Y1/(POLB90H3, POLB91H3)**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**POL360Y1 - Topics in Latin American Politics****Hours:** 48L

Selected issues in Latin American politics. Content and instructor varies from year to year.

Prerequisite: POL201Y1/(POLB90H3, POLB91H3)**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)

POL361H1 - Global Political Economy I: History and Theory

Previous Course Number: POL370Y1

Hours: 24L

The course introduces the contemporary history of world economic order and the ideas underpinning that order. It also provides an orientation to the field of study devoted to understanding and explaining underlying political dynamics.

Prerequisite: 1.0 POL credit; ECO100Y1/ ECO101H1, ECO102H1)/ ECO105Y1

Exclusion: POL370H1; POL370Y1/POLC69H3

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL362H1 - Global Political Economy II: Policy and Analysis

Hours: 24L

The course builds on themes introduced in POL361H1. It focuses on key aspects of world economic order, like policies governing trade, capital flows, migration, development, and telecommunications. Methods for analyzing the background and implications of such policies are introduced.

Prerequisite: 1.0 POL credit; ECO100Y1/ ECO101H1, ECO102H1)/ ECO105Y1

Exclusion: POL370H1; POL370Y1

Recommended Preparation: POL361H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL367Y0 - Australia in Transition

Hours: 48L

This course focuses on the dynamic changes that have been taking place in Australia since 1901. It examines Australia's rich indigenous and non-indigenous history; the complexity and challenges of Australia's migration and multiculturalism; key issues and practices in contemporary Australian politics; the complex interplay between institutional processes, political interest and the media; and the dynamics of Australia's engagement with the region and the rest of the world. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL371H1 - The Spatial Construction of the Political Economy

Hours: 24L

This course applies a relational perspective of economic action which emphasizes context, path-dependence and contingency. It explores the intentions, opportunities and constraints of economic agency by analyzing the interdependencies between institutions at different levels and industrial organization, interaction, innovation and evolution, thus exploring the spatial construction of the political economy.

Prerequisite: 1.0 POL credit

Recommended Preparation: ECO100Y1/ ECO101H1, ECO102H1)/ ECO105Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

JPR364Y1 - Religion and Politics

Hours: 48L

This course examines the evolving role of religions in contemporary public, political contexts. Themes include: democracy and secularism; religion, human rights, law and justice; party politics, identity-formation and citizenship; gender and sexuality; interreligious conflict. (*Given by the Departments of Political Science and Religion*)

Prerequisite: 1.0 POL credit/1.5 full course equivalents in Religious Studies

Exclusion: RLG230H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3); Thought, Belief and Behaviour (2)

POL372H1 - Political Economy of Germany and the EU

Hours: 24L

The goal of this course is to explore the structure of the German political economy in the context of EU integration and economic globalization. Drawing upon the varieties-of-capitalism approach, the main themes in the course will analyze the institutional conditions for growth. In a comparative perspective, the course explores the role of collective agents, corporate governance, collective bargaining, social security systems, population structure, immigration, reunification and their regional manifestations.

Prerequisite: 1.0 POL credit

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL373H1 - Emotions in Political Theory**Hours:** 24L

Emotions are central to political life but have often been marginalized in political theory. This course explores various ways in which emotions are relevant to political theory and examines a number of contemporary debates around the new possibilities in bringing a positive consideration of the emotions back into political theory.

Prerequisite: POL200Y1/POL200Y5/(POLC70H3, POLC71H3)**Exclusion:** POL373Y1**Recommended Preparation:** POL320Y1**Distribution Requirements:** Social Science**Breadth Requirements:** Thought, Belief and Behaviour (2)**POL377H1 - Topics in Comparative Politics I****Previous Course Number:** POL300H1**Hours:** 24L

An introduction to the field of comparative politics. Content in any given year depends on instructor.

Prerequisite: 1.0 POL credit**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**JPS378H1 - Sex and the State****Hours:** 24L

What role have sex and sexuality played in the formation of the modern nation state? How has the state regulated sex? This course explores these questions with a theoretical focus on biopolitics. We will proceed in two parts. First, we engage Foucault's *History of Sexuality* and its reception by postcolonial theorists, focusing on questions of state building. The second part of the course shifts examination from state formation to contemporary forms of sexual regulation by the state. This includes maintenance of the public/private divide, citizenship law and nationalism, administrative violence and the prison industrial complex, and neoliberalism and BDSM. By the end of the course, students are able to apply core theoretical concepts and identify forms of contemporary sexual regulation in a variety of Western and non-Western contexts. (Given by the Department of Political Science and the Mark S Bonham Centre for Sexual Diversity Studies).

Prerequisite: 1.0 POL credit/1.0 SDS credit**Exclusion:** POL378H1 (Topics in Comparative Politics II: Sex and the State), offered in Fall 2017 and Fall 2018; SDS375H1 (Special Topics in Sexual Diversity Studies A: Sex and the State), offered in Fall 2017 and Fall 2018**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**JPR374H1 - Religion and Power in the Postcolony****Hours:** 24L

This course examines the role of a variety of religious forms and spiritual practices in the politics of postcolonial societies, tracing their genealogies from the colonial period to the present. Cases taken principally from Africa and Asia. (*Given by the Departments of Political Science and Religion*)

Prerequisite: 1.0 POL 200-level credit/1.5 full course equivalents in Religious Studies**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**JPA376Y0 - Transforming Global Politics: Comparative and Chinese Perspectives****Previous Course Number:** POL376Y1**Hours:** 48L

Set against the backdrop of the rise of China, this course examines the dynamics of global change from comparative and Chinese perspectives. Themes include international security, political economy, political development and democracy, global climate change, economic development, poverty and inequality, corruption, technology innovation, among others. (*Given by the Department of Political Science and the Contemporary Asian Studies Program*)

Prerequisite: POL101Y1/ POL208Y1/POL208Y5/(POLB80H3, POLB81H3)/ POL215Y1/ POL224Y1/ CAS200Y1**Exclusion:** POL376Y1/POL376Y0**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**POL378H1 - Topics in Comparative Politics II****Previous Course Number:** POL300H1**Hours:** 24L

An introduction to the field of comparative politics. Content in any given year depends on instructor.

Prerequisite: 1.0 POL credit**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)

POL379H1 - Topics in Comparative Politics III

Previous Course Number: POL300H1
Hours: 24L

An introduction to the field of comparative politics. Content in any given year depends on instructor.

Prerequisite: 1.0 POL credit
Distribution Requirements: Social Science
Breadth Requirements: Society and its Institutions (3)

POL381Y1 - Topics in Political Theory

Hours: 48L

A detailed examination of particular authors or topics in political theory. Content in any given year depends on instructor.

Prerequisite: POL200Y1/POL200Y5/(POLC70H3, POLC71H3)
Distribution Requirements: Social Science
Breadth Requirements: Thought, Belief and Behaviour (2)

POL380H1 - Topics in International Politics

Hours: 24L

Content in any given year depends on instructor.

Prerequisite: POL208Y1/POL208Y5/(POLB80H3, POLB81H3)
Distribution Requirements: Social Science
Breadth Requirements: Society and its Institutions (3)

POL382H1 - Topics in Canadian Politics

Hours: 24L

Examines in depth enduring and emerging issues in Canadian politics. Content in any given year depends on instructor.

Prerequisite: POL214Y1/POL214Y5/POLB50Y3/ POL224Y1
Distribution Requirements: Social Science
Breadth Requirements: Society and its Institutions (3)

POL380Y1 - Topics in International Politics

Hours: 48L

Content in any given year depends on instructor.

Prerequisite: POL208Y1/POL208Y5/(POLB80H3, POLB81H3)
Distribution Requirements: Social Science
Breadth Requirements: Society and its Institutions (3)

POL382Y1 - Topics in Canadian Politics

Hours: 48L

Examines in depth enduring and emerging issues in Canadian politics. Content in any given year depends on instructor.

Prerequisite: POL214Y1/POL214Y5/POLB50Y3/ POL224Y1
Distribution Requirements: Social Science
Breadth Requirements: Society and its Institutions (3)

POL381H1 - Topics in Political Theory

Hours: 24L

A detailed examination of particular authors or topics in political theory. Content in any given year depends on instructor.

Prerequisite: POL200Y1/POL200Y5/(POLC70H3, POLC71H3)
Distribution Requirements: Social Science
Breadth Requirements: Thought, Belief and Behaviour (2)

POL384H1 - Global Environmental Governance from the Ground Up

Hours: 24L

This course focuses on non-state actors in global environmental governance, considering the motivations, actions, and strategies of non-governmental organizations, grassroots communities, and corporations. The course uses analytic tools from international relations and comparative politics to understand patterns of environmental protest, resistance, and change over time.

Prerequisite: 1.0 FCE POL 200-level (POL201Y1 or POL208Y1 recommended)

Exclusion: POL300H1 (Topics in Comparative Politics: Protest, Politics, and Power: Reshaping Global Environmental Governance from the Ground Up), offered in Fall 2015 and Fall 2016

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL385H1 - Issues in Contemporary Greece

Hours: 24L

This course is designed to comprehensively explore the theoretical, conceptual and empirical dimensions through the political history of the Greek state from the 19th c. to the present, and, to provide students with the critical skills to follow, understand and systematically analyze contemporary Greek politics. The class will alternate between highlights of Greek political history, theoretical foundations of major themes in Comparative Politics, and their empirical application to the politics of the Modern Greek state.

Prerequisite: POL201Y1/ POL203Y1/POL203Y5/ POL207Y1/ POL208Y1/POL208Y5/ POL214Y1/POL214Y5/ POL215Y1/ POL224Y1/POLB50Y3/(POLB80H3, POLB81H3)/(POLB90H3, POLB91H3)

Exclusion: POL300H1 (Topics in Comparative Politics: Issues in Contemporary Greece), offered in Fall 2014, Winter 2016, and Winter 2017

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL395H1 - Research Participation

Hours: TBA

Credit course for supervised participation in a faculty research project. Offered only when a faculty member is willing and available to supervise. Interested faculty review plans with the Undergraduate Director, and then make the opportunity known to students as appropriate. Check with Undergraduate Office for more details and faculty proposal form. Not eligible for CR/NCR option.

Prerequisite: Available to students in their third year of study (who have completed at least 9 full courses or their equivalent)

Exclusion: POL299Y1

Distribution Requirements: Social Science

POL396H1 - Research Participation

Hours: TBA

Credit course for supervised participation in a faculty research project. Offered only when a faculty member is willing and available to supervise. Interested faculty review plans with the Undergraduate Director, and then make the opportunity known to students as appropriate. Check with Undergraduate Office for more details and faculty proposal form. Not eligible for CR/NCR option.

Prerequisite: Available to students in their third year of study (who have completed at least 9 full courses or their equivalent)

Exclusion: POL299Y1

Distribution Requirements: Social Science

POL397Y1 - Research Participation

Hours: TBA

Credit course for supervised participation in a faculty research project. Offered only when a faculty member is willing and available to supervise. Interested faculty review plans with the Undergraduate Director, and then make the opportunity known to students as appropriate. Check with Undergraduate Office for more details and faculty proposal form. Not eligible for CR/NCR option.

Prerequisite: Available to students in their third year of study (who have completed at least 9 full courses or their equivalent)

Exclusion: POL299Y1

Distribution Requirements: Social Science

POL398H0 - Research Excursions

Hours: TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

POL398Y0 - Research Excursions

Hours: TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

POL399Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

JRA401H1 - Topics in Comparative Politics V**Hours:** 24S

Selected issues in comparative politics. Content and instructor varies from year to year. (*Given by the Department of Political Science and the Centre for European, Russian and Eurasian Studies*)

Prerequisite: 2.0 POL credits in comparative politics. See the Department's website
<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Exclusion: POL 438H (taken in 2013-14 and 2014-15)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

JRA402H1 - Topics in Comparative Politics VI**Hours:** 24S

Selected issues in comparative politics. Content and instructor varies from year to year. (*Given by the Department of Political Science and the Centre for European, Russian and Eurasian Studies*)

Prerequisite: 2.0 POL credits in comparative politics. See the Department's website
<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Exclusion: POL 410H (taken in 2013-14 and 2014-15)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

JRA401Y1 - Topics in Comparative Politics V**Hours:** 48S

Selected issues in comparative politics. Content and instructor varies from year to year. (*Given by the Department of Political Science and the Centre for European, Russian and Eurasian Studies*)

Prerequisite: 2.0 POL credits in comparative politics. See the Department's website
<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL402H1 - Problems in the Political Thought of the Socratic School**Previous Course Number:** POL402Y1**Hours:** 24S

Study of a small number of texts illuminating the origins and/or legacy of Socratic political philosophy.

Prerequisite: POL320Y1/POL320Y5/ POL323Y1/ POL330Y1/ (POLC73H3, POLC74H3)

Exclusion: POL402Y1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

POL401H1 - Political Parties in Comparative Perspective**Hours:** 24S

Course surveys the main puzzles and theories on the origins, nature and effects of parties and party systems. We explore how institutions, societal cleavages and strategic action shape parties. We study the impact of parties on policy outcomes, and we examine issues of party collapse, ethnic parties, clientelism, and dominant parties.

Prerequisite: 2.0 POL credits in comparative politics (See the Departments website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group) and minimum 14.0 credits

Exclusion: POL438H1 (Topics: Parties in Comparative Perspective), offered in Winter 2016, and (Topics: Parties and Party Systems in Comparative Perspective) offered in Fall 2016.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL403Y1 - Problems in the Political Thought of the Socratic School**Hours:** 24S

Study of a small number of texts illuminating the origins and/or legacy of Socratic political philosophy.

Prerequisite: POL320Y1/POL320Y5/ POL323Y1/ POL330Y1/ POL355Y1/(POLC73H3, POLC74H3)

Exclusion: POL402H1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

POL404Y1 - Public, Private and the Liberal State

Hours: 48S

Liberalism, it is sometimes said, stands or falls with the distinction between public and private. The seminar examines how these terms are conceptualized and how they affect the practice of liberal democracy, especially in Canada and the U.S. We will spend the first term developing a conceptual toolkit that will help us understand some of the ways in which public and private are conventionally understood. In the second term we will explore some of the new (and often unexpected) ways in which public and private are playing out these days in public policy – for instance, in education, health, welfare, multiculturalism, professional sports, and war-making.

Prerequisite: POL203Y1/POL203Y5/ POL214Y1/
POL214Y5/POLB50Y3

Exclusion: POL410Y1 (2014-15)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL409H1 - Political Economy of Technology: From the Auto-Industrial to the Information Age

Hours: 24S

The course explores the centrality of science and technology in political affairs generally and its current significance for public policy in particular. It applies the conceptual tools of political economy to analyze the nature of technological change in industrial democracies. It assesses the social and political consequences of the current wave of technological innovation and alternative responses of industrial democracies. (Offered in alternate years)

Prerequisite: CSC300H1/ GGR431H1/ HPS201H1/ HPS202H1/
HPS431H1/POL218Y5/a POL 300 or 400 level course in
comparative politics. See the Department's website
<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/>

for POL courses by area group/ SOC356Y1.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL408H1 - Innovation and Governance

Hours: 24S

The course explores technological change, its socio-economic consequences, spatial implications and aspects of economic policies. As future growth in the knowledge-based economy will be increasingly associated with new products, services and processes, questions of innovation performance and support policy are decisive at the firm, regional and national levels.

Prerequisite: HPS201H1/ HPS202H1/ POL203Y1/POL203Y5/
POL207Y1/ POL208Y1/POL208Y5/(POLB80H3, POLB81H3)/
POL215Y1/ POL224Y1/ POL302Y5/ SOC317Y1/ SOC356Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL410H1 - Topics in Comparative Politics III

Hours: 24S

Selected issues in comparative politics. Varies from year to year.

Prerequisite: 2.0 POL credits in comparative politics. See the
Department's website
<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/>

for POL courses by area group.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL410Y1 - Topics in Comparative Politics III

Hours: 48S

Selected issues in comparative politics. Varies from year to year.

Prerequisite: 2.0 POL credits in comparative politics. See the
Department's website
<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/>

for POL courses by area group.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL412H1 - Human Rights and International Relations

Hours: 24S

Human rights have become dominant in international politics since the end of World War II. The process of creating and implementing human rights is political. We explore historical, philosophical, and empirical explanations of the roots, effects, and implications of human rights today through a variety of topics.

Prerequisite: POL201Y1/(POLB90H3, POLB91H3)/ POL208Y1/ POL208Y5/(POLB80H3, POLB81H3)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL413H1 - Global Environmental Politics

Hours: 24S

Examines the challenges faced by humanity in dealing with global environmental problems and the politics of addressing them. Focuses on both the underlying factors that shape the politics of global environmental problems such as scientific uncertainty, North-South conflict, and globalization and explores attempts at the governance of specific environmental issues.

Prerequisite: POL208Y1/POL208Y5/(POLB80H3, POLB81H3)

Exclusion: POLD89H3

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL417Y1 - Global South in International Politics

Hours: 48S

The countries of Africa, Asia, Latin America, and the Middle East; their impact on the international system, and the external and internal factors that influence their international behaviour, with particular focus on civil wars.

Prerequisite: POL201Y1/(POLB90H3, POLB91H3)/ POL208Y1/ POL208Y5/(POLB80H3, POLB81H3)/ POL215Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

JPR419H1 - Secularism and Religion

Previous Course Number: RLG419H1

Hours: 24S

Themes considered include what notion of religion is necessary for secular governance, and how secularity relates to particular discourses of citizenship and practices of political rule. Case studies include the effects of colonial rule on religious life; Jewish emancipation in Europe; and religious freedom in France and North America. (*Given by the Departments of Political Science and Religion*)

Registration in this course is through the Department of Religion.

Prerequisite: 2.0 200-level (or above) credits in Political Science or Study of Religion/permission of the instructor

Exclusion: RLG419H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

POL419H1 - Quantitative Methods and Data Analysis

Hours: 24S

Covers advanced level treatment of quantitative empirical research methods in political science. The emphasis is given to theoretical foundations, various research designs, and statistical methods of "causal inference." Students will also be exposed to prominent applications of these methods and learn how to use statistical software to apply these methods in data analysis.

Prerequisite: POL232H1/ POL242Y1/one course in STA

Exclusion: POL419Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL421H1 - Maimonides and His Modern Interpreters

Hours: 24S

The course offers an introduction to the seminal work of Jewish philosophy, 'The Guide of the Perplexed' by Moses Maimonides. We will delve into some of the basic themes of Jewish philosophical theology and religion as they are treated by Maimonides.

Prerequisite: Minimum 14 credits

Exclusion: RLG433H1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

POL424H1 - Globalization and Indigenous Politics

Hours: 24S

The course explores the intersections of globalization and indigenous politics and introduces students to critical considerations of globalization from the perspective of indigenous peoples. It investigates the dominant economic paradigm as the historical outcome of colonization and examines political and economic alternatives and challenges that various indigenous struggles embody and embrace. Issues explored in the course include indigenous epistemologies, impacts of globalization on indigenous peoples, international indigenous organizing, democratization and political participation, human rights, indigenous economies, contested sovereignties and indigenous social movements. It examines indigenous communities as heterogeneous locations where not only impacts of globalization but forms of engagement and resistance take various forms.

Prerequisite: POL201Y1/(POLB90H3, POLB91H3) / INS201Y1/ permission of instructor

Recommended Preparation: Studies in Indigenous/Aboriginal politics or law; studies in globalization

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL426H1 - Democracy and Dictatorship

Hours: 24S

The course provides an in-depth introduction to theories of the origins of democracy and dictatorship. In the first part of the course, we examine and compare theories rooted in economic development, voluntarism, institutional design, and historical institutionalism. The latter half of the course applies these different approaches to debates over the origins of Nazi rule in Germany in the 1930s, military dictatorship in Chile in the 1970s, and non-democratic rule in contemporary Russia.

Prerequisite: 1.0 POL credit; minimum 14 credits

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL430Y1 - Comparative Studies in Jewish and Non-Jewish Political Thought

Hours: 48S

A comparative examination of major texts of the Jewish tradition, ranging from the Torah to modernity, and texts of the classical or Western traditions raising similar questions. Close reading of a small number of capital works, with special attention to the problem of reason and revelation.

Prerequisite: POL200Y1/POL200Y5/(POLC70H3, POLC71H3), POL320Y1/POL320Y5/ POL323Y1/ POL330Y1/ POL355Y1/a relevant course in Jewish studies

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3); Thought, Belief and Behaviour (2)

POL431Y1 - Politics and Society in Contemporary China

Hours: 48S

Issues and themes in China's modernization effort with emphasis on 20th century social, political and economic developments.

Prerequisite: 2.0 POL credits; minimum 14 credits

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL432H1 - Feminist Theory: Challenges to Legal and Political Thought

Hours: 24S

Feminist theory offers basic challenges to the foundations of modern political and legal thought. It suggests a different conception of human nature and a different model of epistemology and of appropriate forms of argument about the traditional issues of legal and political theory: justice, power, equality and freedom.

Introduction to the foundations of feminist theory, an analysis of its implications for traditional liberal theory, and an application of feminist theory to law.

Prerequisite: JPP343H1/ JPP343Y1/ POL320Y1/ POL320Y5/(POLC73H3, POLC74H3)

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

POL433H1 - Topics in United States Government and Politics

Hours: 24S

Selected issues and topics in U.S. politics. Varies from year to year.

Prerequisite: 1.0 POL credit

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

JRA437H1 - Government, Law and Politics in Russia

Previous Course Number: POL437H1

Hours: 24S

Law in the governance of Russia, in the Soviet and post Soviet periods, including constitutional development, courts, business disputes, crime and criminal justice, corruption, cultural obstacles to legal order, and legal transition in comparative perspective. (*Given by the Department of Political Science and the Centre for European, Russian, and Eurasian Studies*)

Prerequisite: HIS351Y1/ POL354H1/a course in Russia or Soviet politics

Exclusion: POL437H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL434H1 - Enlightenment and its Critics

Previous Course Number: POL434Y1

Hours: 24S

This course explores, through the writings of its foremost advocates and adversaries, the Enlightenment, the movement to found political life on the principles of scientific reason, universally applicable and accessible to human beings.

Prerequisite: POL320Y1/POL320Y5/ POL330Y1/(POLC73H3, POLC74H3)

Exclusion: POL434Y1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

POL435H1 - Business and Politics: Power in a Global World

Hours: 24S

This seminar course examines the political power of business from an international and comparative perspective. Topics include the role of public authority in governing business behavior, the formation of business interests, corporate lobbying, structural and ideational business power, corporate social responsibility, and transnational private governance.

Prerequisite: 2.0 POL credits in International Relations or Comparative Politics. See the Department's website
<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group

Exclusion: POL438H1 (Topics: Business Politics), taken in Winter 2015 or Winter 2016

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL438H1 - Topics in Comparative Politics I

Hours: 24S

Selected issues in comparative politics. Varies from year to year.

Prerequisite: 2.0 POL credits in comparative politics. See the Department's website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL438Y1 - Topics in Comparative Politics I

Hours: 48S

Selected issues in comparative politics. Varies from year to year.

Prerequisite: 2.0 POL credits in comparative politics. See the Department's website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL439H1 - The Canadian Welfare State in Comparative Perspective

Hours: 24S

The course examines contemporary Canadian social policy in light of the scholarly literature on the welfare states of advanced industrial societies. Topics include the variety of welfare state regimes in rich nations, and their comparative performance in reducing inequality and poverty, in labour market and economic outcomes, and in addressing the specific circumstances of women. Specific Canadian policy fields examined will include pensions, social assistance, child care and health insurance.

Prerequisite: POL214Y1/POL214Y5/POLB50Y3/ POL224Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL443H1 - Topics in Comparative Politics II

Hours: 24S

Selected issues in comparative politics. Varies from year to year.

Prerequisite: 2.0 POL credits in comparative politics. See the Department's website
<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL443Y1 - Topics in Comparative Politics II

Hours: 48S

Selected issues in comparative politics. Varies from year to year.

Prerequisite: 2.0 POL credits in comparative politics. See the Department's website
<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL445H1 - Politics of Growth in Developing Countries

Hours: 24S

The course examines the politics of economic growth in developing countries. It focuses on political factors to analyze why some developing countries have done better in terms of growth than others. Conceptual frameworks of growth and related themes such as regime type, institutions, inequality and ethnicity will be addressed.

Prerequisite: POL201Y1/(POLB90H3, POLB91H3); minimum 14 credits

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL441H1 - Topics in Asian Politics

Hours: 24S

Selected issues in Asian politics. Content in any given year depends on instructor.

Prerequisite: POL201Y1/(POLB90H3, POLB91H3); minimum 14 credits

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL442H1 - Topics in Latin American Politics

Hours: 24S

The seminar focuses on five countries in the Andean region of Latin America: Venezuela, Colombia, Ecuador, Peru and Bolivia. First part deals with the challenges to democracy in the region. Second part explores potential solutions - in particular the drafting of new constitutions by popularly elected constituent assemblies.

Prerequisite: POL201Y1/(POLB90H3, POLB91H3); POL305Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL446H1 - 20th-Century Political Thought**Hours:** 24S

The goal of this course is to introduce students to some of the themes and approaches of critical theory (power, subjectivity, ideology, and hegemony).

Prerequisite: POL200Y1/POL200Y5/ POL320Y1/ POL320Y5/(POLC70H3, POLC71H3)/a course in PHL

Exclusion: POL446Y1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

JHP451Y1 - The People from Nowhere**Hours:** 48S

This course traces from earliest times to the present the evolution of a people called Carpatho-Rusyns and their historic homeland 'Carpathian Rus', located in the heart of Europe. The historic survey will deal with political, socioeconomic, and cultural developments, all the while testing the hypothesis that nationalities are imagined communities. (*Given by the Departments of History and Political Science*)

Recommended Preparation: a course in eastern European history, or in nationalism

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

POL447H1 - Political Economy of Development**Hours:** 24S

The course explores the rise, evolution, and performance of the dominant neoliberal approach to development and poverty reduction. It also assesses the feasibility and efficacy of alternative development strategies. Case studies are drawn from Latin America, Asia, and Africa.

Prerequisite: POL201Y1/ POL215Y1/ POL301Y1/ POL305Y1/ (POLB90H3, POLB91H3); minimum 14 credits

Recommended Preparation: Introductory economics is helpful

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL451H1 - Contentious Politics and Social Movements**Hours:** 24S

Provides an introduction to various perspectives on contentious politics, social movements, and civil society. Students will acquire a solid foundation in the theories of contention as well as examine case studies of civil society in a comparative context.

Prerequisite: POL201Y1/(POLB90H3, POLB91H3)/ POL203Y1/ POL203Y5/ POL207Y1/ POL214Y1/POL214Y5/POLB50Y3/ POL215Y1/ POL224Y1/POL302Y5 and minimum 14 credits

Exclusion: POLD91H3

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL450H1 - Women and Politics**Hours:** 24S

This course uses theories of representation as well as gender and politics analyses of elected women as starting points to evaluate appointed women elites at the international level, notably with reference to linkages between those decision-makers and feminist perspectives on domestic and global politics.

Prerequisite: POL344H1/ POL344Y1/ JPP343H1/ JPP343Y1

Exclusion: POL368H5

Recommended Preparation: At least one course in both political behaviour and women's studies

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL453H1 - Authoritarianism in Comparative Perspective**Hours:** 24S

This course examines the politics of authoritarianism in theory and practice. It covers major theories in authoritarian politics, ranging from electorate theory, authoritarian institutions, impact of institutions on political outcome, ways of measuring authoritarian state power, democracy and development, to social movement and state repression in authoritarian regime, and political transitions. On empirical application, we will draw on cases from around the world, with some emphasis on Asian authoritarian states.

Prerequisite: 2.0 POL FCEs

Exclusion: POL410H1 (Topics in Comparative Politics III: Authoritarianism in Comparative Perspective), offered in Winter 2017, Fall 2017, and Fall 2018

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

JHP454Y1 - Twentieth Century Ukraine**Hours:** 48S

World War I and the Russian Revolution: the Ukrainian independence movement; the Soviet Ukraine and west Ukrainian lands during the interwar period; World War II and the German occupation; the Soviet Ukraine before and after the death of Stalin. Socio-economic, cultural, and political developments. (*Given by the Departments of History and Political Science*)

Prerequisite: A course in modern European, East European or Russian history or politics such as HIS250Y1/ HIS351Y1/ HIS353Y1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

POL456Y1 - The G8, G20 and Global Governance**Hours:** 48S

The development, operation, and participants of the Group of Eight (G8) and Group of Twenty (G20) of institutions, their growth and performance as centres of global governance, and their relationship with the United Nations (UN) and Bretton Woods galaxy in providing public goods in economic, social, environmental and security realms.

Prerequisite: POL208Y1/POL208Y5/(POLB80H3, POLB81H3)/
POL312Y1/ POL343Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL454H1 - Innovation and Knowledge Transfer in City Regions**Hours:** 24S

This course surveys two of the key themes related to the process of innovation in a knowledge-based economy: the process by which new knowledge is generated and effectively transferred to those organizations with the potential to commercialize it; and secondly, the paradoxical relationship between knowledge creation and proximity in a modern global economy. (Offered in alternate years)

Prerequisite: CSC300H1/ GGR431H1/ HPS202H1/ HPS431H1/
POL218Y5/a POL 300 or 400 level course in comparative politics.
See the Department's website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/>
for POL courses by area group/ POL409H1/ SOC356Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

JPF455Y1 - Cities**Hours:** 48S

Examines disciplinary and developmental boundaries relating to cities. By bringing together a cross-disciplinary faculty who focus on cities within Political Science, History, Philosophy, Literature, Design, Environment and Health, Geography or Social Work, the course explores inter-disciplinary city issues: global change; environment; economic adjustment; state reform and city politics; citizenship; community development; economic development; physical form, territory and political-economy of cities. (*Given by the Departments of Literature, Philosophy, Political Science, Urban Studies, Faculty of Social Work and Faculty of Architecture, Landscape and Design*)

Prerequisite: Minimum 14 credits/permission of instructor

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL457Y1 - Markets, Justice and the Human Good**Hours:** 48S

The course offers a philosophical perspective on the advantages and disadvantages of markets as ways of organizing economic activity. It asks in what ways markets and market-like arrangements can contribute to or create obstacles to the achievement of justice and human well-being.

Prerequisite: POL320Y1 or permission of the instructor

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

JPR458H1 - Postsecular Political Thought: Religion, Radicalism and the Limits of Liberalism**Hours:** 24S

The course will examine debates on postsecularism and religion's public, political role as articulated by political thinkers such as Jurgen Habermas, by focusing on politically radical or revolutionary challenges to liberalism in the 20th and 21st century, especially from the postcolonial world, whose theoretical arguments are grounded upon or draw their inspiration from religious traditions, doctrines and practices.

Prerequisite: A 3rd year course in Political Science and/or Study of Religion

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

JPR459H1 - Fanaticism: A Political History**Hours:** 24S

This seminar in theory will explore the modern history of the concept of 'fanaticism' and its role in the development of political modernity. A focus on the concept of the "fanatic" (and its cognates) from the perspective of its various uses in political and religious thought from the Early Modern period through the Enlightenment and up to the present day, provides a fascinating opportunity for a critical review of the secular, rationalist, and scientific assumptions underwriting modern political forms and concepts, especially those of liberal democracy. At the same time, the course will offer critical insight into the ways in which religious and political differences among colonial "others" were, and continue to be, central to the elaboration of Western theoretical discourse on fanaticism and extremism as forms of "political pathology". (*Given by the Departments of Political Science and Religion*)

Prerequisite: (2 FCEs in Political Theory and/or Philosophy including 1.0 FCE at the 300 level) or (0.5 FCE in Method and Theory in the Study of Religion and 1 FCE at the 300 level in the Study of Religion)

Distribution Requirements: Social Science; Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

POL459Y1 - The Military Instrument of Foreign Policy**Hours:** 48S

The relationship of military force to politics: Nuclear war and deterrence, conventional war, revolutionary war, terrorism and counter-insurgency are examined from the perspectives of the U.S., Russia and other contemporary military powers.

Prerequisite: POL208Y1/POL208Y5/(POLB80H3, POLB81H3)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL460H1 - Studies in Modern Political Theory**Hours:** 24S

Studies on a modern political thinker or thinkers since Machiavelli.

Prerequisite: POL320Y1/POL320Y5/ POL323Y1/ POL330Y1/ (POLC73H3, POLC74H3)

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

POL461H1 - Studies in Civic Republicanism**Hours:** 24S

The course focuses on texts in the history of political thought drawn from the tradition of civic republicanism. The texts treated vary from year to year.

Prerequisite: POL200Y1/POL200Y5/(POLC70H3, POLC71H3);
POL320Y1/POL320Y5

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL464H1 - Urban Policy and Policymaking**Hours:** 24S

This course examines the varied drivers and challenges of urban policy and policymaking processes, focusing primarily on the U.S. and Canada but also extending globally. It includes discussion of the policy challenges confronting cities in the contemporary context, theoretical approaches to understanding their origins and solutions, and an exploration of the available solutions.

Prerequisite: POL203Y1/POL203Y5/ POL214Y1/POL214Y5/
POL224Y1/POLB50Y3

Exclusion: POL476H1 (Topics: Urban Policy and Policymaking), taken in Winter 2016 and Winter 2017.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL466H1 - Topics in International Politics III**Hours:** 24S

For advanced students of international relations. Various topics are taken up each year, the content of which depends on the instructor.

Prerequisite: POL208Y1/POL208Y5/(POLB80H3, POLB81H3)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL467H1 - The Politics of Immigration and Multiculturalism in Canada

Hours: 24S

This course examines Canadian immigration and multiculturalism from theoretical, empirical and applied perspectives. It includes a discussion of normative foundations, an analysis of the components of the policy framework, and an assessment of the impact of immigration and multiculturalism on other aspects of social, cultural and political life.

Prerequisite: POL214Y1/POL214Y5/POLB50Y3/ POL224Y1

Exclusion: POL490H1 (Topics in Canadian Politics I: Immigration and Multiculturalism in Canada), offered in Winter 2014

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL469H1 - Ethics and International Relations

Hours: 24S

The course aims to explore the requirements of justice and fairness in international affairs. It is common to theorize international relations in terms of interests and power. But even the most cursory look at what important actors actually do in their international interactions reveals that they use normative language all the time. This has not gone unnoticed, with investigations of ethics in the international arena multiplying in recent years. Drawing on readings from political philosophy, legal theory, and normative international relations theory, the course will take up practical ethical dilemmas encountered in world affairs. The main focus of the course will be on institutions. Examples will be drawn from the issue areas of trade, health, and the environment, among others.

Prerequisite: POL208Y1/POL208Y5/(POLB80H3, POLB81H3)

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

POL468H1 - International Relations of Ethnic Conflict

Hours: 24S

This course explores the internationalization of ethnic conflict and the international drivers of civil war. It covers diaspora politics, contagion and demonstration effects, regional security complexes, separatism and irredentism, and international interventions.

Students are expected to write an original social science research paper, and participate in discussions, simulations, and teamwork.

Prerequisite: POL208Y1/POL208Y5/(POLB80H3, POLB81H3)

Exclusion: POL466H1 (Topics in International Politics III: International Relations of Ethnic Conflict), offered in Fall 2013, Winter 2015, and Winter 2016; POLD09H3

Recommended Preparation: A 300-level course in International Security is recommended.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL471H1 - Urban Revolution: Contemporary Constellations of Spatial Politics

Hours: 24S

An analysis of urban processes in comparative perspective. This course uses critical urban theory to understand contemporary urban politics and urban social movements in a variety of contexts.

Prerequisite: 1.0 POL credit in comparative politics and 1.0 POL credit in political theory. See the Department's website <http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Exclusion: POL 492H1(F), L0101 (Taken in 2013-14 and 2014-15)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL472H1 - The Comparative Political Economy of Industrial Societies

Hours: 24S

Topics discussed will include the historical origins of advanced capitalist political economies, the 'Varieties of Capitalism' debate, current trajectories of different political economies, labour politics and regulation, the politics of macro-economic policy, the political economy of growth, and Canada's political economy.

Prerequisite: POL207Y1/ POL224Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL474H1 - Politics and Policy Analysis**Hours:** 24S

Major theories of public policy-making and related approaches to policy analysis are examined from the perspective of political science. Key contributions to the theoretical literature pertaining to leading models are read and discussed. Models of public policy-making are successively applied to analysis of cases of Canadian and comparative policy development.

Prerequisite: POL214Y1/POL214Y5/POLB50Y3/ POL224Y1/ POL317H1/ POL317Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL475Y1 - Post-Modern and Contemporary Thought

Previous Course Number: JPD439Y1

Hours: 48S

The development of post-modern thought, particularly in French social philosophy, is examined. Topics such as the nature of exchange, the impact of technology, virtual reality, and the digital class are explored. Authors include Jean Baudrillard, Paul Virilio, Gilles Deleuze, Arthur Kroker, Francois Lyotard.

Exclusion: JPD439Y1

Recommended Preparation: POL200Y1/POL200Y5/(POLC70H3, POLC71H3)

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

POL476H1 - Topics in Public Policy

Hours: 24S

The course is designed for advanced students with serious interests in the public policy field. Specific topics covered will vary from year to year.

Prerequisite: POL214Y1/POL214Y5/POLB50Y3/ POL224Y1/ POL317H1/ POL317Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL476Y1 - Topics in Public Policy

Hours: 48S

The course is designed for advanced students with serious interests in the public policy field. Specific topics covered will vary from year to year.

Prerequisite: POL214Y1/POL214Y5/POLB50Y3/ POL224Y1/ POL317H1/ POL317Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL477H1 - Advanced Topics in International Political Economy

Hours: 24S

The course is designed for advanced students with serious interests in the subfield of international political economy. Specific topics covered will vary, but all involve the deep interplay between politics and economics in the contemporary world.

Prerequisite: POL208Y1/POL208Y5/(POLB80H3, POLB81H3); ECO100Y/(ECO101H1, ECO102H1)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL478H1 - Topics in Methods

Hours: 24S

Various topics are taken up each year, the content of which depends on the instructor.

Prerequisite: POL232H1/ POL242Y1/ POL322H1/equivalent

Distribution Requirements: Social Science

POL479H1 - Topics in Middle East Politics

Hours: 24S

The course examines the contemporary politics of the Middle East and North Africa. It seeks to examine the relative importance of political, socio-economic and ideological factors in the context of such issues as the resilience of authoritarianism, the rise of civil society, and the resurgence of Islamic activism. Theoretical discussion is followed by case studies.

Prerequisite: POL201Y1/(POLB90H3, POLB91H3); minimum 14 credits

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL480H1 - Studies in Comparative Political Theory

Hours: 36S

We will critically examine what "comparative political theory" is and what it would mean to genuinely "deparochialize" political theory, that is, to de-center Euro-American thought in the study of political ideas. The course neither presupposes background knowledge of any non-Western thought tradition, nor does it aspire to provide students with sufficient knowledge of particular traditions to ground serious scholarly contributions to this emerging field. To provide that background would require a series of specialized courses in, e.g., East Asian political thought, Indian political thought, Latin American political thought, Indigenous political thought, African political thought, and so on. Rather, the course aims at sharpening our understanding of (a) the purposes served by "deparochializing" political theory; and (b) the various methods by which we can seek to serve these purposes.

Prerequisite: POL200Y1/POL200Y5/ POL320Y1/POL320Y5/ JPP343H1/ JPP343Y1/(POLC70H3, POLC71H3)

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

POL484Y1 - Topics in Political Thought I

Hours: 48S

A seminar on a central problem in political thought. It proceeds through the reading of a small number of major texts. Content in any given year depends on instructor.

Prerequisite: POL320Y1/POL320Y5/(POLC73H3, POLC74H3)

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

POL485H1 - Topics in Political Thought II

Hours: 24S

A seminar on a central problem in political thought. It proceeds through the reading of a small number of major texts. Content in any given year depends on instructor.

Prerequisite: POL320Y1/POL320Y5/(POLC73H3, POLC74H3)

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

POL481H1 - Geopolitics of Cyberspace

Hours: 24S

The Geopolitics of ICTs course is an intensive examination of the ways in which states and non-state actors are contesting the newly evolving terrain of global digital-electronic-telecommunications. Topics covered include Internet censorship and surveillance, information warfare, computer network attacks, hacktivism, and governance of global communications. The course is organized as a series of intensive modules. One feature of the class will be a "hands-on" analysis of censorship circumvention and network interrogation techniques at the Citizen Lab (<http://www.citizenlab.org/>).

Prerequisite: POL208Y1/POL208Y5/(POLB80H3, POLB81H3)

Exclusion: POL481Y1/ POL486Y1 (taken in 2008-09)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL485Y1 - Topics in Political Thought II

Hours: 48S

A seminar on a central problem in political thought. It proceeds through the reading of a small number of major texts. Content in any given year depends on instructor.

Prerequisite: POL320Y1/POL320Y5/(POLC73H3, POLC74H3)

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

POL486H1 - Topics in International Politics I

Hours: 24S

For advanced students of international relations. Various topics are taken up each year, the content of which depends on the instructor.

Prerequisite: POL208Y1/POL208Y5/(POLB80H3, POLB81H3)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL484H1 - Topics in Political Thought I

Hours: 24S

A seminar on a central problem in political thought. It proceeds through the reading of a small number of major texts. Content in any given year depends on instructor.

Prerequisite: POL320Y1/POL320Y5/(POLC73H3, POLC74H3)

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

POL486Y1 - Topics in International Politics I**Hours:** 48S

For advanced students of international relations. Various topics are taken up each year, the content of which depends on the instructor.

Prerequisite: POL208Y1/POL208Y5/(POLB80H3, POLB81H3)**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**POL488Y1 - Topics in African Politics I****Hours:** 48S

In depth examination of specific themes relating to contemporary African politics. Content in any given year depends on instructor.

Prerequisite: POL201Y1/(POLB90H3, POLB91H3)/ POL301Y1; minimum 14 credits**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**POL487H1 - Topics in International Politics II****Hours:** 24S

For advanced students of international relations. Various topics are taken up each year, the content of which depends on the instructor.

Prerequisite: POL208Y1/POL208Y5/(POLB80H3, POLB81H3)**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**POL489H1 - Topics in African Politics II****Hours:** 24S

In depth examination of specific themes relating to contemporary African politics. Content in any given year depends on instructor.

Prerequisite: POL201Y1/(POLB90H3, POLB91H3)/ POL301Y1; minimum 14 credits**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**POL487Y1 - Topics in International Politics II****Hours:** 48S

For advanced students of international relations. Various topics are taken up each year, the content of which depends on the instructor.

Prerequisite: POL208Y1/POL208Y5/(POLB80H3, POLB81H3)**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**POL489Y1 - Topics in African Politics II****Hours:** 48S

In depth examination of specific themes relating to contemporary African politics. Content in any given year depends on instructor.

Prerequisite: POL201Y1/(POLB90H3, POLB91H3)/ POL301Y1; minimum 14 credits**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**POL488H1 - Topics in African Politics I****Hours:** 24S

In depth examination of specific themes relating to contemporary African politics. Content in any given year depends on instructor.

Prerequisite: POL201Y1/(POLB90H3, POLB91H3)/ POL301Y1; minimum 14 credits**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**POL490H1 - Topics in Canadian Politics I****Hours:** 24S

Examines in depth enduring and emerging issues in Canadian politics. Content in any given year depends on instructor.

Prerequisite: POL214Y1/POL214Y5/POLB50Y3/ POL224Y1; 1.0 other POL credit in Canadian politics. See the Department's website <http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)

POL490Y1 - Topics in Canadian Politics I**Hours:** 48S

Examines in depth enduring and emerging issues in Canadian politics. Content in any given year depends on instructor.

Prerequisite: POL214Y1/POL214Y5/POLB50Y3/ POL224Y1; 1.0 other POL credit in Canadian politics. See the Department's website for POL courses by area group.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL492Y1 - Topics in Comparative Politics IV**Hours:** 48S

Selected issues in comparative politics. Varies from year to year.

Prerequisite: 2.0 POL credits in comparative politics. See the Department's website <http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL491H1 - Topics in Canadian Politics II**Hours:** 24S

Examines in depth enduring and emerging issues in Canadian politics. Content in any given year depends on instructor.

Prerequisite: POL214Y1/POL214Y5/POLB50Y3/ POL224Y1; 1.0 other POL credit in Canadian politics. See the Department's website <http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL493H1 - Topics in Politics I**Hours:** 24S

An in-depth examination of a "big issue" in Political Science. Content in any given year depends on instructor.

Prerequisite: 3.0 POL credits; minimum 14 credits

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL494H1 - Topics in Politics II**Hours:** 36S

An in-depth examination of a "big issue" in Political Science. Content in any given year depends on instructor.

Prerequisite: 3.0 POL credits; minimum 14 credits

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL495Y1 - Independent Studies**Hours:** TBA

Open only when a Political Science full-time faculty member is willing and available to supervise. Students must find an appropriate supervisor in the Department of Political Science and obtain the approval of the Director of Undergraduate Studies before enrolling. Obtain details and an application form from the Department Undergraduate Office. Application forms can also be downloaded from the Department's website at www.politics.utoronto.ca. Not eligible for CR/NCR option.

Exclusion: POL496H1/ POL497H1

Distribution Requirements: Social Science

POL492H1 - Topics in Comparative Politics IV**Hours:** 24S

Selected issues in comparative politics. Varies from year to year.

Prerequisite: 2.0 POL credits in comparative politics. See the Department's website <http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

POL496H1 - Independent Studies**Hours:** TBA

Open only when a Political Science full-time faculty member is willing and available to supervise. Students must find an appropriate supervisor in the Department of Political Science and obtain the approval of the Director of Undergraduate Studies before enrolling. Obtain details and an application form from the Department Undergraduate Office. Application forms can also be downloaded from the Department's website at www.politics.utoronto.ca. Not eligible for CR/NCR option.

Exclusion: POL495Y1**Distribution Requirements:** Social Science**POL497H1 - Independent Studies****Hours:** TBA

Open only when a Political Science full-time faculty member is willing and available to supervise. Students must find an appropriate supervisor in the Department of Political Science and obtain the approval of the Director of Undergraduate Studies before enrolling. Obtain details and an application form from the Department Undergraduate Office. Application forms can also be downloaded from the Department's website at www.politics.utoronto.ca. Not eligible for CR/NCR option.

Exclusion: POL495Y1**Distribution Requirements:** Social Science**POL498H1 - Intensive Course****Hours:** TBA

Content in any given year depends on instructor. Intensive courses are offered by distinguished visitors from around the world. Students in their 4th year are strongly encouraged to take advantage of this unique opportunity to study with one or more outstanding visiting international scholars that the Department brings from time to time. The intensive course usually runs for approximately 3-4 weeks.

Distribution Requirements: Social Science**POL498Y1 - Intensive Course****Hours:** TBA

Content in any given year depends on instructor. Intensive courses are offered by distinguished visitors from around the world. Students in their 4th year are strongly encouraged to take advantage of this unique opportunity to study with one or more outstanding visiting international scholars that the Department brings from time to time. The intensive course usually runs for approximately 3-4 weeks.

Distribution Requirements: Social Science**POL499Y1 - Senior Thesis and Thesis Seminar****Hours:** TBA

A 40 to 60 page (15,000 to 20,000 word) research paper (75% of the final mark) written under the supervision of a political science faculty member and a companion thesis seminar (25% of final mark). The seminar provides a forum for students to periodically present and discuss their on-going research and to examine issues and approaches related to the structure, organization and presentation of the thesis. Not eligible for CR/NCR option.

Prerequisite: 4th year status in Specialist or Joint Specialist programs in Political Science; 3.0 GPA in Political Science courses; supervisor's approval; an approved thesis proposal.

Exclusion: POL495Y1/ POL496H1/ POL497H1 (taken in the same session)

Distribution Requirements: Social Science

Portuguese

Faculty List

Professors Emeriti

- Ricardo Sternberg, MA, Ph D (SM)
- J.R. Webster, MA, Ph D, FRSC (SM)
- Manuela Marujo, MA, Ph D

Professor and Chair of the Department

- L. Colantoni, MA, Ph D

Assistant Professors

- Anabela Rato, MA, Ph D

Lecturer (Instituto Camões)

- Luçiana Graça

Introduction

Overview:

Portuguese is the sixth most widely used language in the world. It is spoken by more than two hundred and sixty million people on four continents inhabited by the Lusophone population: Europe, Africa, Asia, and the Americas. Twenty percent of all residents of the Western Hemisphere are Brazilians, a fact attesting to the truth that one out of every five Americans - North, Central, South - speaks Portuguese as his or her native language. The literature of Portugal has a tradition that goes back as far as the twelfth century, and the discoveries of its Renaissance seafarers led the language and the culture to all corners of the globe.

The Department offers an integrated curriculum, combining courses in language, linguistics, literature, and culture. Courses in the studies of the Lusophone world provide a diverse, flexible and detailed examination of the Portuguese language and its cultures. The skills and knowledge developed in these courses lay the groundwork for careers in teaching, journalism, translation, publishing, and foreign services, as well as for research in a variety of fields. In the Canadian job market, command of the Portuguese language is a definite advantage. Toronto has one of the largest Portuguese speaking diasporas, and Canada has been establishing strong cultural, political and business ties with Brazil.

Why should I learn Portuguese?

- Portuguese gives you access to a rich and fascinating culture.
- Portuguese is the world's sixth most widely spoken language.
- Portuguese is a mother tongue in the 5 continents, parallel only to English and Spanish.
- Portuguese is the most widely spoken language in the Southern Hemisphere.
- Portuguese unites Portuguese-speaking diasporas all over the world in countries such as Canada, the United States, South-Africa, France or Switzerland.

- Portuguese has one of the highest growth rates as a second language in the Internet, in social networks and in learning as a foreign language.
- Portuguese is a Romance language, so if you already know another Romance language (Spanish, Italian, etc.), you will find it easier to learn it.
- Portuguese is now the first foreign language in the educational system of many countries.
- Portuguese is the official language of some of the fastest growing economies in the world, namely Brazil and Angola.

What can I do with a degree in Portuguese?

- Education
- Marketing, Editing, Copywriting
- Journalism, Media
- Library and Information Sciences
- Public Relations
- Research
- Foreign Services/Foreign Affairs Specialist
- International development
- Political Aid
- National and international law

How is the program structured?

For many students, our program begins with the language sequence.

Language sequence:

1. The Department reserves the right to place students in the language course best suited to their linguistic preparation. Please contact the Undergraduate Coordinator if you would like to take a Placement test to help you determine your level of linguistic competence in Portuguese.
2. Students who, in the department's assessment, have an adequate knowledge of Portuguese may be required to take Portuguese literature, culture or linguistic course instead of a language course at any level.

The progression of courses in the language sequence is designed to accommodate a wide range of previous language experience. Students are placed in the appropriate language course based on their proficiency as determined by departmental assessment.

Students who have had little to no previous experience in studying Portuguese may enroll in an intensive course, PRT100Y1.

Students who have a strong background in Spanish language (native fluency or minimum SPA320Y1), should enroll in PRT120Y1.

Students who have had previous experience in studying Portuguese may enroll in several intermediate and advanced courses, depending on their background and their level of preparation. Speakers with an intermediate level of Portuguese, including those who successfully completed PRT100Y1 should enroll in PRT220Y1.

Those students who have had exposure to spoken Portuguese in an informal context (i.e., those who live in a Portuguese-speaking environment; for instance, those who have grown up in a Portuguese-speaking country, or who live in Portuguese speaking families), but who have had little to no exposure to written

Portuguese, should enrol in PRT219Y1. Students who qualify for this course are able to understand and speak Portuguese. They speak Portuguese relatively fluently, but they usually do not write or read Portuguese.

Students who have completed PRT120Y1 or PRT220Y1 should proceed to PRT320Y1. Those students who come to the program with an advanced level of Portuguese as assessed by the department should also proceed to take PRT320Y1 or PRT420H1.

Following PRT320Y1, students are qualified to enroll in PRT420H1. This course is appropriate for students with a relatively high vocabulary base and good command of grammar and academic writing who need to increase their lexicon, and who need further formal instruction in grammar and writing.

PRT423H1, a course for advanced speakers of Portuguese, trains students to develop their skills in a range of professional language fields, such as finances, law, medicine, and education.

Students who are unsure of what is the most appropriate placement for them in the language sequence should contact the Undergraduate Coordinator to receive personal assessment and recommendation for proper placement.

Fluent speakers of Portuguese who have received a high school or a higher level of education in the Portuguese language, and who in the department's assessment does not need further training in language, may enroll immediately in any linguistics, literature or culture course.

Literature, culture and linguistics courses:

Portuguese opens the door to a rich range of cultural expressions in literature, film, and art, from the world-changing contribution of Renaissance Portugal to the contemporary Brazilian and Luso-African diaspora. Whether it is Nobel-prize winning Portuguese literature or the excitement of the Brazilian cinema novo, Lusophone writers, filmmakers, and artists continue to shape and change contemporary global culture.

Portuguese also opens the door to the study of the Romance language family. The Department offers students the opportunity to advance their language skills through the systematic reflection on the language structure. Through a variety of courses with a theoretical and experimental focus in linguistics, students acquire basic skills that can be transferred to teaching or research programs. Through collaboration with other language and linguistics programs, students are provided with opportunities and training to conduct research in linguistics with a focus on the Portuguese language.

The Department encourages students to consider completing part of their course work at a university in Portugal or Brazil.

Students should contact the Undergraduate Coordinator early on in the course of their university career to receive advice on how to proceed with their studies and to thus assure that they can receive their degree by the time of planned graduation. For further information, please contact us in the **Department of Spanish and Portuguese**, Victoria College, Room 208

- Webpage: <http://spanport.utoronto.ca/>
- Telephone (416) 813-4080
- Email: spanport@chass.utoronto.ca
- Undergraduate Coordinator (416) 813-4082.
 - E-mail: spanport.undergraduate@utoronto.ca

Portuguese Programs

Portuguese Specialist (Arts Program) - ASSPE0338

Completion Requirements:

Consult Professor Sandra Munjic, Department of Spanish and Portuguese.

(10 full courses or their equivalent, including at least one 400-series course)

First Year:

PRT100Y1/ PRT120Y1/ PRT219Y1/ PRT220Y1

Second Year:

1. PRT220Y1/ PRT320Y1
2. PRT258H1

Third and Fourth Years:

1. PRT320Y1
2. PRT420H1 / PRT423H1

3. Plus additional PRT courses to make ten courses. Up to two full-course equivalents may be taken from cognate departmental or college offerings: GGR, HIS, LAS, POL, SPA. A complete list of eligible courses is available from the Undergraduate Coordinator.

Portuguese Major (Arts Program) - ASMAJ0338

Completion Requirements:

Consult Professor Sandra Munjic, Department of Spanish and Portuguese.

(7 full courses or their equivalent)

First Year:

PRT100Y1/ PRT120Y1/ PRT219Y1/ PRT220Y1

Second Year:

1. PRT220Y1/ PRT320Y1
2. PRT258H1

Third and Fourth Years:

1. PRT320Y1
2. PRT420H1 is recommended for students who start in PRT100Y1, and is required for students who start in PRT220Y1 or higher language course.
3. Plus additional PRT courses to make seven courses. Up to one full-course equivalent may be taken from cognate departmental or college offerings: GGR, HIS, LAS, POL, SPA. A complete list of eligible courses is available from the Undergraduate Coordinator.

Portuguese Minor (Arts Program) - ASMIN0338

Completion Requirements:

Consult Professor Sanda Munjic, Department of Spanish and Portuguese.

4 full courses or their equivalent, including at least one course at the 300+ level.

First Year:

PRT100Y1/ PRT220Y1; PRT219Y1 (for native / bilingual speakers of Spanish)

Second Year:

PRT220Y1 / PRT320Y1;

Third Year:

PRT320Y1

Additional PRT courses to make four (4.0 FCE) courses. Up to one full-course (1.0 FCE) equivalent of cognate credit may be taken in Spanish.

Faculty of Arts & Science Language Citation

The Department of Spanish and Portuguese participates in the Faculty of Arts and Science's Language Citation initiative for Portuguese. For a full description of the Language Citation requirements, see the Calendar in the "Degree Requirements" section.

To complete the language citation in Portuguese students will normally complete the two language-sequence courses that follow the introductory level:

PRT219Y1 or PRT220Y1
PRT320Y1

Native and bilingual speakers should complete PRT219Y1 and two additional half-courses in Portuguese in the 300- or 400-series.

Students should note that, as explained in this Calendar, the Language Citation is not equivalent to an academic program and that enrolment in a program is not necessary in order to earn the recognition bestowed by the Citation.

To request the citation, e-mail your request with your student ID number to the Undergraduate Coordinator (spanport.undergraduate@utoronto.ca).

Regarding Portuguese Courses

Note

- **Portuguese: see also European Studies; Latin American Studies**

Notes

- The Department reserves the right to place students in the language course best suited to their linguistic preparation.
- Students who, in the department's assessment, have an adequate knowledge of Portuguese may be required to take a Portuguese linguistics, literature or culture course instead of a language course at any level.

Portuguese Courses

PRT100Y1 - Portuguese for Beginners

Hours: 48L/48T

An intensive basic course in spoken and written Portuguese for students who have no knowledge of this language. It aims to give students a basic knowledge of reading, listening, spoken and written skills in a dynamic and communicative way. Presentation of cultural aspects of the Portuguese-speaking world.

Prerequisite: No previous knowledge of Portuguese.

Exclusion: PRT110Y1, PRT120Y1, PRT219Y1, PRT220Y1, PRT320Y1, PRT420H1, PRT420Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

PRT120Y1 - Portuguese for Spanish Speakers

Hours: 48L/24T

Introduction to the Portuguese language for speakers of Spanish. Development of listening, speaking, reading, and writing skills with an emphasis on communication, and an overview of basic grammatical structures and building of vocabulary. Presentation of cultural aspects of the Portuguese-speaking world.

Prerequisite: Native (or near-native) knowledge of Spanish (min. SPA320Y for non-native speakers of Spanish); no previous knowledge of Portuguese.

Exclusion: PRT100Y1, PRT110Y1, PRT220Y1, PRT320Y1, PRT420Y1, PRT420H1, PRT219Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

PRT219Y1 - Academic Portuguese

Hours: 48L/24T

Meets the needs of students who have had exposure to spoken Portuguese in an informal context (living in a Portuguese speaking country, or in a Portuguese speaking family) but little to no exposure to written Portuguese. Besides reviewing English/Portuguese spelling differences, written and spoken registers of Portuguese, and basic aspects of the grammatical system, the course (1) provides students with the essential understanding of Portuguese grammatical system; (2) builds their vocabulary; and (3) trains them to express themselves formally in both spoken and written Portuguese.

Prerequisite: Basic to relatively high ability to speak and understand Portuguese; limited or no formal education in Portuguese.

Exclusion: PRT100Y1, PRT110Y1, PRT120Y1, PRT220Y1, PRT320Y1

Breadth Requirements: Creative and Cultural Representations (1)

PRT220Y1 - Intermediate Portuguese

Hours: 48L/24T

This course will bring together Portuguese grammar and language skills into a useful and practical framework, in order to develop students' skills to communicate in an accurate, effective, and informed manner within a variety of socio-cultural situations. Besides introducing new grammar topics corresponding to the intermediate level, it also includes a grammar review with extra work on vocabulary acquisition. Focuses on comprehension, development of a greater complexity in students' written and oral productions, and gaining a better understanding of Portuguese-speaking cultures.

Prerequisite: PRT100Y1

Exclusion: PRT219Y1/ PRT110Y1/ PRT120Y1/ PRT320Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

PRT221H1 - Portuguese Pronunciation

Hours: 24L

Overview of Portuguese speech sounds (articulation and transcription). The course provides perception and pronunciation training of Portuguese vowels, consonants, stress, intonation, and co-articulation phenomena in connected speech. The main focus will be on European Portuguese and Brazilian Portuguese, but differences between these two and other Portuguese accents will be discussed as well.

Prerequisite: PRT100Y1

Corequisite: PRT120Y1/ PRT220Y1

Exclusion: PRT219Y1, native speakers of Portuguese

Breadth Requirements: Thought, Belief and Behaviour (2)

PRT250H1 - Introduction to Lusophone Culture

Hours: 24L

A survey of historical and cultural trends in the Portuguese-speaking world, from colonial past to the present. (Offered in alternate years; taught in English)

Exclusion: PRT252

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

PRT258H1 - Introduction to Lusophone Literature

Previous Course Number: PRT258Y1

Hours: 24L

Introduction to literary studies in Portuguese and information literacy. Representative selection of Lusophone prose, poetry, and drama, with a focus on critical terminology and methods of literary analysis. Required for a program degree.

Prerequisite: First semester PRT220Y1

Exclusion: PRT258Y1

Recommended Preparation: PRT219Y1/ PRT220Y1/ PRT120Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

PRT299Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

PRT320Y1 - Advanced Portuguese

Hours: 48L/24T

Intensive practice in written and oral Portuguese for the advanced student. Selective review of grammar with emphasis on complex language structures.

Prerequisite: PRT219Y1/ PRT220Y1 or equivalent

Exclusion: PRT420Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

PRT322H1 - Introduction to Portuguese Linguistics

Hours: 24L

An overview of theoretical and methodological aspects of Portuguese linguistics: phonology, morphology, syntax, and semantics. Analysis of structural similarities and differences between the two worldwide main Portuguese varieties - Brazilian and European Portuguese.

Prerequisite: PRT219Y1 or PRT220Y1 or PRT120Y1 or Permission of the Department

Corequisite: PRT320Y1

Recommended Preparation: PRT320Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PRT356H1 - Topics in Portuguese Linguistics

Hours: 24S

A course on a specific topic in Portuguese linguistics, designed for advanced students. Course content and instructor are established on a yearly basis.

Prerequisite: PRT219Y1 or PRT220Y1 or PRT120Y1 or Permission of the Department

Corequisite: PRT320Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PRT358H1 - Topics in Portuguese Studies

Hours: 24L

In years when this course is offered, topics are described in detail on the departmental webpage. Students can enrol in this course multiple times, as long as the topic of the course is different. For any questions, please check with the department.

Prerequisite: PRT219Y1 or PRT220Y1 or PRT120Y1; PRT258H1; or Permission of the Department

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

PRT364H1 - Portuguese Language in the World

Hours: 24L

An overview of the varieties of Portuguese spoken in four continents (Europe, South America, Africa, Asia) and a discussion of the structural similarities and differences between the two most extensively studied varieties: European and Brazilian Portuguese. Analysis of linguistic variation in contemporary Portuguese in terms of phonetics, syntax and lexicon. (Offered in alternate years.)

Prerequisite: PRT219Y1 or PRT120Y1 or PRT220Y1 or Permission of the Department

Recommended Preparation: PRT320Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PRT350H1 - Portuguese Language and Society

Hours: 24L

Explores how factors such as ethnicity, gender, social class and age affect the use of Portuguese language and determine its characteristics. The course overviews mostly the aspects of Brazilian and European Portuguese. (Offered in alternate years.)

Prerequisite: PRT219Y1 or PRT220Y1 or PRT120Y1 or Permission of the Department

Corequisite: PRT320Y1

Recommended Preparation: PRT320Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PRT368H1 - Brazilian Indigenous Languages**Hours:** 24L

Overview of linguistic diversity of Brazil, current practices in the maintenance and revitalization of languages and strategies for empowering indigenous peoples. Linguistic properties of Brazilian languages; introduction to language description by working on small data sets; discussion of the influence of Brazilian indigenous languages on Brazilian Portuguese. Taught in English. (Offered in alternate years.)

Prerequisite: Any 200-level course**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**PRT420H1 - Advanced Academic Portuguese****Hours:** 24L

A study of advanced aspects of formal Portuguese through reading and extensive writing practice, with an aim at developing skills necessary for academic and professional writing and oral presentations.

Prerequisite: PRT320Y1 or PRT219Y1 or Placement test**Exclusion:** PRT420Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**PRT423H1 - Community Engaged Learning of Portuguese in Toronto and the GTA****Hours:** 24L/12P

This course combines advanced language instruction with the richness and complexity of the Lusophone work experience in Toronto, promoting Community Engaged Learning (CEL) as a vehicle for greater linguistic fluency and cultural understanding. Students are placed with community organizations within the Greater Toronto Area and volunteer for 2 hours per week, furthering their language skills and their cultural knowledge. Class work focuses on developing students' communication skills through exposure to a range of topics, from financial, legal, medical to educational, and to an extensive variety of styles and registers in Portuguese. Therefore, students meet real needs in the community by applying knowledge from their Portuguese courses.

Prerequisite: PRT320Y1**Recommended Preparation:** PRT420H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**PRT455H1 - Lusophone Cinema****Hours:** 24L

Explores the films of Portuguese-speaking countries and iconic Angolan, Brazilian, Cape Verdean, Mozambican and Portuguese directors in the context of political and cultural national movements. (Offered in alternate years.)

Prerequisite: PRT258H1**Recommended Preparation:** PRT320Y1, PRT420H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**PRT398H0 - Research Excursions****Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**PRT398Y0 - Research Excursions****Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**PRT399Y1 - Research Opportunity Program****Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

PRT458H1 - The Lusophone Short Story

Hours: 24S

Overview of the short story in the particular context of Portuguese-speaking countries. Examination of theories of the genre as they relate to short stories of Portuguese-speaking writers. (Offered in alternate years)

Prerequisite: PRT258H1

Recommended Preparation: PRT320Y1, PRT420H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

PRT470H1 - Acquisition of Portuguese as a Second Language

Hours: 24S

Invites critical reflection about the acquisition of Portuguese as a second language. Analyzes phonological, morphosyntactic, semantic and lexical aspects in the linguistic performance of bilingual speakers, and of learners of Portuguese as a second language. (Offered in alternate years)

Prerequisite: PRT219Y1/ PRT220Y1

Corequisite: PRT320Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

PRT490H1 - Independent Study

Hours: TBA

Individual study with a member of staff on a topic of common interest including readings, discussion and written assignments. Not eligible for CR/NCR option.

Prerequisite: PRT320Y1 and written approval of the Undergraduate Coordinator

Distribution Requirements: Humanities

Psychology

Faculty List

University Professors Emeriti

F.I.M. Craik, PhD, FRSC
E. Tulving, PhD, D Litt, FD, FRS

Professors Emeriti

J.L. Freedman, PhD
J.E. Grusec, PhD
L. Hasher, PhD
C.P. Herman, PhD
J.A. Hogan, PhD
R.S. Lockhart, PhD
B.B. Murdock, PhD
B.B. Schiff, PhD
S.J. Shettleworth, PhD
I. Spence, PhD
G.C. Walters, PhD
J.S. Yeomans, PhD

University Professors

M. Moscovitch, PhD

Professor and Chair of the Department

S. Ferber, PhD

Professor and Graduate Chair of the Department

A. Chasteen, PhD

Associate Professor, Teaching Stream and Acting Associate Chair (Undergraduate Studies)

A. Waggoner Denton, PhD

Director (Graduate Studies)

N. Anderson, PhD

Professor and Associate Director (Graduate Studies)

G. MacDonald, PhD

Professors

W. Cunningham, PhD
G. Einstein, PhD
C.C. Helwig, PhD
J.B. Peterson, PhD
J.W. Pratt, PhD
M.R. Ralph, PhD
J. Sommerville, PhD

Associate Professors

M. Barense, PhD
J. Kim, PhD
P. Lockwood, PhD
E. Page-Gould, PhD
J.E. Plaks, PhD
N. Rule, PhD
R.W. Tafarodi, PhD
K. Takehara, PhD

Assistant Professors

D. Bernhardt-Walther, PhD
D. Buchsbaum, PhD
L. Corbit, PhD
A. Finn, PhD
K. Duncan, PhD

M. Mack, PhD
R. Neel, PhD
M. Schlichting, PhD
C. Starmans, PhD

Associate Professors, Teaching Stream

D. Dolderman, PhD

Assistant Professors, Teaching Stream

M. Metz, PhD
A. Sharples, PhD
J. Vervaeke, PhD
S. Wood, PhD

Sessional Lecturers

T. Boritz, PhD
C. Burton, PhD
H. Gordon, PhD
N. Stuckless, PhD
W. Huggon, PhD

Special Lecturers

J. Downar, MD, PhD
P. Selby, MA, MD

Introduction

Psychology is the branch of science that focuses on the behaviour of human beings and animals. Our courses span the various areas of psychology and introduce students to the methods used in psychological research. The basic tools of a research psychologist include experimentation in the laboratory and field, naturalistic observation, and the use of statistical methods in interpreting data.

Our faculty have highly diversified interests which are reflected in the number and variety of our undergraduate course offerings. These include courses in cognitive neuroscience, cognitive psychology, computational neuroscience, developmental psychology, human and animal learning, perception, personality psychology, physiological psychology, and social psychology.

For more information, please consult our website (<http://home.psych.utoronto.ca/>) or one of the following:

Undergraduate Administrator: Sidney Smith Hall, Room 4014 (416-978-3407, undergrad@psych.utoronto.ca)

Prospective Student Inquiries: Sidney Smith Hall, Room 4026 (416-978-7304, sellers@psych.utoronto.ca)

Main Office/General Inquiries: Sidney Smith Hall, Room 4020 (416-978-5201, info@psych.utoronto.ca)

Regarding Psychology Programs

Psychology programs at the St. George Campus are limited enrolment, which means there are a limited number of spaces to offer students. Please note that just meeting the minimum admission requirements does not guarantee one a spot in any of our programs and, in most cases, students will need to exceed them to be competitive because of the volume of applications in comparison to the number of program spaces available.

Entry into all Psychology programs requires the minimum of a senior-level (Gr. 12) high school course in Calculus, as well as Grade 12 Biology. Please note that these two requirements will not be waived. Students who completed PSY100Y1 before 1998 at the University of Toronto are exempt from the Calculus requirement.

Psychology Programs

Psychology Research Specialist - Thesis (Science Program) - ASSPE1958

Description:

This program is designed for students who have demonstrated a particular interest and aptitude for research and who want to complete a thesis. Admission to the program is based on strong academic performance and expressed interest in research.

Enrolment Requirements:

Students should apply at the end of their second year and begin the program in their third. Interested students should ideally apply for a PSY Major or Specialist (Non-thesis) at the end of their first year. All students accepted into or considering the Research Specialist program should enrol in a PSY lab course in their third year. In addition to applying in the spring via the Arts & Science website, students may also apply directly to the department in the fall of their third year and begin the program that January. The deadline for the second round of applications is usually in October. More information on the fall applications can be found at <http://home.psych.utoronto.ca/undergraduate/info/rsp.htm>.

The Research Specialist program is a Type 3 program and, therefore, enrolment is limited to no more than 15 students per year. Eligibility is highly competitive and based on the following criteria. **Please note that meeting the following minimum requirements does not guarantee admission.**

- PSY100H1 with a final mark of at least 80% (***AP and IB Psychology are not accepted***)
- A senior-level (Gr. 12) high school course in Calculus
- A senior-level (Gr. 12) high school course in Biology (***effective for entry in Spring 2020***)
- Completion of at least 8 FCEs
- Completion of PSY201H1 and PSY202H1 (or equivalent courses in statistics), with an overall average of at least 75%
- Minimum completion of an additional 2 FCEs at the 200-level in PSY (taken from the PSY210H1 - PSY290H1 series), with an overall average of at least 78% taken from the top four grades (this does not include PSY201H1 or PSY202H1)

NOTE: For students entering University for September 2019 or later, it is recommended to have a grade 12 biology credit, as it will be needed for admission to any Psychology program of study.

Completion Requirements:

Required Courses (10 FCEs):

1. First Year: PSY100H1
2. Statistics: PSY201H1 and PSY202H1 (or equivalent courses in statistics)
3. 1 FCE from PSY210H1, PSY220H1, PSY230H1, PSY240H1 (Cluster A)

4. 1 FCE from PSY260H1, PSY270H1, PSY280H1, PSY290H1 (Cluster B)
5. 0.5 FCE in PSY at the 300/400-level from Group 1 in Cluster A
6. 0.5 FCE in PSY at the 300/400-level from Group 1 in Cluster B
7. 1 FCE in PSY at the 300/400-level from Group 1 (any Cluster)
8. One lab course (0.5 FCE), and no more, taken from PSY319H1, PSY329H1, PSY339H1, PSY359H1, PSY369H1, PSY379H1, or PSY389H1
9. PSY309H1
10. PSY409H1
11. PSY400Y1
12. 2 FCEs from Groups 1 and/or 2, at any level

(Please note that these are all individual requirements and cannot overlap or be used twice).

Psychology Specialist (Science Program) - ASSPE1160

Description:

You should consider pursuing the Specialist Program in Psychology if you want a greater concentration in Psychology than provided by the Major Program. Please note that having a Specialist is not required in order to be admitted to a graduate program in Psychology later on.

Enrolment Requirements:

The Specialist is a Type 2L (Limited) program that can only accept a limited number of students. The quantity of applications received in a given year always far exceeds the number of spaces available in the program. Eligibility will be based on the following criteria, however, ***achieving the minimum marks listed does not guarantee admission to the Specialist in any given year***. Please have a back-up plan/program in place, should you not be admitted.

Applying with fewer than 8 FCEs completed:

- PSY100H1 with a final mark of at least 80% (***AP and IB Psychology are not accepted***)
- A senior-level (Gr. 12) high school course in Calculus
- A senior-level (Gr. 12) high school course in Biology (***effective for entry in Spring 2020***)
- Completion of at least 4 FCEs

Applying with 8 or more FCEs completed:

- Completion of PSY100H1 (***AP and IB Psychology are not accepted***)
- A senior-level (Gr. 12) high school course in Calculus
- A senior-level (Gr. 12) high school course in Biology (***effective for entry in Spring 2020***)
- Completion of at least 8 FCEs
- PSY201H1 and PSY202H1 (or equivalent courses in statistics), plus at least 1 FCE in PSY at the 200-level (taken from the PSY210H1 - PSY290H1 series) with an average of 75%* across all four courses. If more than two PSY 200-levels have been completed, we will take the two with the highest grades.

NOTE: For students entering University for September 2019 or later, it is recommended to have a grade 12 biology credit, as it will be needed for admission to any Psychology program of study.

* In past admission cycles, the average grade cut-off for the Specialist program ranged from approximately 83-86%. This may vary from year to year, and can even be higher.

Completion Requirements:

Required Courses (10 FCEs):

1. First Year: PSY100H1
2. Statistics: PSY201H1 and PSY202H1 (or equivalent courses in statistics)
3. 1 FCE from PSY210H1, PSY220H1, PSY230H1, PSY240H1 (Cluster A)
4. 1 FCE from PSY260H1, PSY270H1, PSY280H1, PSY290H1 (Cluster B)
5. 0.5 FCE in PSY at the 300/400-level from Group 1 in Cluster A
6. 0.5 FCE in PSY at the 300/400-level from Group 1 in Cluster B
7. 1.5 FCEs in PSY at the 300/400-level from Group 1 (any Cluster)
8. One lab course (0.5 FCE), and no more, taken from PSY319H1, PSY329H1, PSY339H1, PSY369H1, PSY379H1, or PSY389H1
9. Two seminar courses (1 FCE), and no more, taken from JLP471H1, PSY410H1, PSY420H1, PSY430H1, PSY440H1, PSY460H1, PSY470H1, PSY471H1, PSY480H1, PSY490H1, PSY497H1
10. 2.5 FCEs from Groups 1 and/or 2, at any level

(Please note that these are all individual requirements and cannot overlap or be used twice).

Psychology Major (Science Program) - ASMAJ1160

Description:

You should consider pursuing the Major Program in Psychology if you want to concentrate in Psychology together with another discipline.

Enrolment Requirements:

The Major is a Type 2L (Limited) program that can only accept a limited number of students. The quantity of applications received in a given year always far exceeds the number of spaces available in the program. Eligibility will be based on the following criteria, however, ***achieving the minimum marks listed does not guarantee admission to the Major in any given year.*** Please have a back-up plan/program in place, should you not be admitted.

Applying with fewer than 8 FCEs completed:

- PSY100H1 with a final mark of at least 75% (***AP and IB Psychology are not accepted***)
- A senior-level (Gr. 12) high school course in Calculus
- A senior-level (Gr. 12) high school course in Biology (***effective for entry in Spring 2020***)
- Completion of at least 4 FCEs

Applying with 8 or more FCEs completed:

- Completion of PSY100H1 (***AP and IB Psychology are not accepted***)
- A senior-level (Gr. 12) high school course in Calculus
- A senior-level (Gr. 12) high school course in Biology (***effective for entry in Spring 2020***)
- Completion of at least 8 FCEs
- PSY201H1 (or equivalent course in statistics), plus at least 1 FCE in PSY at the 200-level (taken from the PSY210H1 - PSY290H1 series) with an average of 73%* across all three courses. If more than two PSY 200-levels have been completed, we will take the two with the highest grades.

NOTE: For students entering University for September 2019 or later, it is recommended to have a grade 12 biology credit, as it will be needed for admission to any Psychology program of study.

* In past admission cycles, the average grade cut-off for the Major program ranged from approximately 80-84%. This may vary from year to year, and can even be higher.

Completion Requirements:

Required Courses (7 FCEs):

1. First Year: PSY100H1
2. Statistics: PSY201H1 (or an equivalent course in statistics)
3. 1 FCE from PSY210H1, PSY220H1, PSY230H1, PSY240H1 (Cluster A)
4. 1 FCE from PSY260H1, PSY270H1, PSY280H1, PSY290H1 (Cluster B)
5. 0.5 FCE in PSY at the 300/400-level from Group 1 in Cluster A
6. 0.5 FCE in PSY at the 300/400-level from Group 1 in Cluster B
7. 1 FCE in PSY at the 300/400-level from Group 1 (any Cluster)
8. 0.5 FCE in PSY at the 400-level from Group 1 (any Cluster)
9. 1.5 FCEs from Groups 1 and/or 2, at any level

(Please note that these are all individual requirements and cannot overlap or be used twice).

Environment & Behaviour Minor (Science Program) - ASMIN1551

Completion Requirements:

(4 full courses or their equivalent; must include at least one full course equivalent at the 300+-level).

Enrolment in the Minor program is limited to students also enrolled in the Psychology Minor/Major/Specialist.

For more information, please email the School of the Environment's Undergraduate Student Advisor, David Powell, at ug.office.env@utoronto.ca.

Higher Years:

1. ENV221H1, ENV222H1, PSY220H1, PSY335H1/ PSY435H1
2. One FCE from ENV333H1, ENV335H1; ENV361H1/ ENV381H1 (if ENV381H1 taken in 2015-16 or 2016-17); JGE321H1; JGE331H1

3. One FCE from PSY320H1, PSY321H1, PSY327H1/ PSY427H1, PSY336H1

Psychology Minor (Science Program) - ASMIN1160

Description:

You should consider pursuing the Minor Program in Psychology if you are interested in Psychology as a part of your general education or as a compliment to your training in another profession (i.e., nursing, rehabilitation medicine, physical health and education, social work, etc.).

Enrolment Requirements:

The Minor is a Type 2L (Limited) program that can only accept a limited number of students. The quantity of applications received in a given year always far exceeds the number of spaces available in the program. Eligibility will be based on the following criteria; however, ***achieving the minimum marks listed does not guarantee admission to the Minor in any given year.*** Please have a back-up plan/program in place, should you not be admitted.

Applying with fewer than 8 FCEs completed:

- PSY100H1 with a final mark of at least 73% (***AP and IB Psychology are not accepted***)
- A senior-level (Gr. 12) high school course in Calculus
- A senior-level (Gr. 12) high school course in Biology (***effective for entry in Spring 2020***)
- Completion of at least 4 FCEs

Applying with 8 or more FCEs completed:

- Completion of PSY100H1 (***AP and IB Psychology are not accepted***)
- A senior-level (Gr. 12) high school course in Calculus
- A senior-level (Gr. 12) high school course in Biology (***effective for entry in Spring 2020***)
- Completion of at least 8 FCEs
- PSY201H1 (or equivalent course in statistics), plus at least 1 FCE in PSY at the 200-level (taken from the PSY210H1 - PSY290H1 series) with an average of 70%* across all three courses. If more than two PSY 200-levels have been completed, we will take the two with the highest grades.

NOTE: For students entering University for September 2019 or later, it is recommended to have a grade 12 biology credit, as it will be needed for admission to any Psychology program of study.

* In past admission cycles, the average grade cut-off for the Minor program ranged from approximately 77-79%. This may vary from year to year, and can even be higher.

Completion Requirements:

Required Courses (4 FCEs):

1. First Year: PSY100H1
2. Statistics: PSY201H1 (or an equivalent course in statistics)

3. 1 FCE from PSY210H1/ PSY220H1/ PSY230H1/ PSY240H1/ PSY260H1/ PSY270H1/ PSY280H1/ PSY290H1
4. 1 FCE in PSY at the 300/400-level from Group 1 (any Cluster)
5. 1 FCE from Groups 1 and/or 2, at any level

(Please note that these are all individual requirements and cannot overlap or be used twice).

Psychology of Economics and Management Certificate - ASCER1160

Description:

The Certificate in Psychology of Economics and Management explores the interdisciplinary connections between social psychology, economics, and business, covering the role of motivation, culture and leadership in organizations. This Certificate is not open to students pursuing a Psychology Specialist, Major, or Minor.

Enrolment Requirements:

This is a limited enrolment Certificate with only a certain number of spaces available. A minimum grade is required for the following courses in order to enrol:

- PSY100H1 (grade of 70%)
- RSM100H1/ MGT100H1/ ECO101H1 (grade of 63%)

This Certificate is not open to students enrolled in a Psychology Specialist, Major, or Minor.

Note: For the 2018 enrolment period, this Certificate will be available in the second round of enrolment only.

Completion Requirements:

(3.0 FCE)
In first year or higher (1.0 FCE):

- PSY100H1 (grade of 70%)
- RSM100H1/ MGT100H1/ ECO101H1 (grade of 63%)

In second year and higher (2.0 FCE):

- PSY220H1
- PSY332H1 or RSM260H1
- 1.0 FCE from: PSY326H1, PSY321H1, PSY336H1, PSY322H1

Group 1 Courses:

Some PSY courses are included in both of Clusters A and B and may count in either cluster, but not both, for program requirements. For Individual Projects or Special Topics courses being used to complete the cluster requirement, please confirm group cluster with the Undergraduate Administrator

(PSY405H1/405Y1/406H1/406Y1 and PSY307H1/308H1/407H1/408H1). No more than 1 FCE of PSY405H1/405Y1/406H1/406Y1 can be used towards any PSY program. PSY202H1, PSY299Y1, PSY305H1, and PSY399Y1 can also be used towards program requirements as part of the final requirement for each program (except for PSY202H1 with the Specialist programs, as they are already required).

Group 2 Courses:

Please note that the non-PSY courses in Group 2 are optional and that enrolment priority is not given to PSY program students.

Course Groups

Group 1 (Cluster A)

- [JLP315H1 Language Acquisition](#)
- [PSY210H1 Introduction to Development](#)
- [PSY220H1 Introduction to Social Psychology](#)
- [PSY230H1 Personality and Its Transformations](#)
- [PSY240H1 Introduction to Abnormal Psychology](#)
- [PSY306Y0 Special Topics in Psychology Abroad](#)
- [PSY307H1 Special Topics in Psychology](#)
- [PSY308H1 Special Topics in Psychology](#)
- [PSY311H1 Social Development](#)
- [PSY312H1 Cognitive Development](#)
- [PSY313H1 Psychology of Aging](#)
- [PSY316H1 Perceptual Development](#)
- [PSY319H1 Developmental Laboratory](#)
- [PSY320H1 Social Psychology: Attitudes](#)
- [PSY321H1 Cross-Cultural Psychology](#)
- [PSY322H1 Intergroup Relations](#)
- [PSY323H1 Sex Roles and Behaviour](#)
- [PSY324H1 Moral Thought and Behaviour](#)
- [PSY326H1 Social Cognition](#)
- [PSY328H1 Psychology and the Law](#)
- [PSY329H1 Social Psychology Laboratory](#)
- [PSY330H1 Psychometrics](#)
- [PSY331H1 Social Psychology of Emotion](#)
- [PSY332H1 Organizational Behaviour](#)
- [PSY333H1 Health Psychology](#)
- [PSY336H1 Positive Psychology](#)
- [PSY337H1 Advanced Personality Psychology](#)
- [PSY339H1 Individual Differences Laboratory](#)
- [PSY341H1 Psychopathologies of Childhood](#)
- [PSY342H1 Cognition and Psychopathology](#)
- [PSY343H1 Theories of Psychopathology and Psychotherapy](#)
- [PSY402H1 Psychology Seminar](#)
- [PSY403H1 Psychology Seminar](#)
- [PSY404H1 Psychology Seminar](#)
- [PSY405H1 Individual Projects](#)
- [PSY405Y1 Individual Projects](#)
- [PSY406H1 Individual Projects](#)
- [PSY406Y1 Individual Projects](#)
- [PSY407H1 Special Topics in Psychology](#)
- [PSY408H1 Special Topics in Psychology](#)
- [PSY410H1 Developmental Psychology Seminar](#)
- [PSY414H1 Moral Development](#)
- [PSY417H1 Aging and Social Cognition](#)

- [PSY420H1 Social Psychology Seminar](#)
- [PSY421H1 Person Perception](#)
- [PSY424H1 Social Psychology of Interpersonal Relationships](#)
- [PSY425H1 Self-Consciousness](#)
- [PSY426H1 Motivational Theories in Social Psychology](#)
- [PSY427H1 Media Psychology](#)
- [PSY428H1 Critical Psychology](#)
- [PSY430H1 Personality Seminar](#)
- [PSY434H1 Maps of Meaning: The Architecture of Belief](#)
- [PSY435H1 Environmental Psychology](#)
- [PSY440H1 Abnormal Psychology Seminar](#)
- [PSY450H1 History of Psychology](#)

Group 1 (Cluster B)

- [JLP374H1 Psychology of Language](#)
- [JLP471H1 Advanced Psycholinguistics](#)
- [PSY260H1 Learning and Plasticity](#)
- [PSY270H1 Introduction to Cognitive Psychology](#)
- [PSY280H1 Sensation and Perception](#)
- [PSY290H1 Physiological Psychology](#)
- [PSY307H1 Special Topics in Psychology](#)
- [PSY308H1 Special Topics in Psychology](#)
- [PSY312H1 Cognitive Development](#)
- [PSY316H1 Perceptual Development](#)
- [PSY359H1 Human Neuroimaging Laboratory](#)
- [PSY362H1 Animal Cognition](#)
- [PSY369H1 Psychobiology Laboratory](#)
- [PSY370H1 Thinking and Reasoning](#)
- [PSY371H1 Higher Cognitive Processes](#)
- [PSY372H1 Human Memory](#)
- [PSY378H1 Engineering Psychology](#)
- [PSY379H1 Human Memory and Learning Laboratory](#)
- [PSY380H1 Vision Science](#)
- [PSY389H1 Perception Laboratory](#)
- [PSY390H1 Behavioural Genetics](#)
- [PSY395H1 Neuroethics](#)
- [PSY396H1 Neurochemical Basis of Behaviour](#)
- [PSY397H1 Biological Rhythms](#)
- [PSY402H1 Psychology Seminar](#)
- [PSY403H1 Psychology Seminar](#)
- [PSY404H1 Psychology Seminar](#)
- [PSY405H1 Individual Projects](#)
- [PSY405Y1 Individual Projects](#)
- [PSY406H1 Individual Projects](#)
- [PSY406Y1 Individual Projects](#)
- [PSY407H1 Special Topics in Psychology](#)
- [PSY408H1 Special Topics in Psychology](#)
- [PSY450H1 History of Psychology](#)
- [PSY460H1 Learning Seminar](#)
- [PSY470H1 Memory Seminar](#)
- [PSY471H1 Cognition Seminar](#)
- [PSY473H1 Social Cognitive Neuroscience](#)
- [PSY475H1 Attention and Performance](#)
- [PSY480H1 Seminar in Perception](#)
- [PSY490H1 Brain Activity & Behaviour Seminar](#)
- [PSY492H1 Neurobiology of Learning and Memory](#)
- [PSY493H1 Cognitive Neuroscience](#)
- [PSY494H1 Physiology and Psychology of Emotion](#)

- [PSY495H1 Sex and the Brain](#)
- [PSY496H1 Cognitive Dysfunction in Neurological Disorders](#)
- [PSY497H1 Advanced Topics in Biological Rhythms](#)

Group 2

- [BIO120H1 Adaptation and Biodiversity](#)
- [BIO130H1 Molecular and Cell Biology](#)
- [BIO220H1 From Genomes to Ecosystems in a Changing World](#)
- [BIO270H1 Animal Physiology I](#)
- [BIO271H1 Animal Physiology II](#)
- [COG250Y1 Introduction to Cognitive Science \(formerly JUP250Y1, UNI250Y1\)](#)
- [COG260H1 Data, Computation, and the Mind](#)
- [COG343H1 Issues on Cognitive Science III: Computational Cognition](#)
- [EEB313H1 Quantitative Methods in R for Biology](#)
- [ENG384Y1 Literature and Psychoanalysis](#)
- [ETH220H1 Moral Psychology](#)
- [HIS489H1 The History of Psychiatry and Psychiatric Illness](#)
- [HMB200H1 Introduction to Neuroscience](#)
- [HMB300H1 Neurobiology of Behaviour](#)
- [HMB310H1 Laboratory in Neuroscience](#)
- [HMB320H1 Neuroanatomy](#)
- [HMB420H1 Seminar in Neurobiology of Behaviour](#)
- [HMB440H1 Dementia](#)
- [HMB473H1 Exercise and Mental Health](#)
- [HPS110H1 The Science of Human Nature](#)
- [HPS200H1 Science and Values](#)
- [JFP450H1 Indigenous Issues in Health and Healing](#)
- [JLS472H1 Child Language Disorders](#)
- [JLS473H1 Adult Speech and Language Disorders](#)
- [JLS474H1 Disorders of Speech and Language](#)
- [LIN101H1 Introduction to Linguistics: Sound Structure](#)
- [LIN102H1 Introduction to Linguistics: Sentence Structure and Meaning](#)
- [LIN200H1 Introduction to Language](#)
- [LIN402H1 Linguistic Typology and Constructed Languages](#)
- [NEW232Y1 Buddhist Psychology](#)
- [NEW302Y1 C.G. Jung: Stories, Patterns, Symbols](#)
- [NEW303H1 Hypotheses of the Unconscious](#)
- [NEW332H1 Buddhism and Psychotherapy](#)
- [NEW333H1 Buddhism and Cognitive Science](#)
- [NEW335H1 Meditation and the Body](#)
- [NEW336H1 Special Topics in Buddhism, Psychology and Mental Health](#)
- [NEW337H1 Special Topics in Buddhism, Psychology and Mental Health](#)
- [NEW338H1 Exploring Mindful Awareness](#)
- [NEW339H1 Yogacara Buddhism and Western Psychology](#)
- [NEW432H1 Advanced Special Topics in Buddhism, Psychology and Mental Health](#)
- [NEW433H1 Advanced Special Topics in Buddhism, Psychology and Mental Health](#)
- [NEW438H1 Mindfulness Meditation: Science and Research](#)
- [NFS489H1 Nutritional Neurosciences](#)
- [PCL475Y1 Neuropsychopharmacology](#)
- [PHL240H1 Persons, Minds and Bodies](#)

- [PHL243H1 Philosophy of Human Sexuality](#)
- [PHL244H1 Human Nature](#)
- [PHL319H1 Philosophy and Psychoanalytic Theory](#)
- [PHL340H1 Issues in Philosophy of Mind](#)
- [PHL342H1 Minds and Machines](#)
- [PHL383H1 Ethics and Mental Health](#)
- [PSL201Y1 Basic Human Physiology](#)
- [PSL300H1 Human Physiology I](#)
- [PSL440Y1 Neuroscience: Systems and Behaviour](#)
- [PSL444Y1](#)
- [PSY202H1 Statistics II](#)
- [PSY299Y1 Research Opportunity Program](#)
- [PSY305H1 The Treatment of Psychological Data](#)
- [PSY399Y1 Research Opportunity Program](#)
- [RLG211H1 Psychology of Religion](#)
- [RLG301H1 Religion on the Couch: Freud and Jung on Religion](#)
- [RLG421H1 The Psychoanalytic Study of Religion](#)
- [RSM260H1 Organizational Behaviour](#)
- [RSM353H1 Consumer Behaviour](#)
- [SOC213H1 Sociological Social Psychology](#)
- [SOC363H1 Sociology of Mental Health and Mental Disorders](#)
- [SOC412H1 Medicalization of Deviance](#)
- [IRE260H1 Organizational Behaviour](#)
- [CRI365H1 Crime and Mind](#)
- [CRI431H1 Mental Health, Morality & Legal Controls](#)
- [VIC261H1 Child and Adolescent Development in Education](#)
- [VIC278H1 Modelling Evil and Disease](#)
- [WGS372H1 Women and Psychology/ Psychoanalysis](#)

Combined Degree Program (CDP) in Science and Education: Psychology (Major), Honours Bachelor of Science/Master of Teaching

The Combined Degree Program in Arts/Science and Education is designed for students interested in studying the intersections of teaching subjects and Education, coupled with professional teacher preparation. Students earn an Honours Bachelor's degree from the Faculty of Arts and Science (St. George) and an accredited professional Master of Teaching (MT) degree from the Ontario Institute for Studies in Education (OISE). They will be recommended to the Ontario College of Teachers for an Ontario Teacher's Certificate of Qualifications as elementary or secondary school teachers. The CDP permits the completion of both degrees in six years with 1.0 FCE that may be counted towards both the undergraduate and graduate degrees.

Program requirements:

1. [Minor in Education and Society, Victoria College](#)
2. [Major in Psychology \(first teaching subject\)](#)
3. Minor in an area corresponding to the second teaching subject as determined by OISE
(see http://pepper.oise.utoronto.ca/~jhewitt/mtrresources/intermediate_senior_teaching_subject_prerequisites_2016-17.pdf)

See [here](#) for additional information on the CDP, including admission, path to completion and contact information.

Regarding Psychology Courses

We encourage students at all levels, and particularly those who are beginning a program in Psychology, to consult the undergraduate section of the Psychology web site (<http://home.psych.utoronto.ca/undergraduate.htm>) before selecting courses and to discuss their proposed programs with the Undergraduate Administrator.

Courses in the various areas within Psychology and the numbering system associated with these courses follow a specific pattern: PSYXXX. The first digit represents the year, and the second digit represents the area in which the course belongs. Social Psychology, for example, is identified by "2." Therefore, PSY220 at the second year, PSY320, 321, 322, etc. at the third year, and PSY420, 421, 424, etc. at the fourth year represent the Social Psychology courses. Other areas within Psychology follow a similar pattern, with their own identifying number in the middle.

Please note that the Dept. of Psychology will not waive course prerequisites under any circumstances and that Psychology courses do not have co-requisites. Students will need to have prerequisites completed BEFORE taking a course.

200-Series Courses

Students registered in a St. George campus PSY program will be given priority to enrol in all PSY courses above the 100-level. Please see the online Arts and Science Registration Instructions and Timetable for more details on enrolment controls.

300-Series Courses

Almost all 300/400-level lecture courses require PSY201H1 (Statistics I), or its equivalent, as one of their prerequisites. This will *not* be waived. Students *must* complete the statistics requirement before taking any 300- or 400-level PSY lecture courses. Similarly, 300-level lab and 400-level seminar courses require PSY202H1 (Statistics II) or its equivalent.

400-Series Courses

The 400-series courses comprise of lecture courses, seminars, individual projects, and the thesis course for Research Specialists.

Psychology Courses

PSY100H1 - Introductory Psychology

Hours: 36L

A brief introductory survey of psychology as both a biological and social science. Topics will include physiological, learning, perceptual, motivational, cognitive, developmental, personality, abnormal, and social psychology.

Prerequisite: None

Exclusion: PSY100Y5/PSYA01Y3/(PSYA01H3 + PSYA02H3)

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY196H1 - Critical Periods, Brain Plasticity and Development

Hours: 24S

This course will ask how changes in the developing brain can influence our understanding of how humans learn. To answer this question, we will learn about how the brain changes and about how learning changes. We will dig into brain plasticity and ask how this influences "critical" or "sensitive" periods for learning: a phenomenon whereby learning can only take place during a particular time in an organism's life. We will explore learning in a number of different ways including learning in sensory and motor systems and the development of multiple aspects of learning and memory. In all cases, we will ask how changes in the developing brain impact learning outcomes. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSY197H1 - The Individual and Society

Hours: 24S

How does one develop a sense of individuality? Can individual will and freedom be reconciled with the interests of society? Are we determined by society or culture or do we, in some important sense, determine our own behaviour and futures? In this course, we will use classic and contemporary readings from psychology, sociology, anthropology, philosophy, and law to explore general characterizations of the individual and society. Basic questions will be examined in light of these characterizations such as: Is there a universal human nature? Who is a “person”?, and What is the ideal society? We will examine these questions in light of various social issues, such as debates about multiculturalism and democracy, whether children have rights to freedom of speech, and women’s equality in society. Throughout the course, the emphasis will be on the different views of the person underlying and informing contrasting perspectives on important social questions. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY198H1 - The Psychology of Magic

Hours: 24S

Magicians entertain us with their tricks. What appears as “Magic” is based on fundamental aspects of human psychology: visual and auditory perception, decision making, logic, memory, and verbal abilities. In this class, we will consider and discuss the psychological basis of magic tricks and use magic to explore aspects of psychology. The class will require reading of scientific articles and book chapters as well as watching and analyzing magical tricks. The only prerequisite is a curious and critical mind. The course puts great emphasis on writing and on starting to read primary scientific literature. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY199H1 - Psychology and History of Drug Use

Hours: 24S

This seminar will examine the historical and contemporary use of drugs. Students will be introduced to the general psychological and neuroscientific mechanisms by which drugs affect human behavior, and explore highlights of current research on drug effects in animals and humans. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY201H1 - Statistics I

Hours: 36L

Fundamentals of descriptive and inferential statistics, including population and sampling distributions, simple association, probability, estimation, and hypothesis testing.

Prerequisite: PSY100H1

Exclusion: ECO220Y1/ ECO227Y1/ EEB225H1/ GGR270H1/ HMB325H1/ POL232H1/ POL242Y1/ SOC202H1/ STA220H1/ STA248H1/ STA288H1

Recommended Preparation: Grade 12 Calculus

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PSY202H1 - Statistics II

Hours: 36L

Fundamentals of statistical analysis of experimental and observational data including linear models, the analysis of variance, a priori contrasts, post-hoc tests, power analysis and effect size calculations.

Prerequisite: PSY201H1 (or exclusion)

Exclusion: ECO220Y1/ ECO227Y1/ STA221H1/ SOC252H1/ SOC300H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PSY203H1 - Psychological Research

Hours: 36L

This course provides an introduction to conceiving, designing, and conducting research in psychology. It prepares students to be both consumers and producers of scientific research, and also addresses basic issues related to the work of psychological scientists such as theory development, research ethics, and scientific writing. Students in this course will gain insight into the scientific process as a whole – its advantages, difficulties, and limitations. As such, students will be able to better evaluate the knowledge that psychological science can provide, and integrate that knowledge into a broader worldview.

Prerequisite: PSY100H1

Corequisite: PSY201H1 (or exclusion)

Exclusion: PSY309H1/ PSY319H1/ PSY329H1/ PSY339H1/ PSY359H1/ PSY369H1/ PSY379H1/ PSY389H1

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY210H1 - Introduction to Development**Hours:** 36L

The developmental approach to the study of behaviour with reference to sensorimotor skills, cognition, socialization, personality, and emotional behaviour.

Prerequisite: PSY100H1/ COG250Y1
Exclusion: PSY210H5/PSYB20H3/PSYB21H3

Distribution Requirements: Science
Breadth Requirements: Thought, Belief and Behaviour (2)

PSY260H1 - Learning and Plasticity**Hours:** 36L

Concepts, theories, and applications of classical and contemporary learning theories, including classical and operant conditioning. Current theories of the physiological and anatomical basis of learning and memory, including synaptic plasticity, the role of the hippocampus, amygdala, frontal cortex and other brain regions. Theories will be related to a practical understanding and applications such as drug addiction, phobias and other disorders.

Prerequisite: PSY100H1/ COG250Y1, OR registered in the Cognitive Science program

Exclusion: PSY360H5/PSYB45H3

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSY220H1 - Introduction to Social Psychology**Hours:** 36L

Contemporary areas of research in social psychology: social perception, attitudes, inter-personal relations, and group processes.

Prerequisite: PSY100H1/ COG250Y1
Exclusion: PSY220H5, PSYB10H3, SOC213H1
Distribution Requirements: Science
Breadth Requirements: Thought, Belief and Behaviour (2)

PSY270H1 - Introduction to Cognitive Psychology**Hours:** 36L

An introduction to research and theory on the neural and cognitive architecture of attention, memory, language, thinking and reasoning.

Prerequisite: PSY100H1/ COG250Y1, OR registered in the Cognitive Science program

Exclusion: PSY270H5/PSYB57H3

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY230H1 - Personality and Its Transformations**Hours:** 36L

Theory and research in personality structure and dynamics: the interaction of cultural and biological factors in the development and expression of individual differences.

Prerequisite: PSY100H1/ COG250Y1
Exclusion: PSY230H5/PSYB30H3
Distribution Requirements: Science
Breadth Requirements: Thought, Belief and Behaviour (2)

PSY280H1 - Sensation and Perception**Hours:** 36L

An introduction to the physiological and psychological basis of perception across the different sensory modalities in humans and lower animals, with an emphasis on vision. Exploring visual perception such as shape and objects, scenes, colour, space, and motion as well as auditory perception of simple and complex sounds, and location. Further topics may include touch, including perception of temperature, pain and body posture, the chemical senses, and cross-modal influences of the senses on one another. In-class demonstrations may supplement the lectures.

Prerequisite: PSY100H1/ COG250Y1, OR registered in the Cognitive Science program

Exclusion: PSY280H5/PSYB51H3

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSY240H1 - Introduction to Abnormal Psychology**Hours:** 36L

A critical survey of concepts, theories, and the state of research in the area of psychopathology and therapeutic methods.

Prerequisite: PSY100H1/ COG250Y1
Exclusion: PSY240H5/PSYB32H3
Distribution Requirements: Science
Breadth Requirements: Thought, Belief and Behaviour (2)

PSY290H1 - Physiological Psychology

Hours: 36L

Provides students with a solid background into the biological basis of behaviour. Animal and human research topics include functional neuroanatomy, neural signalling, sensory and motor control, motivational systems, and hormones, and emotions.

Prerequisite: PSY100H1/ COG250Y1, OR registered in the Cognitive Science program

Exclusion: HMB200H1/ HMB220H1/ PSL300H1/ PSY290H5/PSYB64H3

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSY306Y0 - Special Topics in Psychology Abroad

Hours: 48L

Special Topics in Psychology for the **Summer Abroad**

Program. Course topics, content, and instructor may vary from one year to another. More information about Psychology course offerings can be obtained from the Professional & International Programs office at Woodsworth College.

Prerequisite: Registration in any psychology and/or social science Major or Specialist, and the completion of at least 8 FCEs.

Distribution Requirements: Science

PSY299Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Science

PSY307H1 - Special Topics in Psychology

Hours: 36L

A lecture course providing in-depth examination of specific topics/themes relating to Psychology. Content in any given year depends on instructor. Priority is given to PSY Major program students during the first enrolment period.

Prerequisite: PSY100H1, PSY201H1 (or exclusion), and one further 200-level PSY half-course

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY305H1 - The Treatment of Psychological Data

Hours: 36L

This course emphasizes the advanced use of statistical computer program packages for the treatment of psychological data collected in laboratory and field studies. Students analyze sets of data and interpret results. Various methods of ensuring the trustworthiness and accuracy of analysis are discussed.

Prerequisite: PSY202H1 (or exclusion)

Exclusion: EEB313H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PSY308H1 - Special Topics in Psychology

Hours: 36L

A lecture course providing in-depth examination of specific topics/themes relating to Psychology. Content in any given year depends on instructor. Priority is given to PSY Major program students during the first enrolment period.

Prerequisite: PSY100H1, PSY201H1 (or exclusion), and one further 200-level PSY half-course

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY309H1 - Research Specialization: Practicum

Hours: 36P

Research Specialists learn about the research opportunities within our department, and develop skills in the areas of critical thinking, writing, and oral presentation. Students also conduct a pre-thesis research project under the supervision of a faculty member. Students should complete a PSY lab course (PSY3*9H1) prior to taking this course; however, taking the lab course concurrently will be considered in consultation with the instructor. Enrolment is restricted to PSY Research Specialists.

Prerequisite: PSY202H1 (or exclusion)

Corequisite: PSY319H1/ PSY329H1/ PSY339H1/ PSY359H1/

PSY369H1/ PSY379H1/ PSY389H1

Exclusion: PSY309H5

Distribution Requirements: Science

PSY313H1 - Psychology of Aging

Hours: 36L

Age changes in sensory and perceptual processes, motor skill, learning, memory, and personality. Theory, methodological problems, social, cultural, and environmental influences that shape behaviour and attitudes towards and among the elderly.

Prerequisite: PSY201H1 (or exclusion), PSY210H1

Exclusion: PSY213H5/PSY313H5/PSYC21H3

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

JLP315H1 - Language Acquisition

Hours: 36L

Infants' abilities at birth, prelinguistic development, the first words, phonological, syntactic and semantic development. Social variables influencing language acquisition, bilingualism, models of development, language play. (Sponsored by the Departments of Linguistics and Psychology, but administered solely by the Dept. of Linguistics).

Prerequisite: One full course equivalent at the 200+-level in LIN/JAL/JUP/PSL/PSY/COG

Exclusion: PSY315H5, PLIC24H3

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY316H1 - Perceptual Development

Hours: 36L

The course examines human perceptual development during the first 2-3 years of life. Vision and audition are emphasized. Some topics are: pattern and colour vision, depth perception, infant speech perception.

Prerequisite: PSY201H1 (or exclusion), PSY280H1

Exclusion: PSY316H5

Recommended Preparation: PSY210H1

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY311H1 - Social Development

Hours: 36L

Theory and research in social attachment, aggression, morality, imitation and identification, altruism, and parental discipline, with discussion of methodological issues.

Prerequisite: PSY201H1 (or exclusion), PSY210H1

Exclusion: PSY311H5/PSYC21H3

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY312H1 - Cognitive Development

Hours: 36L

Examines the developmental of knowledge in fundamental domains such as spatial perception, navigation, object perception, number, language, and theory of mind. Emphasis is on current experimental findings and how they address centuries-old debates surrounding the origin and nature of human knowledge.

Prerequisite: PSY201H1 (or exclusion), PSY210H1, and PSY270H1/ COG250Y1

Exclusion: PSY312H5

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY319H1 - Developmental Laboratory

Hours: 36P

Provides an overview of developmental psychology methods. The class conducts an original research project, including design, data collection, data analysis, and a written report. Course capacity is limited to 15 students and priority is given to PSY Specialists and Research Specialists during the first enrolment period.

Prerequisite: PSY202H1 (or exclusion), PSY210H1

Exclusion: PSY319H5/PSYC26H3

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY322H1 - Intergroup Relations

Hours: 36L

An in-depth examination of theories and research in intergroup relations; focuses on stereotyping, prejudice, discrimination, and stigma.

Prerequisite: PSY201H1 (or exclusion), PSY220H1

Exclusion: PSYC12H3

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY320H1 - Social Psychology: Attitudes

Hours: 36L

Intensive study of social attitude development, description, measurement, modification, and organization.

Prerequisite: PSY201H1 (or exclusion), PSY220H1

Exclusion: PSY320H5

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY323H1 - Sex Roles and Behaviour

Hours: 36L

The effect of sex-role expectations on how men and women behave and perceive the world: theories of sex-role development, physiological and cultural determinants of sex differences, power relationships between men and women.

Prerequisite: PSY201H1 (or exclusion), PSY210H1/ PSY220H1/

PSY230H1/ PSY240H1

Exclusion: PSY317H5/PSYD18H3

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY321H1 - Cross-Cultural Psychology

Hours: 36L

One of the hallmarks of human behaviour is its diversity. Some of the ways in which we differ are thought to be relatively idiosyncratic (e.g., specific aspects of personality), whereas others are fairly systematic. Cultural psychology is one area of research in human behaviour that examines systematic differences resulting from individuals' cultural backgrounds. This course will introduce you to the consideration of cultural variation in the study of human thought and behaviour.

Prerequisite: PSY201H1 (or exclusion), PSY220H1

Exclusion: PSY321H5/PSYC14H3

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY324H1 - Moral Thought and Behaviour

Hours: 36L

Moral values vary considerably across individuals, groups, countries, and cultures. What explains the emergence of these differential moral systems? What psychological processes are involved in moral decisions and actions? How might insights from psychological research shed light on contemporary, 'hot-button' moral issues? How are moral decisions similar to – and different from – other types of everyday decisions? What is the role of emotion in moral decision making? As an introduction to the field of moral psychology, this 300-level course will cover research from a range of sub-disciplines within psychology including social-personality psychology, cognitive neuroscience, and developmental psychology. In addition, students will gain exposure to related material in other fields including philosophy, ethology, and economics. Students will gain a firm understanding of the key debates and issues in the study of the moral mind and will gain skills in critical thinking and writing.

Prerequisite: PSY201H1 (or exclusion) and PSY220H1, or permission of the instructor

Exclusion: PSYD14H3

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY326H1 - Social Cognition

Hours: 36L

An examination of theory and research on how we make sense of ourselves and our social world. Topics covered include goals, mood, memory, hypothesis testing, counterfactual thinking, stereotypes, and culture.

Prerequisite: PSY201H1 (or exclusion), PSY220H1

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY330H1 - Psychometrics

Hours: 36L

Concepts and methods for the measurement of abilities, interests and personality: reliability, validity, interpretation of test scores, norms, observational methods, structured tests, interview, projective techniques. Ethical problems in assessment. Not a course in test administration.

Prerequisite: PSY201H1 (or exclusion)

Exclusion: PSY331H5/PSYC37H3

Recommended Preparation: PSY202H1 (or exclusion), PSY230H1

Distribution Requirements: Science

PSY328H1 - Psychology and the Law

Hours: 36L

This course deals with psychological issues in the law, with particular reference to criminal law. It focuses mainly on research that has been done on pretrial publicity, eyewitness testimony, rules of evidence, and other factors that might affect jury decisions.

Prerequisite: PSY201H1 (or exclusion), PSY220H1

Exclusion: PSY328H5/PSYC39H3

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY331H1 - Social Psychology of Emotion

Hours: 36L

An in-depth review of the role of emotion in human psychology, with an emphasis on the links between emotion and cognition. Topics include theories of emotion, emotion regulation, emotional expression, and emotional experience, the role of emotion in decision-making, and the relationships between emotion, motivation and behaviour.

Prerequisite: PSY201H1 (or exclusion), PSY220H1

Exclusion: PSYC18H3

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY329H1 - Social Psychology Laboratory

Hours: 36P

Illustrates major methodologies within social psychology, such as attitude measurement, observation of small groups, and experiments. Course capacity is limited to 15 students and priority is given to PSY Specialists and Research Specialists during the first enrolment period.

Prerequisite: PSY202H1 (or exclusion), PSY220H1

Exclusion: PSY329H5

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY332H1 - Organizational Behaviour

Hours: 36L

An analysis of the individual, group, and institutional structures and processes that influence behaviour within organizations. Topics include motivation, leadership, communication, management theory, group processes and team work, supervision, and organizational culture.

Prerequisite: PSY201H1 (or exclusion), PSY220H1/ PSY230H1

Exclusion: RSM260H1/ IRE260H1

Distribution Requirements: Science

Breadth Requirements: Society and its Institutions (3)

PSY333H1 - Health Psychology**Hours:** 36L

Examines research evidence concerning the impact of psychological factors on physical health and illness.

Prerequisite: PSY201H1 (or exclusion), PSY230H1/ PSY240H1

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY339H1 - Individual Differences Laboratory**Hours:** 36P

Introduction to methods involved in individual differences or personality research. Group and individual projects focus on assessment of individual difference characteristics and on experimentation including such characteristics. Course capacity is limited to 15 students and priority is given to PSY Specialists and Research Specialists during the first enrolment period.

Prerequisite: PSY202H1 (or exclusion), PSY220H1/ PSY230H1

Exclusion: PSY329H5

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY336H1 - Positive Psychology**Hours:** 36L

A review of the field of positive psychology, which is the study of happiness and fulfillment. Topics include personal growth, meaning, hedonic and eudaimonic approaches to well-being, gratitude, awe, flow states, mindfulness and meditation.

Prerequisite: PSY201H1 (or exclusion), PSY220H1/ PSY230H1/ PSY240H1

Exclusion: PSY324H5

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY341H1 - Psychopathologies of Childhood**Hours:** 36L

This course focuses on cognitive and neuropsychological aspects of neurodevelopmental and psychiatric disorders in children from clinical and theoretical perspectives.

Prerequisite: PSY201H1 (or exclusion), PSY210H1/ PSY230H1/ PSY240H1

Exclusion: PSY341H5

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY337H1 - Advanced Personality Psychology**Hours:** 36L

This course covers major topics in personality psychology including prominent theories and current research in the area. Theoretical frameworks are integrated with specific applications in primary sources. Specific topics may include personality structure, personality development, psychodynamic approaches, genetic methodology, and emotion regulation.

Prerequisite: PSY201H1 (or exclusion), PSY230H1/ PSY240H1

Exclusion: PSYC35H3

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY342H1 - Cognition and Psychopathology**Hours:** 36L

Work in psychological disorders has increasingly used the theories and methodologies of cognitive psychology to guide research. This course will examine accounts of clinical disorders informed by cognitive experimental psychology, with emphasis on recent work in affective disorders.

Prerequisite: PSY201H1 (or exclusion), PSY230H1/ PSY240H1/ PSY270H1

Exclusion: PSY340H5

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY343H1 - Theories of Psychopathology and Psychotherapy

Hours: 36L

Examines various theories of how personality functioning may become impaired and corresponding psychotherapeutic interventions. Emphasis on empirical assessment of personality dysfunction and therapy effectiveness.

Prerequisite: PSY201H1 (or exclusion), PSY230H1/ PSY240H1

Exclusion: PSY343H5/PSYC36H3

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY369H1 - Psychobiology Laboratory

Previous Course Number: PSY399H1

Hours: 36P

This lab is an introduction to experimental methods in behavioural neuroscience, including neuroanatomical and psychopharmacological methods in rodents. Course projects will cover experimental design, laboratory techniques, data analysis, and scientific writing. Course capacity is limited to 12-15 students and priority is given to PSY Specialists and Research Specialists during the first enrolment period.

Prerequisite: PSY202H1 (or exclusion), PSY290H1/ HMB200H1

Exclusion: HMB310H1/PSY369H5/PSYC06H3

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSY359H1 - Human Neuroimaging Laboratory

Hours: 36P

Introduction to brain imaging methods used in cognitive, developmental, and social neuroscience. Course projects will cover experimental design, imaging techniques, and data analysis. Course capacity is limited to 15 students and priority is given to PSY Specialists and Research Specialists during the first enrolment period.

Prerequisite: PSY202H1, PSY270H1/ PSY280H1, PSY210H1/ PSY220H1/ PSY230H1/ PSY240H1

Exclusion: HMB310H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSY370H1 - Thinking and Reasoning

Hours: 36L

Problem-solving as a model of directed thinking; conceptual behaviour and mental representation; induction, deduction and learning; probabilistic reasoning; creative thinking and complex problem solving.

Prerequisite: PSY270H1/ COG250Y1

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY371H1 - Higher Cognitive Processes

Hours: 36L

This course covers selected topics pertaining to higher cognitive processes including expertise, consciousness, creativity, and human and artificial intelligence.

Prerequisite: PSY270H1/ PSY370H1/ COG250Y1

Exclusion: PSY371H5

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY362H1 - Animal Cognition

Hours: 36L

The study of memory, representation, concept learning, and other cognitive processes in non-human animals.

Prerequisite: PSY201H1 (or exclusion), PSY260H1

Exclusion: PSY362H5

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSY372H1 - Human Memory

Hours: 36L

Current theories and data on human memory: processes involved in encoding, storage, and retrieval.

Prerequisite: PSY201H1 (or exclusion), PSY260H1/ PSY270H1/ COG250Y1

Exclusion: PSY372H5

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY379H1 - Human Memory and Learning Laboratory

Hours: 36P

Examination of issues and methods in human memory research. Students conduct supervised research projects, and read, critique, and write research articles. Course capacity is limited to 15 students and priority is given to PSY Specialists and Research Specialists during the first enrolment period.

Prerequisite: PSY202H1 (or exclusion), PSY260H1/ PSY270H1/ COG250Y1

Exclusion: PSY379H5/PSYC58H3

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

JLP374H1 - Psychology of Language

Hours: 36L

In Psychology of Language, we investigate human and other animal communication, structure of human language, word meaning and semantic memory, psychological studies of syntax, bilingualism, language and thought, language errors and disorders. (Sponsored by the Departments of Linguistics and Psychology, but administered solely by the Dept. of Linguistics).

Prerequisite: One FCE from LIN228H1, LIN229H1, LIN232H1, LIN241H1, PSY260H1, PSY270H1, PSY280H1, PSY290H1, COG250Y1

Exclusion: LIN258H5, PSY374H5, PLIC55H3

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY380H1 - Vision Science

Hours: 36L

Integrates psychology, neuroscience, and computer science approaches to the study of vision science. Topics include: history and philosophy of vision science, low-level vision, motion perception, spatial vision, perception of objects and scenes, colour perception, attention and consciousness, and multisensory integration. Demonstrations/in-class experiments supplement lectures and readings. Emphasis on reading and writing scientific articles in vision science.

Prerequisite: PSY201H1 (or exclusion), PSY280H1

Exclusion: PSYC51H3

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSY378H1 - Engineering Psychology

Hours: 36L

The application of our knowledge of human information processing capabilities to improve human-machine systems design in a number of engineering environments including aviation, computer software, human-computer interaction, and nuclear power plants.

Prerequisite: PSY201H1 (or exclusion), PSY270H1/ PSY280H1/ COG250Y1

Recommended Preparation: PSY202H1 (or equivalent)

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY389H1 - Perception Laboratory

Hours: 36P

Examination of issues and methods in perception research.

Students conduct supervised research projects, and read, critique, and write research articles. Course capacity is limited to 15 students and priority is given to PSY Specialists and Research Specialists during the first enrolment period.

Prerequisite: PSY202H1 (or exclusion), PSY280H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSY390H1 - Behavioural Genetics

Hours: 36L

An examination of how genes contribute to the production of behaviour, either as structural elements or direct participants in behavioural regulation. Covers molecular genetics, natural selection, and genetic methods followed by specific examples of congenic disorders that affect behaviour and studies of normal behaviours in human and animal models.

Prerequisite: PSY201H1 (or exclusion), PSY260H1/ PSY290H1/ HMB200H1/ HMB265H1

Exclusion: PSY355H5

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSY397H1 - Biological Rhythms

Hours: 36L

Daily, monthly, annual and other rhythms and methods of measuring them. Behavioural and physiological aspects of biological clocks. The importance of rhythms in experimental design, in research on brain function, in affective disorders, and the use animals make of rhythms in migration and other behaviours.

Prerequisite: PSY290H1/ HMB200H1/ PSL300H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSY395H1 - Neuroethics

Hours: 36L

An examination of how developments in neurology and neuroscience can be used to inform ethical and legal issues related to free will, responsibility, competence, education, morality, and empathy in healthy people and in people with confirmed or suspected neurological disorders.

Prerequisite: PSY201H1 (or exclusion), PSY260H1/ PSY270H1/ PSY280H1/ PSY290H1

Recommended Preparation: Review of basic brain functions

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY396H1 - Neurochemical Basis of Behaviour

Hours: 36L

The functional relevance of neurotransmitters, with particular emphasis on their role in mediating behaviour.

Prerequisite: PSY201H1 (or exclusion), PSY290H1/ HMB200H1

Exclusion: PCL475Y1/PSYC62H3

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSY399Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

PSY400Y1 - Research Specialization: Thesis

Hours: TBA

An individual thesis done under the direction of a faculty member. Lecture and seminar presentations of proposals in the Fall session. Enrolment is restricted to PSY Research Specialists. Not eligible for CR/NCR option.

Prerequisite: Enrolment in the PSY Research Specialist program, PSY309H1, and one of PSY319H1/ PSY329H1/ PSY339H1/ PSY359H1/ PSY369H1/ PSY379H1/ PSY389H1

Exclusion: PSY400Y5/PSYC98Y3

Distribution Requirements: Science

PSY402H1 - Psychology Seminar

Hours: 24S

Examination in depth of specific topics in psychology *at the graduate level*. These seminars vary from year to year in terms of the number given, the topics, and the restrictions on enrolment. Students must get prior consent from the instructor of the graduate seminar they are interested in taking and submit this consent in writing to the department at which time you will be enrolled for **undergraduate** credit. Consult the Undergraduate Administrator for more details.

Distribution Requirements: Science

PSY403H1 - Psychology Seminar

Hours: 24S

Examination in depth of specific topics in psychology *at the graduate level*. These seminars vary from year to year in terms of the number given, the topics, and the restrictions on enrolment. Students must get prior consent from the instructor of the graduate seminar they are interested in taking and submit this consent in writing to the department at which time you will be enrolled for **undergraduate** credit. Consult the Undergraduate Administrator for more details.

Distribution Requirements: Science

PSY404H1 - Psychology Seminar

Hours: 24S

Examination in depth of specific topics in psychology *at the graduate level*. These seminars vary from year to year in terms of the number given, the topics, and the restrictions on enrolment. Students must get prior consent from the instructor of the graduate seminar they are interested in taking and submit this consent in writing to the department at which time you will be enrolled for **undergraduate** credit. Consult the Undergraduate Administrator for more details.

Distribution Requirements: Science

PSY405H1 - Individual Projects

An intensive laboratory or applied research project under the supervision of a Department of Psychology faculty member. Project must be academically demanding and uniquely suitable for the individual student. Additional information and applications are available at the department and on its website. This course is open to all Psychology program students.

Prerequisite: PSY202H1 (or exclusion), and appropriate background for the proposed work

Distribution Requirements: Science

PSY405Y1 - Individual Projects

An intensive laboratory or applied research project under the supervision of a Department of Psychology faculty member. Project must be academically demanding and uniquely suitable for the individual student. Additional information and applications are available at the department and on its website. This course is open to all Psychology program students.

Prerequisite: PSY202H1 (or exclusion), and appropriate background for the proposed work

Distribution Requirements: Science

PSY406H1 - Individual Projects

An intensive laboratory or applied research project under the supervision of a Department of Psychology faculty member. Project must be academically demanding and uniquely suitable for the individual student. Additional information and applications are available at the department and on its website. This course is open to all Psychology program students.

Prerequisite: PSY202H1 (or exclusion), and appropriate background for the proposed work

Distribution Requirements: Science

PSY406Y1 - Individual Projects

An intensive laboratory or applied research project under the supervision of a Department of Psychology faculty member. Project must be academically demanding and uniquely suitable for the individual student. Additional information and applications are available at the department and on its website. This course is open to all Psychology program students.

Prerequisite: PSY202H1 (or exclusion), and appropriate background for the proposed work

Distribution Requirements: Science

PSY407H1 - Special Topics in Psychology

Hours: 36L

A lecture course providing in-depth examination of specific topics/themes relating to Psychology. Content in any given year depends on instructor. Priority is given to PSY Major program students during the first enrolment period.

Prerequisite: PSY100H1, PSY201H1 (or exclusion), and one further 200-level PSY half-course

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY408H1 - Special Topics in Psychology

Hours: 36L

A lecture course providing in-depth examination of specific topics/themes relating to Psychology. Content in any given year depends on instructor. Priority is given to PSY Major program students during the first enrolment period.

Prerequisite: PSY100H1, PSY201H1 (or exclusion), and one further 200-level PSY half-course

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY409H1 - Research Specialization: Theoretical Foundations

Hours: 24S

Addresses the central theoretical issues that structure contemporary research in each of the major areas of psychology. The aim is to provide an informal overview of the field as a whole. Enrolment is restricted to PSY Research Specialists.

Prerequisite: Enrolment in the PSY Research Specialist program, PSY309H1

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY417H1 - Aging and Social Cognition

Hours: 36L

Lecture course examining theory and research on the social cognitive aspect of aging. Topics range from impression formation and causal attributions to perceptions of control and emotions.

Prerequisite: PSY201H1 (or exclusion), PSY220H1

Exclusion: PSY415H5

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY420H1 - Social Psychology Seminar

Hours: 24S

Examination in depth of a limited topic within social psychology. Content in any given year depends on instructor. Course capacity is limited to 20 students and enrolment priority is given to PSY Specialists and Research Specialists.

Prerequisite: PSY202H1 (or exclusion), PSY210H1

Exclusion: PSY410H5/PSYD20H3

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY421H1 - Person Perception

Hours: 36L

This lecture course discusses how we perceive, categorize, and form impressions of other people, relying on readings from primary sources in the scientific literature.

Prerequisite: PSY201H1 (or exclusion), PSY220H1, and PSY270H1 or PSY280H1

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY410H1 - Developmental Psychology Seminar

Hours: 24S

Examination in depth of a limited topic within developmental psychology. Content in any given year depends on instructor. Course capacity is limited to 20 students and enrolment priority is given to PSY Specialists and Research Specialists.

Prerequisite: PSY202H1 (or exclusion), PSY210H1

Exclusion: PSY410H5/PSYD20H3

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY414H1 - Moral Development

Hours: 36L

Lecture courses examining cognitive-developmental, psychoanalytic, sociobiological, behaviouristic and cultural-anthropological approaches to moral development. Issues covered include definitions of morality, the relationship between moral judgement and action, gender differences and commonalities, and the role of culture in moral development.

Prerequisite: PSY201H1 (or exclusion), PSY210H1

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY424H1 - Social Psychology of Interpersonal Relationships

Hours: 36L

This lecture course focuses on the social psychology of interpersonal relationships between individuals, especially romantic or close relationships and friendships. It surveys what social psychologists have learned about the development, maintenance, disruption or dissolution of personal relationships, as well as current social psychological theories of interpersonal relationships.

Prerequisite: PSY201H1 (or exclusion), PSY220H1

Exclusion: PSY327H5/PSYD11H3

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY427H1 - Media Psychology

Hours: 36L

This lecture course examines how we come to understand ourselves and our world, and learn to feel, judge, and act, through the simulative mediation of personal and mass communication technologies. The aim is to provide students with a deeper understanding of the highly commodified symbolic environment that surrounds them and in which they participate as audience and, increasingly, producer. Although the focus is psychological, the history, sociology, political economy, and technology of various media will be discussed in relation to the changing forms of public and private life in the 21st century.

Prerequisite: PSY201H1 (or equivalent), PSY220H1

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY425H1 - Self-Consciousness

Hours: 36L

The distinguishing feature of our species is the reflexivity of our consciousness - the ability to conceive of and interpret ourselves and our experiences. For us, consciousness involves self-consciousness. All our higher symbolic capabilities rest upon this foundation. The aim of this lecture course is to trace out a variety of frames through which we may examine and understand the shared aspects of our subjectivity as self-conscious agents. Using a multidisciplinary that draws together ideas and insights from psychology, sociology, philosophy, anthropology, and biology. The broader purpose of the course is to promote articulacy and critical acumen in how we think about reflexive experience.

Prerequisite: PSY201H1 (or exclusion), PSY220H1, PSY230H1/PSY240H1

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY428H1 - Critical Psychology

Hours: 36L

This lecture course examines the place of psychology in broader society and culture. What are the consequences of our research and professional practices for how we understand and govern ourselves and others? What is the extent of our authority and power to describe, define, and explain human behaviour and experience? How do our values direct our activities and interpretations as psychologists? How can we critically evaluate the assumptions, commitments, and shortcomings of our discipline in relation to real or imagined alternatives?

Prerequisite: PSY201H1 (or exclusion), PSY220H1

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY430H1 - Personality Seminar

Hours: 24S

Examination in depth of a limited topic within the area of personality. Content in any given year depends on instructor. Course capacity is limited to 20 students and enrolment priority is given to PSY Specialists and Research Specialists.

Prerequisite: PSY202H1 (or exclusion), PSY230H1/ PSY240H1

Exclusion: PSY430H5/PSYD30H3/PSYD32H3

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY426H1 - Motivational Theories in Social Psychology

Hours: 36L

With intensive reading and discussion of 'classic' and contemporary articles, this advanced lecture course in social psychology focuses on the central issues, methods, and findings in the study of motivation. Topics include self-regulation, achievement, and reward/punishment.

Prerequisite: PSY201H1 (or equivalent), PSY220H1

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY434H1 - Maps of Meaning: The Architecture of Belief

Hours: 36L

This lecture course is based on the book Maps of Meaning: The Architecture of Belief. Maps of Meaning lays bare the grammar of mythology, and describes the relevance of that grammar for interpretation of narrative and religion, comprehension of ideological identification, and understanding of the role that individual choice plays in the maintenance, transformation and destiny of social systems.

Prerequisite: PSY201H1 (or exclusion), PSY230H1/ PSY240H1

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY450H1 - History of Psychology

Hours: 36L

This lecture course discusses the philosophical predecessors and early development of modern psychology, schools of thought, and shifts in areas of theory and research, as well as history and philosophy of science, in general.

Prerequisite: One full course equivalent at the PSY 200+-level

Exclusion: PSYC85H3

Distribution Requirements: Science

Breadth Requirements: Society and its Institutions (3)

PSY435H1 - Environmental Psychology

Hours: 36L

This lecture course explores how psychologists can contribute to finding solutions to today's pressing environmental challenges. Topics include persuasion, community-based social marketing, social influence, social capital, and the many ways in which the physical environment affects psychological processes. The course takes a multi-scalar approach to the human-environment relationship, covering individual, community, cultural and global levels of scale, through the lens of complex dynamic systems theories.

Prerequisite: PSY100H1, PSY220H1, OR registered in an Environmental Studies/Science program

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY460H1 - Learning Seminar

Hours: 24S

Examination in depth of a limited topic in human or animal learning. Content in any given year depends on instructor. Course capacity is limited to 20 students and enrolment priority is given to PSY Specialists and Research Specialists.

Prerequisite: PSY202H1 (or exclusion), PSY260H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSY470H1 - Memory Seminar

Hours: 24S

Examination in depth of a limited topic within the area of memory. Content in any given year depends on instructor. Course capacity is limited to 20 students and enrolment priority is given to PSY Specialists and Research Specialists.

Prerequisite: PSY202H1 (or exclusion), PSY270H1/ COG250Y1

Exclusion: PSYD50H3

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

JLP471H1 - Advanced Psycholinguistics

Hours: 24S

Seminar in advanced topics in psycholinguistics. Content varies from year to year. (Sponsored by the Departments of Linguistics and Psychology, but administered solely by the Dept. of Linguistics).

Prerequisite: JLP374H1

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY471H1 - Cognition Seminar

Hours: 24S

Examination in depth of a limited topic in cognition. Content in any given year depends on instructor. Course capacity is limited to 20 students and enrolment priority is given to PSY Specialists and Research Specialists.

Prerequisite: PSY202H1 (or exclusion), PSY270H1/ COG250Y1 (may be additional prerequisites based on seminar topic given)

Exclusion: PSY471H5/PSY50H3

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY475H1 - Attention and Performance

Hours: 36L

This lecture course discusses visual attention; attentional selection for object recognition, feature integration, and action; attention in action-relevant space; movements of attention; eye-hand coordination, eye and limb movements; action-specific perception and effort-based models of perception; ecological perception and the perception of affordances.

Prerequisite: PSY201H1 (or exclusion), PSY270H1/ PSY280H1/ COG250Y1

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY473H1 - Social Cognitive Neuroscience

Hours: 36L

Social cognitive neuroscience is an emerging interdisciplinary field that seeks to integrate theories of social psychology and cognitive neuroscience to understand behaviour at three fundamentally interrelated levels of analysis (social, cognitive, and neural). Topics such as self-regulation, cooperation, decision-making, emotion, morality, and prejudice will be examined in this lecture course.

Prerequisite: PSY201H1 (or exclusion), PSY220H1, and PSY270H1/ PSY290H1

Exclusion: PSY353H5/PSYD17H3

Recommended Preparation: PSY326H1

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY480H1 - Seminar in Perception

Hours: 24S

An in-depth examination of current issues in perception (e.g. perceptual organization, object and face recognition, motion perception). Emphasis is on the psychological perspective, but integrates physiological and computational perspectives as well. Content in any given year depends on instructor. Course capacity is limited to 20 students and enrolment priority is given to PSY Specialists and Research Specialists.

Prerequisite: PSY202H1 (or exclusion), PSY280H1

Exclusion: PSY480H5/PSYD51H3

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSY474H1 - Computation in Psychology

Hours: 36L

This lecture course surveys computational perspectives on the mind and brain and introduces computational tools for connecting psychological and neural data to theory. Topics may include neural networks, probabilistic models, pattern recognition, and other techniques applicable to psychological research and general analysis. Basic familiarity with programming is recommended but not required.

Prerequisite: PSY202H1 (or exclusion)

Exclusion: PSY471H1 (Fall of 2015)

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

PSY490H1 - Brain Activity & Behaviour Seminar

Hours: 24S

An in-depth examination of current issues in brain and behaviour science (e.g. activity of neurons, sensory, motor, motivational, and higher cortical systems.). Content in any given year depends on instructor. Course capacity is limited to 20 students and enrolment priority is given to PSY Specialists and Research Specialists.

Prerequisite: PSY202H1 (or exclusion), PSY290H1/ HMB200H1

Exclusion: PSY490H5/PSYD66H3

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSY492H1 - Neurobiology of Learning and Memory

Hours: 36L

Understanding the complexities of how the mammalian nervous system acquires and stores information and how it transforms this information into appropriate behavior is fundamentally important to our understanding of both animal and human behavior. This lecture course explores empirical and theoretical contributions to our understanding of the neural basis of learning and memory.

Prerequisite: PSY201H1 (or exclusion), PSY260H1/ PSY290H1/ HMB200H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSY495H1 - Sex and the Brain

Hours: 36L

This lecture course explores the scientific literature underlying the concept that female/male, gay/straight, and transgendered behaviours are based on brain differences. Original scientific papers will be read in close detail for design and interpretation of the experiments. The goal is to gain an understanding of the science and psychology underlying sex/gender, popular conceptions of sex, and the sexual brain. Topics include: the making of sex, hormone action, brain-based sexual behaviours, sex and cognition, and sex and sexuality/gender identification.

Prerequisite: PSY201H1 (or exclusion), PSY290H1/ HMB200H1

Exclusion: PSY354H5/PSY395H5

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

PSY493H1 - Cognitive Neuroscience

Hours: 36L

This is a capstone lecture course surveying research on how the mind arises from the brain. The first objective of the course is to understand how processes in human brains (ranging from the firing of a single neuron to the dynamics of billions) support cognitive abilities (such as recognizing a face, remembering a birthday from childhood, understanding the words in a spoken lecture, or planning a route home from class). The second objective of the course is to understand the methods of contemporary cognitive neuroscience research, to enable students to read primary literature and to understand ongoing debates.

Prerequisite: PSY201H1 (or exclusion), PSY260H1/ PSY270H1/ PSY290H1/ HMB200H1

Exclusion: PSYC55H3

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSY496H1 - Cognitive Dysfunction in Neurological Disorders

Hours: 36L

This lecture course provides an in-depth examination of the cognitive dysfunction found in neurological disorders, including Alzheimer's Disease, Parkinson's Disease, and Schizophrenia. The course focuses on how cognitive impairments relate to neuropsychological models of the specific disease (specifically how these models provide insights into the biological mechanisms underlying the cognitive symptoms) and cognition, more broadly.

Prerequisite: PSY201H1 (or exclusion), PSY270H1/ PSY290H1

Exclusion: PSY471H1 (Winter of 2015)

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSY497H1 - Advanced Topics in Biological Rhythms

Hours: 24S

This seminar course discusses circadian rhythms with emphasis on non-photic entrainment and phase shifting of rhythms by behaviour (e.g., social interactions, becoming active). Properties and physiological mechanisms for non-photic effects and comparisons with those for photic effects. Although the emphasis is on basic principles, possible applications will also be discussed. Course capacity is limited to 20 students and enrolment priority is given to PSY Specialists and Research Specialists.

Prerequisite: PSY397H1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

PSY494H1 - Physiology and Psychology of Emotion

Hours: 36L

This lecture course discusses the role of brain and body in the expression and experience of emotion in humans considered through the experimental, physiological, theoretical, and clinical literatures.

Prerequisite: PSY201H1 (or exclusion), PSY260H1/ PSY270H1/ PSY290H1/ HMB200H1

Exclusion: PSYC18H3

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

Public Health Sciences

Faculty List

Professor and Dean of the School
H. Hu, MD MPH ScD

Professors

L.M. Calzavara, Ph D, MA
P. Corey, Ph D
M. Escobar, Ph D
J. Stafford, Ph D

Associate Professors

D. Allman, PhD
P.E. Brown, PhD
G. Einstein, MA, Ph D
B.J. Harvey, MD, Ph D, MEd
B. Poland, Ph D
P. Selby, MBBS, MHSc
J. Scott, Ph D
R. Summerbell, Ph D

Assistant Professors

P. Kaufman, PhD
K. Urbanoski, PhD

Offered by the Dalla Lana School of Public Health

Introduction

Public health is the science and art of preventing disease and promoting health through organized population-based efforts. The focus of public health is to prevent rather than treat disease and to positively affect determinants of health through a wide range of strategies, including the surveillance and assessment of population health and the promotion of healthy behaviours, healthy environments and healthy public policies. In addition to these activities, the identification and treatment of those with disease may be vital to preventing it in others, such as during an outbreak of an infectious disease. Hand washing, vaccination programs, the inspection of restaurants, laws banning smoking in public places and tax credits for childhood physical activity programs are examples of public health measures. Public health includes sub-disciplines such as epidemiology, biostatistics, occupational and environmental health, public health policy, and social and behavioural health sciences.

Associate Dean, Academic Affairs: Professor Andrea Sass-Kortsak, a.sass@utoronto.ca.

Enquiries: Room 688, Health Sciences Building

Public Health Sciences Courses

PHS100H1 - Global Health Grand Opps

Hours: 24L/24T

This course introduces students to basic public health-related concepts, significant aspects of the historical development of global health, and a selection of topics illustrating the broad and evolving nature of this field. In addition, it helps students explore the contributions that various disciplines/fields offer to global health.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

PHS300H1 - HIV Prevention Research

Hours: 24L

This course engages students in in-depth learning about HIV research. In addition to learning about methods and issues from a variety of research disciplines as applied to HIV, students will be expected, with guidance, to design a study relevant to the content of the course.

Recommended Preparation: STA220H1 or equivalent

Distribution Requirements: Science; Social Science

Breadth Requirements: Society and its Institutions (3)

HMB342H1 - Epidemiology of Health & Disease

Hours: 24L/24T

This course engages students in the fundamental science of epidemiology applied to health and disease. After an introduction to various measures of health and disease, the scientific methods used to investigate, analyze, prevent and control health problems will be illustrated using biomedical and public health examples.

Prerequisite: 9 FCE complete, BIO120H1, BIO130H1

Exclusion: HST373H1

Recommended Preparation: STA288H1 or other statistics course

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4)

STA365H1 - Applied Bayesian Statistics**Hours:** 36L

Bayesian inference has become an important applied technique and is especially valued to solve complex problems. This course first examines the basics of Bayesian inference. From there, this course looks at modern, computational methods and how to make inferences on complex data problems.

Prerequisite: STA302H1/STAC67H3/STA302H5**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**GGR434H1 - Building Community Resilience****Hours:** 36S

Examines concepts of resilience as a way of building the capacity of communities to (a) respond to predicted disruptions/shocks associated with climate change, global pandemics, anticipated disruptions in global food supply, energy insecurity, and environmental degradation; and (b) nurture the development of alternative spaces that support the emergence of more life-sustaining structures and practices. Includes explicit attention to equity and public health, and explores issues such as: participatory governance of social-ecological systems, the nature of social change, complexity science, the role of social movements, indigenous and political ecology perspectives.

Prerequisite: 10 FCEs**Exclusion:** GGR400H1 (2011-12)**Recommended Preparation:** 1.0 FCEs in Geography**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**PSY407H1 - Special Topics in Psychology****Hours:** 36L

A lecture course providing in-depth examination of specific topics/themes relating to Psychology. Content in any given year depends on instructor. Priority is given to PSY Major program students during the first enrolment period.

Prerequisite: PSY100H1, PSY201H1 (or exclusion), and one further 200-level PSY half-course**Distribution Requirements:** Science**Breadth Requirements:** Thought, Belief and Behaviour (2)**GGR433H1 - Built Environment and Health****Hours:** 36S

Linking across fields that include public health, geography and planning, this course examines the growing evidence and ways in which human health is affected by the design and development of the built environment in which we live, work and play. The course considers how various planning and development decisions impact population and individual health, particularly in relation to chronic diseases, injuries, and mental health. Field trip transportation cost: \$20.

Prerequisite: 10.0 FCE's**Exclusion:** GGR400H1 (2012-13)**Recommended Preparation:** 1.0 FCE in Geography (SOC

SCI/BR=3)

Distribution Requirements: Social Science**Breadth Requirements:** Society and its Institutions (3)**HMB436H1 - Medical and Veterinary Mycology****Hours:** 24L

This lecture-based course will familiarize students with fungi of public health importance, particularly those that cause disease in humans and other animals. The course will focus on the clinical presentation, pathophysiology, and treatment of fungal infections, as well as the ecology, physiology and evolutionary biology of the agents responsible. The course will also address other ways in which fungi influence human and animal health.

Prerequisite: 14 FCE complete, HMB265H1/ BIO260H1, BIO220H1**Recommended Preparation:** EEB268H1, EEB331H1/ CSB353H1**Distribution Requirements:** Science**Breadth Requirements:** Living Things and Their Environment (4)**STA465H1 - Theory and Methods for Complex Spatial Data****Hours:** 36L

Data acquisition trends in the environmental, physical and health sciences are increasingly spatial in character and novel in the sense that modern sophisticated methods are required for analysis. This course will cover different types of random spatial processes and how to incorporate them into mixed effects models for Normal and non-Normal data. Students will be trained in a variety of advanced techniques for analyzing complex spatial data and, upon completion, will be able to undertake a variety of analyses on spatially dependent data, understand which methods are appropriate for various research questions, and interpret and convey results in the light of the original questions posed.

Prerequisite: STA302H1/STAC67H3/STA302H5, STA303H1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)

Public Policy

Introduction

Solving real-world policy challenges requires the use of multi-disciplinary tools to analyze problems, determine the best means to deal with those problems, and decide on the best course of action. An undergraduate Major in Public Policy provides a unique opportunity for students in Social Science disciplines to think in an interdisciplinary way, by drawing on theories and approaches, as well as tool kits developed in the core disciplines of Economics and Political Science, and beyond. Students in this program develop theoretical and applied reasoning skills in policy analysis, as well as a solid grounding in quantitative methods and research.

Regarding Public Policy Programs

The Major program in Public Policy is offered jointly by the Munk School of Global Affairs and Public Policy, the Department of Economics, and the Department of Political Science. Students may enroll after their first- or second-year of undergraduate studies, and must meet the prerequisite conditions for all second-year and higher courses.

The Program Director and Program Assistant are available for consultation. For enquiries or an appointment call the Undergraduate Administrator, Petra Jory at 416-978-5402 or send an e-mail to p.jory@utoronto.ca.

Public Policy Programs

Major in Public Policy (Arts Program) - ASMAJ2660

Description:

The Major program in Public Policy is offered jointly by the School of Public Policy, the Department of Economics, and the Department of Political Science. Students enroll after first-year, and must meet the prerequisite conditions for all second-year and higher courses.

Enrolment Requirements:

First Year:

1. POL101Y1 (67%)
OR Trinity One Public Policy courses TRN160Y1 and/or TRN161Y1 (75%) / Vic One policy streams (75% in 1.0 FCE from VIC187H1, VIC188H1 or Pearson Stream courses)
*Students entering through Trinity One/Vic One streams will be ineligible to take upper year POL courses until they have completed POL214Y1
2. Either ECO100Y1 / ECO101H1 & ECO102H1 (with an average final mark of at least 67%) or ECO105Y1 (with a final mark of at least 80%)
3. Students expecting to choose ECO courses in their second year or higher must complete MAT133Y1 or equivalent in their first year, to meet required prerequisites for ECO courses. If MAT133Y1 or equivalent is not taken, students

will not be eligible to enrol in 200+-level ECO courses, and must take PPG200H1 to fulfil program requirements in lieu of ECO200Y1/ ECO204Y1/ ECO206Y1.

Second Year:

1. ECO200Y1/ ECO204Y1/ ECO206Y1/ PPG200H1
2. Students expecting to choose ECO courses in their second year or higher must complete MAT133Y1 or equivalent in their first year, to meet required prerequisites for ECO courses. If MAT133Y1 or equivalent is not taken, students will not be eligible to enrol in 200+-level ECO courses, and must take PPG200H1 to fulfil program requirements in lieu of ECO200Y1/ ECO204Y1/ ECO206Y1.
3. ECO220Y1/ (POL222H1+ POL232H1)/ SOC202H1/ STA220H1/ STA221H1/ STA248H1/ STA255H1/ STA261H1
4. POL214Y1

Students may enroll after their first- or second-year of study. Achieving the minimum grade requirements outlined above does not necessarily guarantee admission to the program in any given year.

Completion Requirements:

(7.5 FCEs)

First Year:

1. POL101Y1 (67%) OR Trinity One Public Policy courses TRN160Y1 and/or TRN161Y1 (75%) / Vic One policy streams (75% in 1.0 FCE from VIC187H1, VIC188H1 or Pearson Stream courses)
*Students entering through Trinity One/Vic One streams will be ineligible to take upper year POL courses until they have completed POL214Y1
2. ECO100Y1 or ECO101H1 & ECO102H1 (with a combined average of at least 67%) or ECO105Y1 (with a final mark of at least 80%).
3. Students expecting to choose ECO courses in their second year or higher must complete MAT133Y1 or equivalent in their first year, to meet required prerequisites for ECO courses. If MAT133Y1 or equivalent is not taken, students will not be eligible to enrol in 200+-level ECO courses, and must take PPG200H1 to fulfil program requirements in lieu of ECO200Y1/ ECO204Y1/ ECO206Y1.

Second Year:

1. ECO200Y1/ ECO204Y1/ ECO206Y1/ PPG200H1
2. Students expecting to choose ECO courses in their second year or higher must complete MAT133Y1 or equivalent in their first year, to meet required prerequisites for ECO courses. If MAT133Y1 or equivalent is not taken, students will not be eligible to enrol in 200+-level ECO courses, and must take PPG200H1 to fulfil program requirements in lieu of ECO200Y1/ ECO204Y1/ ECO206Y1.
3. ECO220Y1/ (POL222H1+ POL232H1)/ SOC202H1/ STA220H1/ STA221H1/ STA248H1/ STA255H1/ STA261H1
4. POL214Y1

Third and Fourth Years:

1. PPG301H1
2. PPG401H1

3. Remaining FCEs to reach the 7.5 requirement will be drawn from 300+-level drawn from Economics, Political Science, Sociology, or related disciplines.

A non-exhaustive list of eligible courses includes:

ECO313H1/ ECO314H1/ ECO320H1/ ECO324Y1/ ECO331H1/ ECO333H1/ ECO334H1/ ECO336Y1/ ECO339Y1/ ECO349H1/ ECO364H1/ ECO365H1/ ECO369H1/ ECO402H1/ ECO403H1/ ECO407H1/ ECO410H1/ ECO414H1/ ECO416H1/ ECO425H1/ ECO426H1/ ECO434H1/ ECO439H1/ POL306H1/ POL308H1/ POL312Y1/ POL314Y1/ POL315H1/ POL316Y1/ POL317Y1/ POL318H1/ POL321H1/ POL332Y1/ POL334H1/ POL336H1/ POL337Y1/ POL341H1/ POL344H1/ POL351Y1/ POL356Y1/ JPR364H1/ POL370H1/ POL371H1/ POL377H1/ POL408H1/ POL409H1/ POL411H1/ POL413H1/ JPJ412H1/ POL423H1/ POL425Y1/ POL439H1/ POL447Y1/ POL448H1/ POL450H1/ JPF455Y1/ JPR457H1/ POL457Y1/ POL458H1/ POL474H1/ POL480Y1/ POL481Y1/ POL482H1

With the approval of the program director, students can take public policy oriented courses outside this list.

Students may enroll after their first- or second-year of study. Achieving the minimum grades outlined above does not necessarily guarantee admission to the program in any given year.

Public Policy Courses

PPG200H1 - Microeconomics for Policy Analysis

Hours: 24L

The objectives are: (1) To provide students with a foundation in microeconomic analysis and; (2) To demonstrate how this foundation can be applied to design, predict the effects of and evaluate public policies.

Students will be equipped to understand the main issues on a range of policy topics such as taxation, social insurance, welfare and income support programs.

Prerequisite: ECO100Y1 / ECO101H1& ECO102H1 / ECO105Y1

Exclusion: ECO200Y1, ECO204Y1, ECO206Y1

Recommended Preparation: POL101Y1

Breadth Requirements: Society and its Institutions (3)

PPG301H1 - Introduction to Public Policy

Hours: 24L

The course introduces students to the study of public policy, the policy process and our policy institutions in Canada. The course examines how issues emerge, how important ideas are framed, priorities are established, and agendas are set and managed. It explores how institutions – formal and informal rules which enable and constrain actors – shape policy-making in Canada.

Prerequisite: (ECO200Y1/ ECO204Y1/ ECO206Y1/ PPG200H1), (ECO220Y1/ POL242Y1/ SOC202H1/ STA220H1/ STA221H1/ STA248H1/ STA255H1/ STA261H1), POL214Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

PPG401H1 - The Role of Government

Hours: 24L

This course explores the government's role in promoting efficiency and equity in both the financing and delivery of public policy goals. It explores the conditions when government involvement is important, the policy levers available to government in promoting social policy, market failures, and conditions for efficiency. It examines the role of government in many of the major areas of social policy such as health care, education, redistribution, the environment, financial regulations and other important issues.

Corequisite: PPG301H1

Recommended Preparation: ECO200Y1/ ECO204Y1/ ECO206Y1/ PPG200H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

Religion

Faculty List

University Professor

J.S. Kloppenborg MA, Ph D FRSC

Professors Emeriti

A.T. Davies, BA, BD, STM, Ph D (V)
 C.T. McIntire, MA, M Div, Ph D (V)
 H.J. McSorley, MA, D Th (SM)
 G.A. Nicholson, MA, Ph D (T)
 G.P. Richardson, B Arch, BD, Ph D, FRSC, FRAIC (U)
 R.M. Savory, MA, Ph D, FRSC (T)
 L.E. Schmidt, MA, Ph D (SM)
 R.E. Sinkewicz, AM, M Div, D Phil (CMS)
 J.M. Vertin, MA, STL, Ph D (SM)

Professor and Chair of the Department

J.S. Kloppenborg MA, Ph D FRSC

Associate Professor and Associate Chair

Sol Goldberg, Ph D

Professors

S. Coleman, Ph D
 J. Dicenso, MA, Ph D
 H. Fox MS, MA, Ph D
 R. Gibbs, Ph D
 K. H. Green, MA, Ph D (U)
 P. Klassen MA, Ph D
 J. S. Kloppenborg MA Ph D, FRSC (T)
 D. Novak, MHL, Ph D, FRSC
 K. O'Neill, MA, Ph D

Associate Professors

L. Bugg, PhD
 A. Dhand, MA, Ph D (V)
 C. Emmrich, MA, Ph D (University of Toronto Mississauga)
 F. Garrett, MA, Ph D
 J. Harris MA, Ph D
 J. Marshall, MA, Ph D (U)
 R. Marshall, D Phil
 A. Mittermaier, Ph D
 J. Newman, MAR, Ph D (V)
 S. Raman, MA, Ph D
 A. Rao, MA, Ph D (University of Toronto Mississauga)
 K. Ruffle, Ph D (University of Toronto Mississauga)
 K. Smith, Ph D (University of Toronto Mississauga)
 S. Virani, MA, Ph D (University of Toronto Mississauga)

Assistant Professors

A. Goodman, Ph D
 A. Hampton, Ph D
 N. Mountaz, Ph D
 J. Vig Ph D
 J. B. Scott, Ph D (University of Toronto Mississauga)
 K. J. White, PhD

Associate Professor (Teaching Stream)

Sol Goldberg, Ph D

Assistant Professor (Teaching Stream)

Yigal Nizri, Ph D
 Elizabeth Mills, DPhil

The Study of Religion

As an intellectual inquiry into an important dimension of human experience, the study of religion enables students to grasp an essential aspect of the cultures of the world and the interactions among them. We look at the development of religious beliefs, practices, and doctrines as they intersect with the history of peoples and cultures right up to the contemporary world. The study of religion also prepares students for a wide range of careers, such as social work, law, politics from the local to the international level, teaching, medicine, or leadership in religious organizations. Combined with appropriate language preparation, it can also open out into graduate work leading to the M.A. and Ph.D. in the growing number of universities offering advanced graduate degrees in the field, and in our University's own Graduate programs.

Historically, the academic study of religion has taken a variety of forms, each with its own rationale. The Department identifies itself with a model in which the major religious traditions (e.g., Buddhism, Christianity, Hinduism, Islam, Judaism) are studied within a comparative frame. We employ and encourage a variety of approaches (e.g., historical, textual, social scientific) without sacrificing specialized skills and training. The diversity which characterizes this model is reflected in the variety of courses offered or cross-listed by the Department, and by the wide range of training and expertise of our faculty.

Information about programs, courses, including a number of cross-listed courses offered by Colleges or departments such as East Asian Studies, History, Near and Middle Eastern Civilizations, Philosophy, and Sociology can be found on the Department's [website](#). Students aiming to complete any RLG program should consult the Undergraduate Administrator at least once a year for assistance in selecting courses that address the student's interests and fulfill the programs requirements.

Undergraduate Administrative Assistant: Jackman Humanities Building, Room 310 (416-978-2395)

Enquiries: Jackman Humanities Building (416-978-2395)

Religion Programs

Buddhist Studies Specialist (Arts Program) - ASSPE1525

Completion Requirements:

(10 full courses or their equivalent)

1. A full year of introductory courses in the first or second year, to be selected from [RLG100Y1](#)/ [RLG280Y1](#) or [RLG101H1F](#) and [RLG101H1S](#).
2. No later than the third year of study: [RLG200H1](#). [RLG200H1](#) is a prerequisite for all 400-level courses.
3. [RLG206H1](#).
4. One course drawn from RLG 209H1/211H1/212H1/213H1.
5. Two consecutive (FCE) language courses in one of: Chinese, Japanese, Korean, Sanskrit or Tibetan.
6. A total of nine half-courses (or equivalent) chosen from the list below. At least five half-courses (or equivalent) must be RLG courses ([EAS324H1](#), [EAS325H1](#), and [EAS361Y1](#) are counted as RLG courses here). At least five half-courses (or equivalent) must be

taken at the 300-level or higher.

Second year courses: RLG205H1, RLG245H1, RLG246H1, FAH260H1, EAS209H1, EAS215H1, HIS280Y1, HIS281Y1, HIS282Y1, HIS283H1, NEW214Y1, NEW232Y1, PHL237H1.

Third year courses: RLG316H1, RLG356H1, RLG361H1, RLG363H1, RLG366H1, RLG368H1, RLG372H1, RLG373H1, RLG375H1, RLG371H5, RLG373H5, RLG374H5, RLGC07H3S, FAH363H1, FAH364H1, FAH368H1, EAS338H1, EAS361Y1, EAS346H1, HIS380H1, NEW332H1, NEW333H1, NEW339H1, PHL337H1.

7. One half-course at the 400 level.

Four year courses: RLG462H1, RLG463H1, RLG464H1, RLG465H1, RLG466H1, RLG467H1, RLG468H1, RLG469Y1, RLG470H1, RLG470H5, RLG473H1, FAH461H1, HIS485H1, NEW433H1.

8. RLG404H1 or RLG405H1 or RLG406H1, a capstone integrative course. (Note: this does not fulfil the requirement of the 400 level FCE in #7 above.)

Religion Specialist (Arts Program) - ASSPE0151

Completion Requirements:

(10 full courses or their equivalent)

1. A full year of introductory courses in the first or second year, to be selected from RLG100Y1/ RLG280Y1 or RLG101H1F and RLG101H1S.

2. No later than the third year of study: RLG200H1. RLG200H1 is a prerequisite for all 400-level courses.

3. One course from RLG202H1/ RLG203H1/ RLG204H1/ RLG205H1/ RLG206H1/ RLG208H1/ RLG241H1.

4. One course from RLG209H1/211H1/212H1/ RLG213H1.

5. Any other 200 level RLG course (excluding language courses).

6. Seven RLG half-courses at the 300+ level. Students should develop a focused program of study and may consult the Associate Chair or program office for advice.

7. One half-course at the 400 level in your area of focus.

8. Five other RLG half-courses at any level.

9. RLG404H1 or RLG405H1 or RLG406H1, a capstone integrative course (note: this does not fulfil the requirement of the 400-level courses in #7, above.)

Four half-course cross-listed courses may be counted towards the fulfillment of the degree (consult the Religion website for a list of eligible courses).

It is highly recommended that Religion Specialists who are interested in pursuing graduate training also complete two full years of a relevant foreign language. This should be discussed early in a student's program with the Associate Chair or other Religion professors.

Religion: Christian Origins Specialist (Arts Program) - ASSPE1520

Completion Requirements:

(10 full courses or their equivalent)

1. A full year of introductory courses in the first or second year, to be selected from RLG100Y1/ RLG280Y1 or RLG101H1F and RLG101H1S.

2. RLG241H1.

3. RLG203H1.

4. No later than the third year of study: RLG200H1. RLG200H1 is a prerequisite for all 400-level courses.

5. Four half-courses in Greek, normally fulfilled by GRK101H1, GRK102H1 + GRK200H1, and GRK201H1 and GRK202H1. (Note: Upon approval of the program coordinator, students may be permitted to substitute for these courses two full courses in another ancient language, e.g., Syriac, Aramaic.)

6. Four 300+ half-courses chosen from RLG319H1, RLG320H1, RLG321H1, RLG322H1, RLG323H1, RLG324H1, RLG326H1, RLG327H1, RLG328H1.

7. One half-course from RLG448H1, RLG449H1, RLG451H1, RLG452H1, RLG453H1, RLG454H1, RLG455H1, RLG458H1.

8. Three half-courses or the equivalent chosen from CLA204H1, CLA230H1, CLA231H1, CLA232H1, CLA233H1, CLA305H1, CLA308H1, CLA310H1, CLA364H1, CLA368H1, CLA369H1, CLA371H, CLA378H1, NMC351H1 NMC252H1, NMC270H1, NMC351H1, NMC360H1, NMC361H1, NML352H1, NML353H1, NML356Y1, NML357H1, NML358H1, NML359H1, NML451H1, NML452H1, FAH309H1, FAH313H1, FAH318H1, FAH319H1, FAH424H1.

9. Two half-courses in another religious tradition, preferably an Asian tradition such as Hinduism, Sikhism or Buddhism.

10. RLG404H1 or RLG405H1, or RLG406H1, a capstone integrative course. (Note: this does not fulfil the requirement of the 400-level FCE in #7 above.)

Buddhist Studies Major (Arts Program) - ASMAJ1525

Completion Requirements:

(7 full courses or their equivalent)

1. A full year of introductory courses in the first or second year, to be selected from RLG100Y1/ RLG280Y1 or RLG101H1F and RLG101H1S.

2. No later than the third year of study: RLG200H1. RLG200H1 is a prerequisite for all 400-level courses.

3. RLG206H1

4. A total of eight half-courses (or equivalent) chosen from the following list; at least six half-courses must be RLG courses (EAS324H, EAS325H, and EAS361Y are counted as RLG courses here). Six half-courses must be taken at the 300-level or higher.

Second year courses: RLG205H1, RLG236H1, RLG245H1, RLG246H1, RLGB03H3F, RLGB07H3F, FAH260H1, EAS209Y1, EAS215H1, HIS280Y1, HIS281Y1, HIS282Y1, HIS283H1, NEW214Y1, NEW232Y1, PHL237H1.

Third year courses: RLG316H1, RLG356H1, RLG361H1, RLG363H1, RLG366H1, RLG367H1, RLG368H1, RLG371H1, RLG372H1, RLG373H1, RLG375H1, RLG371H5, RLG373H5, RLG374H5, RLGC07H3S, FAH361H1, FAH362H1, FAH363H1, FAH364H1, FAH368H1, EAS324H1, EAS325H1, EAS338H1, EAS361Y1, EAS346H1, HIS380H1, NEW331H1, NEW332H1, NEW333H1, NEW339H1, PHL337H1.

5. One half-course at the 400 level, selected from the following: RLG462H1, RLG463H1, RLG464H1, RLG465H1, RLG466H1, RLG467H1, RLG468H1, RLG469H1, RLG470H1, RLG470H5, RLG473H1, RLG490Y1, FAH461H1, HIS409H1, HIS485H1, NEW433H1.

6. RLG404H1 or RLG405H1 or RLG406H1, a capstone, integrative course. (Note: this does not fulfil the requirement of the 400 level FCE in #5 above.)

Islamic Studies Major (Arts Program) - ASMAJ1359

Completion Requirements:

(6.5 full courses or their equivalent)

1. RLG100Y1/ RLG280Y1 in first or second year (1.0 credit).
2. RLG200H1. RLG200H1 is a prerequisite for all 400-level courses and must be taken no later than the third year of study (0.5 credit).
3. RLG204H1 (0.5 credit).
4. One half-course from RLG209H1/ RLG211H1/ RLG212H1/ RLG213H1 (0.5 credit).
5. Seven half-courses from the following list (four half-courses must be at the 300+ level): NMC103H1, NMC273Y1, NMC275H1, NMC348Y1, NMC355H1, NMC374H1, NMC376H1, NMC377Y1, NMC381H1, NMC385H1, NMC393H1, NMC396Y1, NMC471H1, NMC475H1; PHL336H1; RLG312H1, RLG350H1, RLG351H1, RLG352H1, RLG355H1, RLG356H1, RLG458H1; FAH265H1, FAH326H1 (3.5 credits).
6. RLG404H1 or RLG405H1 or RLG406H1, a capstone, integrative course (0.5 credit).

Note: Special Topics courses with Islam content (like NMC277H1 or RLG412H1) will also count towards the program.

Religion Major (Arts Program) - ASMAJ0151

Completion Requirements:

(6.5 full courses or their equivalent)

1. A full year of introductory courses in the first or second year, to be selected from RLG100Y1/ RLG280Y1 or RLG101H1F and RLG101H1S.
2. No later than the third year of study: RLG200H1. RLG200H1 is a prerequisite for all 400-level courses.
3. One course from RLG202H1/203H1/204H1/205H1/206H1/ RLG208H1/ RLG241H1.
4. Four RLG half-courses at the 300+ level, one of which must be in the same tradition as was chosen from #3 above.
5. Four half-courses chosen from other RLG courses.
6. RLG404H1 or RLG405H1 or RLG406H1, a capstone, integrative course.

Two half-course cross-listed courses may be counted towards the fulfillment of the degree (consult the Religion website for a list of eligible courses).

Religion Minor (Arts Program) - ASMIN0151

Completion Requirements:

(Four full courses or their equivalent)

1. A full year of introductory courses in the first or second year, to be selected from RLG100Y1/ RLG280Y1 or RLG101H1F and RLG101H1S
2. Two half-courses from the RLG 300+ series.
3. Four other RLG half-courses.
4. No cross-listed courses may be counted. NMC283Y, SOC250Y and JPR courses will be counted as Religion courses.

Regarding Courses in Religion

200-Series Courses

No 200-series course has a 100-series RLG course prerequisite or Co-requisite.

300-Series Courses

All 300-series courses normally presuppose that a student has already completed, by the first day of the course, at least 4.0 FCEs (or their equivalent). Only specific Prerequisites or recommended preparations are listed below. Students who do not meet the Prerequisites, but believe they have adequate academic preparation, should consult the Undergraduate Administrator regarding entry to the course.

400-Series Courses

400-series courses are intended primarily for Specialists and Majors who have already completed several RLG courses. Almost all 400-level courses are E indicator courses and require the instructor's permission. Students must enrol at the Department.

Independent Research Courses

Student-initiated intensive research courses supervised by faculty members of the Department. The student must obtain both a Supervisor's agreement and the Department's approval in order to register. The maximum number of Independent Research courses one may take is two full-course equivalents. Deadline for submitting applications to Department, including Supervisor's approval, is the first week of classes of the session. A full-course may be compressed into a single session or spread through two sessions; a half-course may similarly be done in either one session or across two sessions. These courses are open to majors and specialists only.

Religion Courses

RLG100Y1 - World Religions

Hours: 48L/24T

An introduction to the history, philosophy, and practice of the major religions of the world, including Judaism, Christianity, Islam, Hinduism, Buddhism, Confucianism and Taoism.

Inclusion: RLG280Y1, RLGA01H3, RLGA02H3. Note: RLGA01H3 and RLGA02H3 taken together are equivalent to RLG100Y1. Note: RLG101H5 is not equivalent to RLG100Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3); Thought, Belief and Behaviour (2)

RLG101H1 - Introducing Religion

Hours: 24L

An introduction to topics in the study of Religion. Topics will vary by semester and year. Check the department website for upcoming topics.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

MHB155H1 - Elementary Modern Hebrew I

Hours: 36L/12T

Introduction to the fundamentals of Hebrew grammar and syntax. Emphasis on the development of oral and writing skills.

Exclusion: Grade 4 Hebrew (or Grade 2 in Israel)/ NML155H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

MHB156H1 - Elementary Modern Hebrew II

Hours: 36L/12T

Continued introduction to the fundamentals of Hebrew grammar and syntax. Emphasis on the development of oral and writing skills.

Prerequisite: MHB155H1/ NML155H1 or permission of instructor

Exclusion: Grade 4 Hebrew (or Grade 2 in Israel)/ NML156H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG197H1 - Enchantment, Disenchantment, Re-Enchantment

Hours: 24L

Modernity is associated with disenchantment, secularisation and progress, and has traditionally been understood as the successor to the enchanted, spiritual, and transcendent worldviews of antiquity and the middle ages. Re-enchantment, a term increasingly encountered in popular and academic contexts alike, demonstrates nostalgia for an enchanted past, a discomfort with the modern narrative, and a desire to recover wonder. This course will examine the history of enchantment through a series of readings taken from literature, philosophy, theology, ranging from Plato to contemporary magical realism. Restricted to first-year students. Not available for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG198H1 - Dystopia: Religion & Gender in Science Fiction

Hours: 24L

This course will examine the “what ifs” and imagined worlds of ideal utopias and oppressive dystopias through the lens of religion and gender in Margaret Atwood’s *The Handmaid’s Tale* and Charlotte Perkins Gilman’s *Herland*. Because science fiction and utopian/dystopian literature expresses what an author sees as possible or hopes is possible, but also fears is possible, we will consider science fiction as a political and social critique. Themes to be covered include fundamentalism, totalitarianism, the relationship between technology and religion, religion and reproductive rights, and the potential relationship between religion, gender and oppression. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG199H1 - Religion for Grown-Ups?

Hours: 24L

Kant, the great modern philosopher, famously describes enlightenment as our release from self-incurred immaturity or minority. That is, according to Kant, we don’t want to grow up. Our immaturity is facilitated especially by religion, whose demands for deference to the authority of texts, traditions, and gods often prevent us from taking full responsibility for our thoughts and actions. But need religion play this role? Is there a religion for grown-ups? This course explores those questions by reading autobiographical accounts of philosophers who describe how their study of philosophy either strengthened or strangled their youthful religious convictions. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG200H1 - The Study of Religion

Previous Course Number: RLG200Y1

Hours: 24L/12T

An introduction to the discipline of the study of religion. This course surveys methods in the study of religion and the history of the discipline in order to prepare students to be majors or specialists in the study of religion.

Prerequisite: Open to Religion Specialists and Majors

Exclusion: RLG200Y1, RLGB10H3, RLG105H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG201H1 - Indigenous Religions

Hours: 24L/12T

A historical and thematic introduction to Indigenous religions.

Prerequisite: None

Corequisite: None

Exclusion: None

Recommended Preparation: None

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG205H1 - Hinduism

Hours: 24L/24T

A historical and thematic introduction to the Hindu religious tradition as embedded in the socio-cultural structures of India.

Exclusion: RLG205H5, RLG205Y1

Recommended Preparation: RLG100Y1/ RLG200H1/ RLG280Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG202H1 - Judaism

Hours: 24L/12T

An introduction to the religious tradition of the Jews, from its ancient roots to its modern crises. Focus on great ideas, thinkers, books, movements, sects, and events in the historical development of Judaism through its four main periods - biblical, rabbinic, medieval, and modern.

Exclusion: RLG202H5, RLG202Y1

Recommended Preparation: RLG100Y1/ RLG200H1/ RLG280Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

Hours: 24L/24T

The development, spread, and diversification of Buddhist traditions from southern to northeastern Asia, as well as to the West.

Exclusion: RLG206H5, RLG206Y1

Recommended Preparation: RLG100Y1/ RLG200H1/ RLG280Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG208H1 - Sikhism

Hours: 24L

A historical and thematic introduction to the Sikh religious tradition as embedded in the socio-cultural structures of India.

Prerequisite: None

Corequisite: None

Exclusion: RLG207H5

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG209H1 - Justifying Religious Belief

Hours: 24L

A survey course that introduces students to a range of epistemological and ethical issues in the study of religion. The issues include: the justification of religious belief; the coherence of atheism; reason vs. faith; the nature of religious language; religious pluralism, exclusivism, and inclusivism.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG204H1 - Islam

Hours: 24L/24T

The faith and practice of Islam: historical emergence, doctrinal development, and interaction with various world cultures. Note: this course is offered alternatively with NMC283Y1, to which it is equivalent.

Exclusion: NMC185Y1, NMC185H1, NMC283Y, RLG204H5, RLG204Y1

Recommended Preparation: RLG100Y1/ RLG200H1/ RLG280Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG210Y1 - Introduction to the Sociology of Religion

Hours: 48L/24T

Religion from the sociological viewpoint; religion as the source of meaning, community and power; conversion and commitment; religious organization, movements, and authority; the relation of religion to the individual, sexuality and gender; conflict and change; religion and secularization. Emphasis on classical thinkers (Durkheim, Marx, Weber) and contemporary applications. Note: This course is equivalent to SOC250Y1.

Exclusion: SOC250Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3); Thought, Belief and Behaviour (2)

RLG211H1 - Psychology of Religion

Hours: 24L/12T

A survey of the psychological approaches to aspects of religion such as religious experience, doctrine, myth and symbols, ethics and human transformation. Attention will be given to phenomenological, psychoanalytic, Jungian, existentialist, and feminist approaches.

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG212H1 - Anthropology of Religion

Previous Course Number: RLG212Y1

Hours: 24L/24T

Anthropological study of the supernatural in small-scale non-literate societies. A cross-cultural examination of systems of belief and ritual focusing on the relationship between spiritual beings and the cosmos as well as the rights and obligations which arise therefrom. Among the topics covered are: myth and ritual; shamanism and healing; magic, witchcraft and sorcery; divination; ancestor worship.

Exclusion: RLG212Y1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG213H1 - Reading Sacred Texts

Hours: 24L/12T

Surveys interpretative traditions related to sacred texts, focusing on reading strategies that range from the literal to the figurative with attention to rationales that transform literal textual meanings and copyists manipulations of texts. May focus on various religious traditions from year to year, targeting a single canonical tradition or comparative analysis. Students will gain insight into literalist, environmentalist, secularist and erotic approaches to texts. Prior exposure to the study of religion is not required; all readings will be in English.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG214H1 - Mythologies and Religion

Hours: 24L

Myths and legends are narrative means for humans to make sense of their environment, the organization of their societies, and their social practices. This course introduces the principal myths and mythological figures of a selection of mythic systems (Near Eastern, Celtic, Nordic, Slavic and Indigenous North American) as way of modelling the world. Such topics as creation, chaos and order, love and death, coming of age, the monstrous, and explanations of evil and misfortune, and the survival and the transformation of mythic and folkloric elements.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

RLG230H1 - Religion, Law and Society

Hours: 24L/12T

The course examines various issues, including: Canadian society and secularization; religious pluralism and legal pluralism; the role of religions in public contexts; land and property; marriage and women's rights; and the place of minority religious communities.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

RLG233H1 - Religion and Popular Culture

Hours: 36L

A course on the interactions, both positive and negative, between religion and popular culture. We look at different media (television, advertising, print) as they represent and engage with different religious traditions, identities, and controversies.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG235H1 - Religion, Gender, and Sexuality

Hours: 24L

Examination of gender as a category in the understanding of religious roles, symbols, rituals, deities, and social relations. Survey of varieties of concepts of gender in recent feminist thought, and application of these concepts to religious life and experience. Examples will be drawn from a variety of religious traditions and groups, contemporary and historical.

Prerequisite: See note above for general prerequisites

Exclusion: RLG314H5

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG239H1 - Special Topics

Hours: 24L

Some topic of central interest to students of religion, treated on a once-only basis. For details of this years offering, consult the Departments current undergraduate handbook.

Distribution Requirements: Humanities

MHB255H1 - Intermediate Modern Hebrew I

Hours: 36L/12T

Intensive study of written and spoken Hebrew.

Prerequisite: MHB156H1/ NML156H1 or permission of instructor

Exclusion: Grade 8 Hebrew (or Ulpan level 2 in Israel)/ NML255Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

MHB256H1 - Intermediate Modern Hebrew II

Hours: 36L/12T

Continued intensive study of written and spoken Hebrew.

Prerequisite: MHB255H1/ NML156H1 or permission of instructor

Exclusion: Grade 8 Hebrew (or Ulpan level 2 in Israel)/ NML255Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG260H1 - Introduction to Sanskrit I

Previous Course Number: RLG260Y1

Hours: 48L

The first semester of an introduction to Classical Sanskrit for beginners. Students build grammar and vocabulary, and begin to read texts in Sanskrit. Complete beginners are welcome. Two sections of the course will be offered: an on-campus class meeting and an online section via live webinar participation. The final exam will require attendance on the St. George campus, or in another authorized exam centre.

Exclusion: RLG260Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG241H1 - Early Christian Writings I

Hours: 24L/12T

An introduction to early Christian writings, including the 'New Testament,' examined within the historical context of the first two centuries. No familiarity with Christianity or the New Testament is expected.

Exclusion: RLG241H5; RLG341H5; HUMC14H3; RLG241Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG261H1 - Introduction to Tibetan I

Previous Course Number: RLG261Y1

Hours: 48L

An introduction to Classical Tibetan language for beginners. Development of basic grammar and vocabulary, with readings of simple texts. This is an online course. Lectures will be delivered via the web and mandatory tutorials will require live webinar participation. The final exam will require attendance on the St. George campus, or in another authorized exam centre.

Exclusion: RLG261Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG262H1 - Introduction to Tibetan II

Previous Course Number: RLG261Y1

Hours: 48L

The second semester of an introduction to Classical Tibetan language course for beginners. Continued work on grammar and vocabulary, advancing to reading texts. This is an online course. Lectures will be delivered via the web and mandatory tutorials will require live webinar participation. The final exam will require attendance on the St. George campus, or in another authorized exam centre.

Prerequisite: RLG261H1

Exclusion: RLG261Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG265H1 - Intermediate Pali

Hours: 24L/12T

This course offers an opportunity to students interested in Buddhism and with basic knowledge of Pali to read, analyze, and discuss select simple passages from the scriptures of the Theravada canon in their original language. It will cover philosophical, psychological, and narrative texts and their interpretation.

Prerequisite: RLG264H1 or equivalent capacity to read Pali texts in the original

Corequisite: None

Exclusion: None

Recommended Preparation: None

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG263H1 - Introduction to Sanskrit II

Previous Course Number: RLG260Y1

Hours: 48L

The second semester of an introduction to Classical Sanskrit for beginners. Students continue to build grammar and vocabulary, and use that knowledge to read texts in Sanskrit. Two sections of the course will be offered: an on-campus class meeting and an online section via live webinar participation. The final exam will require attendance on the St. George campus, or in another authorized exam centre.

Prerequisite: RLG260H1

Exclusion: RLG260Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG280Y1 - World Religions: A Comparative Study

Hours: 48L/24T

An alternative version of the content covered by [RLG100Y1](#), for students in second year or higher who cannot or do not wish to take a further 100-level course. Students attend the [RLG100Y1](#) lectures and tutorials but are expected to produce more substantial and more sophisticated written work, and are required to submit an extra written assignment.

Prerequisite: Completion of 5.5 full course equivalents

Exclusion: RLG100Y1/RLGA01H3/RLGA02H3

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3); Thought, Belief and Behaviour (2)

RLG264H1 - Elementary Pali

Hours: 36L

This course offers an opportunity to students interested in Buddhism to read, analyze, and discuss select simple passages from the scriptures of the Theravada canon in their original language. It will cover philosophical, psychological, and narrative texts and their interpretation, as well as provide a first exposure to the Pali Language.

Prerequisite: None

Corequisite: None

Exclusion: None

Recommended Preparation: None

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG290Y1 - Special Topics

Hours: 24S

Topics vary from year to year Please check Department handbook.

Distribution Requirements: Humanities

JNR301H1 - The History of Buddhist Meditation

Hours: 36L

This course will survey historical, cultural, and textual contexts for Buddhist meditative and contemplative practices and techniques.

Prerequisite: RLG206H1/ NEW232Y1/ NEW232H1

Corequisite: None

Exclusion: None

Recommended Preparation: None

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG302H1 - Dreams, Visions and the Invisible

Previous Course Number: RLG249H1

Hours: 24L

In many cultures, dreaming is understood to open pathways to unseen realities and worlds populated by spirit beings, souls of the dead, noetic powers and avenues to mystical union. Dreams include visions, daydreams, and dissociative, altered states of consciousness. This course examines contributions from a variety of disciplines such as psychoanalytic psychology, anthropology, biblical criticism, neuroscience, and paleo-archaeology to the study of religious experiences. Topics include how human beings negotiate the contents of their minds that result in social and political agreements that distinguish what is deemed as real, thereby constituting acceptable religious experience. The course will also discuss crisis apparitions, alien abduction accounts, spirit possession and existence of life after death as culturally specific religious narratives that seek to articulate and organize dreams and other visionary experiences.

Prerequisite: Completion of 4.0 credits

Exclusion: RLG249H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG301H1 - Religion on the Couch: Freud and Jung on Religion

Hours: 24L

Critical analysis of Freud's main writings on religion, with particular attention paid to the concepts unconscious, Oedipal trauma and its transmission, dreams, symbols, and unconscious communication. Comparisons with Jung include approaches to the unconscious, symbols and archetypes. Jung's theory of synchronicity and Freud's theory of thought-transference, and their implications for different understandings of the unconscious and archaic inheritance, along with their implications for Freud's and Jung's approach to religion will be explored.

Prerequisite: Completion of 4.0 credits

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG303H1 - Evil and Suffering

Hours: 24L

The existence of evil poses a problem to theistic beliefs and raises the question as to whether a belief in a deity is incompatible with the existence of evil and human (or other) suffering. This course examines the variety of ways in which religions have dealt with the existence of evil.

Prerequisite: Completion of 4.0 credits

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG304H1 - Language, Symbols, Self

Hours: 24L

Theories of the self that involve the constitutive role of language in its various forms. Problems of socially-conditioned worldviews and sense of self as related to discourse. Myth, symbol, metaphor, and literary arts as vehicles for personality development and self-transformation along religious lines.

Prerequisite: Completion of 4.0 credits

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG305H1 - Material Religion

Hours: 24L

Religions are constituted by material forms, including bodies, shrines, films, icons, and 'kitsch'. Anti-material impulses have also prompted many religious impulses, involving forms of iconoclasm that ironically demonstrate the power of objects. What is at stake in studying materiality? How might such a perspective transform our view of religion?

Prerequisite: Completion of 4.0 credits

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG308H1 - Religion and the City

Hours: 24L

The course focuses on the role of religion in the genesis and development of cities, as well as the ways urbanization and immigration have transformed religious organizations and identities. Various methodologies, including ethnography, social and cultural history, and textual analysis will be considered. In some years, course projects will focus on mapping the changing significance and presence of particular religions in Toronto. Check with the department for the next scheduled focus for this course.

Prerequisite: Completion of 4.0 credits

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

RLG306H1 - Anthropology of Christianity

Hours: 24L

This course focuses on current debates in the fast-developing field of the anthropology of Christianity. Topics possibly included: the past and present influence of Christianity on anthropological thinking; historical interactions between missionaries and anthropologists; emerging transnational, charismatic Christian networks; the 'Southernization' of Christianity; Christianity and competing ideas of 'the modern'.

Prerequisite: Completion of 4.0 credits

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RLG309H1 - Religion and Human Rights

Hours: 24L

The relationship and interaction between religious and ethical norms, social and political ideals, and systems of law. The course concerns the ongoing dialectic between religious and other values, the application of religious ideas to social orders, and questions of religious and human rights.

Prerequisite: Completion of 4.0 credits

Exclusion: RLG309H5, RLG309Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG307H1 - Museums and Material Religion

Hours: 24L

Museums have long collected and curated religious objects for public audiences, with missionaries as a primary collections source. Multiple visits to the Royal Ontario Museum and other museums will enable students to think critically about how museums received and presented these objects, while engaging with the challenges of museum curation.

Prerequisite: Completion of 4.0 credits

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG310H1 - Modern Atheism and the Critique of Religion: Hobbes to Kant

Hours: 24L

This course examines select modern thinkers and their critical approaches to the nature and significance of religious beliefs and practices. Hobbes, Spinoza, Hume, and Kant are among the major thinkers studied.

Prerequisite: Completion of 4.0 credits

Exclusion: RLG310Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG311H1 - Gender, Body and Sexuality in Asian Traditions

Previous Course Number: RLG236H1
Hours: 24L/12T

A study of women in the religious traditions of South and East Asia, including historical developments, topical issues, and contemporary womens movements.

Prerequisite: Completion of 4.0 credits
Exclusion: RLG236H1
Recommended Preparation: RLG235H1
Distribution Requirements: Humanities
Breadth Requirements: Society and its Institutions (3)

RLG314H1 - Pilgrimage as Idea and Practice

Previous Course Number: RLG215H1
Hours: 24L

The study of pilgrimage has become increasingly prominent in anthropology and religious studies in recent decades. Why should this be? This course provides some answers while engaging in a cross cultural survey and analysis of pilgrimage practices. We also explore whether research into pilgrimage has wider theoretical significance.

Prerequisite: Completion of 4.0 credits
Exclusion: RLG215H1
Distribution Requirements: Humanities
Breadth Requirements: Society and its Institutions (3)

RLG312H1 - Gender, Body and Sexuality in Islam

Hours: 24L

An introduction to the role of women in Muslim societies in past and present. Topics include the status of women in the Quran and Islamic law, veiling, social change, and Islamic feminism.

Prerequisite: Completion of 4.0 credits
Exclusion: RLG251H1
Recommended Preparation: RLG100Y1/ RLG200H1/ RLG204H1/ RLG204Y1/ NMC283Y1/RLG204H5/ RLG235H1
Distribution Requirements: Humanities
Breadth Requirements: Society and its Institutions (3)

RLG315H1 - Rites of Passage

Hours: 24L

Analysis of rituals of transition from one social status to another (e.g., childbirth, coming of age, marriage,) from theoretical, historical and ethnographic perspectives. Particular attention is paid to the importance of rites of passage in the construction of gendered identities.

Prerequisite: Completion of 4.0 credits
Distribution Requirements: Social Science
Breadth Requirements: Society and its Institutions (3)

RLG316H1 - Martyrs, Mystics, and Saints

Hours: 24L/12T

An examination of the variety of ways in which religious traditions construct sanctity, articulate categories of exceptionalism, and how exceptional persons function within social systems. Consideration of gender and social status in definitions of sanctity. Focus varies from year to year, and may focus either on constructions of sanctity in one religious tradition, or comparatively, comparing and contrasting ideas of sainthood and martyrdom in Christianity, Judaism, Islam, Hinduism and/or Buddhism.

Prerequisite: Completion of 4.0 credits
Distribution Requirements: Humanities
Breadth Requirements: Thought, Belief and Behaviour (2)

RLG313H1 - Gender, Sexuality and Religion in the West

Previous Course Number: RLG237H1
Hours: 24L/12T

This course is a comparative study of the significance of gender and sexuality within Judaism, Christianity, Islam, and new religious movements in Europe and the Americas. Topics may include historical, political, social, and legal contexts for changing approaches to gender and sexuality in these religions.

Prerequisite: Completion of 4.0 credits
Exclusion: RLG237H1
Recommended Preparation: RLG235H1
Distribution Requirements: Humanities
Breadth Requirements: Society and its Institutions (3)

RLG317H1 - Religious Violence and Nonviolence

Hours: 24L

Religious violence and nonviolence as they emerge in the tension between strict adherence to tradition and individual actions of charismatic figures. The place of violence and nonviolence in selected faith traditions.

Prerequisite: Completion of 4.0 credits

Exclusion: RLG317H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG320H1 - Judaism and Christianity in the Second Century

Hours: 24L

Judaism and Christianity in the period from 70 C.E. to 200 C.E. The course focuses on the relationship between the two religious groups, stressing the importance of the setting within the Roman Empire.

Prerequisite: Completion of 4.0 credits

Recommended Preparation: RLG241H1/ RLG241Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

RLG318H1 - Religion and Nature

Previous Course Number: RLG228H1

Hours: 24L

There is a complex relationship between nature, religion and the aesthetic expression of human spirituality. Religion and Nature will explore this relationship across a range of periods, from the antique to the contemporary. Our journeys, both philosophical and literary, will take participants through a range of biomes—desert, countryside, forest, mountains, tundra—and explore how these texts can help to redefine our place both in nature and as part of it.

Prerequisite: Completion of 4.0 credits

Exclusion: RLG228H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG322H1 - Early Christian Gospels

Hours: 24L

Literary, historical, and rhetorical analyses of selected early Christian gospels. The gospels to be treated will vary, but each year will include a selection from the four canonical gospels and extra-canonical gospels (the Gospel of Thomas, the Gospel of Philip, the Gospel of Peter, the Gospel of Truth, infancy gospels, and fragments of Jewish-Christian gospels).

Prerequisite: Completion of 4.0 credits

Recommended Preparation: RLG241H1/ RLG241Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG319H1 - Death, Dying and Afterlife

Previous Course Number: RLG229H1

Hours: 24L

This course introduces students to various religious approaches to death, the dead, and afterlife. Through considering different ways in which death has been thought about and dealt with, we will also explore different understandings of life and answers to what it means to be human.

Prerequisite: Completion of 4.0 credits

Exclusion: RLG229H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG323H1 - Jesus of Nazareth

Hours: 24L

An examination of the historical Jesus based on a critical study of the earliest accounts of Jesus, with intensive study of the Gospels to determine what can be said about Jesus activities and teachings.

Prerequisite: Completion of 4.0 credits

Exclusion: RLG323H5

Recommended Preparation: RLG241H1/ RLG241Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG324H1 - The Apostle Paul and His Enemies

Hours: 24L

An examination of Paul's life and thought as seen in the early Christian literature written by him (the seven undisputed letters), about him (the Acts of the Apostles, the Acts of Paul) and in his name (the six disputed NT letters).

Prerequisite: Completion of 4.0 credits

Exclusion: RLG324H5

Recommended Preparation: RLG241H1/ RLG241Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG334H1 - Religion, Space and Diaspora

Hours: 24L

This course explores the transformation of religion, space and practices in diasporic settings. How is space adapted to the sensibilities of diasporic subjects, and how are the ritual practices that take place in those spaces transformed? The course examines historical and contemporary examples of the impact of diasporas, exile, and immigration on spatial practices in synagogues, churches, mosques, and temples, and ritual transformations in diaspora.

Prerequisite: Completion of 4.0 credits

Recommended Preparation: RLG100Y1; RLG200H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

RLG326H1 - Roots of Early Christianity and Rabbinic Judaism

Hours: 24L

Analysis of selected documents of Second Temple Judaism in their historical contexts, as part of the generative matrix for both the early Jesus movement and the emergence of rabbinic Judaism.

Prerequisite: Completion of 4.0 credits including RLG202H1/ RLG202Y1/ RLG203H1/ RLG203Y1

Exclusion: RLG326H5

Recommended Preparation: RLG241H1/ RLG241Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

RLG336H1 - Monsters and Others in the Christian Middle Ages

Hours: 24L

A course looking at the theories about and responses to the monstrous in the European Christian Middle Ages.

Prerequisite: Completion of 4.0 credits

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG328H1 - The Politics of Belief in Early Christianity

Hours: 24L

This course examines historical processes, negotiations, and strategies involved in the consolidation of discourses and practices of orthodoxy and heresy in Christianity from the second through fifth centuries. Topics include: intellectual, therapeutic, and social models of orthodoxy; methods of discipline; historical events and contexts; the political and social contexts of theological conflict; and the gendered production of the orthodox subject.

Prerequisite: Completion of 4.0 credits

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

RLG337H1 - Witchcraft and Magic in Christian Tradition

Hours: 24L/12T

This course considers the history and theory of Western witchcraft, magic, and heresy in the mediaeval and early modern periods. Consideration of relevant anthropological theory, the relationship between constructions of witchcraft, the Enlightenment and the rise of science, and the role of gender in definitions of witchcraft.

Prerequisite: Completion of 4.0 credits

Recommended Preparation: RLG203H1/ RLG203Y1/RLG203H5

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

RLG339H1 - Religious Ethics: The Jewish Tradition

Previous Course Number: RLG221H1
Hours: 24L

A brief survey of the Jewish biblical and rabbinic traditions; the extension of these teachings and methods of interpretation into the modern period; common and divergent Jewish positions on pressing moral issues today.

Prerequisite: Completion of 4.0 credits
Exclusion: RLG221H1
Distribution Requirements: Humanities
Breadth Requirements: Thought, Belief and Behaviour (2)

RLG340H1 - Classical Jewish Theology

Hours: 24L

A study of four great figures during critical moments in Jewish history, each of whom represents a turning point: Jeremiah (biblical era), Rabbi Akiva (rabbinic era), Moses Maimonides (medieval era), Franz Rosenzweig (modern era). Belief in God; Torah as law, teaching, tradition, revelation, eternity of Israel, meaning of Jewish suffering, problem of radical evil, history and messianism.

Prerequisite: Completion of 4.0 credits
Exclusion: RLG340Y1
Distribution Requirements: Humanities
Breadth Requirements: Thought, Belief and Behaviour (2)

RLG341H1 - Dreaming of Zion: Exile and Return in Jewish Thought

Hours: 24L

An inquiry into the theme of exile and return in Judaism, often called the leading idea of Jewish religious consciousness. Starting from Egyptian slavery and the Babylonian exile, and culminating in the ideas of modern Zionism, the course will examine a cross-section of Jewish thinkers--ancient, medieval, and modern.

Prerequisite: Completion of 4.0 credits
Distribution Requirements: Humanities
Breadth Requirements: Thought, Belief and Behaviour (2)

RLG342H1 - Judaism in the Early Modern Era

Previous Course Number: RLG342Y1
Hours: 24L

The development and range of modern Jewish religious thought from Spinoza, Mendelssohn and Krochmal, to Cohen, Rosenzweig and Buber. Responses to the challenges of modernity and fundamental alternatives in modern Judaism.

Prerequisite: Completion of 4.0 credits
Exclusion: RLG342Y1
Distribution Requirements: Humanities
Breadth Requirements: Thought, Belief and Behaviour (2)

RLG343H1 - Kabbala: A History of Mystical Thought in Judaism

Hours: 24L

A historical study of the Kabbala and the mystical tradition in Judaism, with emphasis on the ideas of Jewish mystical thinkers and movements.

Prerequisite: Completion of 4.0 credits
Distribution Requirements: Humanities
Breadth Requirements: Thought, Belief and Behaviour (2)

RLG344H1 - Antisemitism

Hours: 24L

Explores how "Jews" have been viewed (often mistakenly and confusedly) in various contexts from pre-Christian antiquity to the contemporary world. Emphasis is on problems involved in defining and explaining antisemitism, especially concerning the difference between religious and racial forms of antisemitism.

Prerequisite: Completion of 4.0 credits
Distribution Requirements: Humanities
Breadth Requirements: Society and its Institutions (3)

RLG345H1 - Social Ecology and Judaism

Hours: 24L

The environment and human society studied as systems of organization built for self-preservation. Such topics as vegetarianism and the humane treatment of animals, suicide and euthanasia, sustainability and recycling, explored from the perspective of Judaism.

Prerequisite: Completion of 4.0 credits
Distribution Requirements: Humanities
Breadth Requirements: Society and its Institutions (3)

RLG346H1 - Time and Place in Judaism

Hours: 24L

The meaning of holy time and holy place, the physics and metaphysics of time and space within Judaism. Topics include the garden of Eden, the temple, the netherworld, the land of Israel, and exile; the sabbath and the week; the human experience of aging as fulfillment and failing.

Prerequisite: Completion of 4.0 credits

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG350H1 - The Life of Muhammad

Hours: 24L

This course examines Muhammad's life as reflected in the biographies and historical writings of the Muslims. Students will be introduced to the critical methods used by scholars to investigate Muhammad's life. Issues include: relationship between Muhammad's life and Quran teachings and the veneration of Muhammad.

Prerequisite: Completion of 4.0 credits

Recommended Preparation: RLG204H1/RLG204H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG347H1 - Judaism in the Late Modern Era

Hours: 24L

Continuing from, but not presupposing, "Judaism in the Early Modern Era," the course will trace the late modern stages in the development of Jewish thought, and will bring the history of modern Jewish thought to the present.

Prerequisite: Completion of 4.0 credits

Recommended Preparation: RLG342H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG351H1 - The Quran: An Introduction

Hours: 24L

The revelatory process and the textual formation of the Quran, its pre-eminent orality and its principal themes and linguistic forms; the classical exegetical tradition and some contemporary approaches to its interpretation.

Prerequisite: Completion of 4.0 credits

Exclusion: NMC285H1, NMC285Y1, NMC286H1

Recommended Preparation: RLG204H1/RLG204H5

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG348H1 - Philosophical Responses to the Holocaust

Previous Course Number: RLG220H1

Hours: 24L

This course deals with how the momentous experience of the Holocaust, the systematic state-sponsored murder of six million Jews as well as many others, has forced thinkers, both religious and secular, to rethink the human condition.

Prerequisite: Completion of 4.0 credits

Exclusion: RLG220H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG352H1 - Post-Colonial Islam

Hours: 24L

This course will study Islam in a post-colonial framework. It will introduce students to the work of post-colonial studies, and how critical scholarship has transformed our understanding of monolithic concepts such as modernity, the nation and Islam. It will focus on the particular case of Islam in South Asia and the Middle East by exposing students to the transformative impact of colonialism. It will equip students with the tools to challenge the hegemonic notion of a singular 'tradition' in Islam by tracing its lineages in the post-colony.

Prerequisite: Completion of 4.0 credits

Exclusion: NMC381Y1, RLG250H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

RLG349H1 - Special Topics in Judaism

Hours: 24S

Topics in Judaism. Themes vary from year to year.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG353H1 - The Politics of Charity

Previous Course Number: RLG250H1

Hours: 24L

The course examines religious charitable giving, philanthropic foundations, and humanitarian aid and asks: Is charitable giving altruistic or is it always partly self-interested? Could aid perpetuate poverty? What kinds of "strings" come with receiving aid and is there such thing like a free gift?

Prerequisite: Completion of 4.0 credits

Exclusion: RLG250H1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG356H1 - Islam in China

Hours: 24S

Despite having an estimated Muslim population of 20 million, the place of Islam within the Peoples Republic of China is not widely understood. This course will examine the history of Islam in China from its introduction in the seventh century through the modern period. Emphasis will be placed on the variety of practices within Chinas contemporary Muslim communities. Specific attention will be paid to official state policy toward the Hui and Uyghur ethnic minorities, including laws governing pilgrimage, the veil, the formation of Islamic organizations, the reformation of writing systems and so on.

Prerequisite: Completion of 4.0 credits

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

MHB355H1 - Advanced Modern Hebrew I

Hours: 36L/12T

Advanced intensive study of written and spoken Hebrew.

Prerequisite: MHB256H1/ NML255Y1 or permission of instructor

Exclusion: OAC Hebrew/ NML355Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG358H1 - Special Topics in Hinduism

Hours: 24L

Topics in Hinduism. Themes vary from year to year.

Prerequisite: Completion of 4.0 credits

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG355H1 - Living Islam

Hours: 24S

What is Islam beyond news stories of veiling and terrorism? This course introduces student to studies of contemporary Islam that are based on extensive periods of research with Muslim communities in their own languages using anthropological methods. What do such studies teach us about the varied ways Muslims engage their religious tradition in the modern world? And how can such studies make us think differently about gender, economy, medicine, and secularism?

Prerequisite: Completion of 4.0 credits

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG359H1 - Intermediate Sanskrit I

Hours: 24L

Review of grammar and the development of vocabulary with a focus on reading simple narrative prose and verse.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG360H1 - Intermediate Sanskrit II

Hours: 24S

Review of grammar and the further development of vocabulary with a focus on reading simple narrative prose and verse.

Prerequisite: RLG359H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

MHB356H1 - Advanced Modern Hebrew II

Hours: 37L/12T

Continued advanced intensive study of written and spoken Hebrew.

Prerequisite: MHB355H1 or permission of instruc

Exclusion: OAC Hebrew/ NML355Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG361H1 - Literatures of Hinduism

Hours: 24L

A study of the literatures of Hinduism in India and the diaspora, including issues of identity formation, nostalgic constructions of the "homeland", fictional representations, and the quest for authenticity.

Prerequisite: Completion of 4.0 credits

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG364H1 - Hinduism and Contemporary Media

Hours: 24L

A historically-informed look at Hinduism's engagement with contemporary media: books, television, film, and cyberspace.

Prerequisite: RLG205Y; see note above for general prerequisites

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG362H1 - Rama of Ayodhya: From Literature to Politics

Hours: 24L

A study of the figure of Rama, from his genesis in the Valmiki Ramayana, to his historical evolution as a cultural and political icon through mediaeval and modern India.

Prerequisite: Completion of 4.0 credits

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG365H1 - Modern Hinduism

Hours: 24L

The development of modern Hindu religious thought in the contexts of colonialism, dialogue with the West and the secular Indian state.

Prerequisite: RLG100Y1/ RLG205Y1/ RLG280Y1; see note above for general Prerequisites

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

RLG363H1 - Bhakti Hinduism

Hours: 24L

A study of Hindu bhakti traditions through classical and vernacular texts, in conversation with colonial and post-colonial theoretical perspectives on the notion of "bhakti" in Hinduism.

Prerequisite: Completion of 4.0 credits

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

RLG366H1 - Hindu Philosophy

Hours: 24L

A study of different schools, texts, and issues of Hindu philosophy.

Prerequisite: RLG100Y1/ RLG205Y1/ RLG280Y1/ ;See note above for general Prerequisites

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

JPR364Y1 - Religion and Politics

Hours: 48L

This course examines the evolving role of religions in contemporary public, political contexts. Themes include: democracy and secularism; religion, human rights, law and justice; party politics, identity-formation and citizenship; gender and sexuality; interreligious conflict. (*Given by the Departments of Political Science and Religion*)

Prerequisite: 1.0 POL credit/1.5 full course equivalents in Religious Studies

Exclusion: RLG230H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3); Thought, Belief and Behaviour (2)

RLG368H1 - Hindu Ways of Living

Hours: 24L

The course surveys the textual sources of the practices of Yoga, Ayurveda and Hindu traditions such as domestic rituals, rites of passage and community centered religious activity. It critically evaluates the assumption of an unbroken continuity of tradition of these practices from antiquity onwards and comes to consider what they have come to constitute as a result of modernity and globalization.

Prerequisite: Completion of 4.0 credits

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG369H1 - The Mahabharata**Hours:** 24L

A study of the great Sanskrit epic, the Mahabharata.

Prerequisite: Completion of 4.0 credits

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG373H1 - Buddhist Ritual**Hours:** 24L

Daily worship, the alms round, life-crisis celebrations, healing rituals, meditation, festivals, pilgrimage, the consecration of artefacts and taking care of the ancestors are among the forms of Buddhist ritual introduced and analyzed in this course. Liturgical manuals, ethnographic descriptions and audiovisual records form the basis for a discussion of the role of ritual as text and event.

Prerequisite: See note above for general prerequisites

Recommended Preparation: RLG206Y1/RLG206H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG370Y1 - Intermediate Tibetan**Hours:** 48L

Intermediate level language course focusing on both spoken and literary forms of Tibetan.

Prerequisite: The equivalent of one year of Tibetan language training.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

JPR374H1 - Religion and Power in the Postcolony**Hours:** 24L

This course examines the role of a variety of religious forms and spiritual practices in the politics of postcolonial societies, tracing their genealogies from the colonial period to the present. Cases taken principally from Africa and Asia. (*Given by the Departments of Political Science and Religion*)

Prerequisite: 1.0 POL 200-level credit/1.5 full course equivalents in Religious Studies

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RLG371H1 - Interdependence**Hours:** 24L/12P

An exploration of the Buddhist concept of interdependence, or interdependent origination, from doctrinal and contemplative perspectives, as presented in classic Buddhist texts and as used in contemporary environmental and activist movements globally.

Prerequisite: Completion of 4.0 credits

Recommended Preparation: RLG206H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG374H1 - Buddhist Life Stories**Hours:** 24L

This course explores the genres of autobiography and biography in Buddhist literature. The course will begin with theoretical studies on narrative and religious life-writing. We will then consider the development and distinctive features of auto/biographies and hagiographies in the literature of one or more Buddhist cultures, analyzing representative examples of these genres from a range of traditions and historical periods, and considering how these sources have been understood and used in secondary scholarship.

Prerequisite: Completion of 4.0 credits

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG372H1 - Engaging Tibet**Hours:** 24L

A course in Tibetan Studies, with a different focus each year. Topics may include Tibetan Buddhist literature, Tibetan Buddhism and medicine, Tibet as a historical entity, the Tibetan diaspora, geographic perceptions of Tibet, or foreign representations of Tibet and Tibetan Buddhism.

Prerequisite: Completion of 4.0 credits

Recommended Preparation: RLG206H1/RLG206H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG376H1 - Buddhism in South and Southeast Asia

Hours: 24L

The course serves as an introduction to one or more Buddhist traditions still living or historically documented in South and Southeast Asia, ranging from ancient and medieval Buddhism to Buddhist modernities and including Buddhism in its local Theravada variants. Themes will vary by year; consult the departmental website for this year's course description.

Prerequisite: Completion of 4.0 credits

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG382H1 - The Taking of Human Life

Hours: 24S

Frequently today in discussions in bioethics dealing with life and death, even secular thinkers invoke the concept of the sanctity of human life. Yet that concept is clearly religious in origin. What do the three great monotheistic traditions have to say about this concept and its ethical significance?

Prerequisite: Completion of 4.0 credits

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG383H1 - Interpretation and Dialogue

Hours: 24L

Can we understand the beliefs and behaviors of people whose religious and cultural outlooks differ radically from our own? Do we always impose our preconceptions on them? Or are there cognitive, imaginative, and emotional resources that enable us to see people on their own terms? These questions, which beset the practices of anthropologists and historians of religions, are central to the philosophy of the human sciences. This course explores the theoretical issues involved in interpretation and dialogue across cultural and historical divides by reading seminal texts by Dilthey, Collingwood, Heidegger, Quine, Davidson, Winch, MacIntyre, Benedict, Geertz, and Rorty.

Prerequisite: Completion of 4.0 credits

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG378H1 - Buddhist Borderlands

Hours: 24L

This course will examine the diversity of Buddhist traditions in the Himalayan region, covering texts, rituals, histories, and personalities relevant to their study, and the methods employed in the field.

Prerequisite: Completion of 4.0 credits

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG379H1 - Religions of the Silk Road

Previous Course Number: RLG245H1

Hours: 24L

An historical introduction to the religious traditions that flourished along the Silk Road, including Zoroastrianism, Manichaeism, Nestorian Christianity, Judaism, Buddhism and Islam. Drawing on a variety of sources (textual, archaeological, works of art), the course will focus on the spread and development of these traditions through the medieval period. Issues include cross-cultural exchange, religious syncretism, ethnic identity formation and so on. Emphasis will also be placed on religious and political events in modern Central Asia.

Prerequisite: Completion of 4.0 credits

Exclusion: RLG245H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG384H1 - Pluralism and Toleration

Hours: 24L

This course traces the development of philosophical arguments in favor of toleration or pluralism that emerged first in response to bitter religious conflicts and then out of a growing recognition of the potential benefits of the normative diversity characteristic of modern societies. Typical philosophers to be studied are Bodin, Spinoza, Locke, Bayle, Lessing, Herder, and Mill.

Prerequisite: Completion of 4.0 credits

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

RLG385H1 - Becoming Modern

Hours: 24L

What does it mean to be modern? Words like "modern," "modernity," and "modernism" are used to mark a fundamental boundary between our era and all that came before it (or lies outside of it); but most of us are hard-pressed to offer a solid account of what exactly this boundary is. This course examines the relationship between: a fundamental shift in the nature of daily experience; an order-of-magnitude expansion of the power of the State; a dramatic reorganization of religious experience and cultures; and a tremendous growth in the enterprise of Western science and technological production. We trace this reorientation over the last two centuries and examine its consequences using philosophical, literary, theological, and scientific sources, as well as recent scholarly work on the topic.

Prerequisite: Completion of 4.0 credits
Recommended Preparation: RLG231H1/ RLG387H1
Distribution Requirements: Humanities
Breadth Requirements: Society and its Institutions (3)

RLG387H1 - Religion and Science

Previous Course Number: RLG231H1
Hours: 24L

Course explores issues at the intersection of religion and science which may include such topics as evolution and the assessment of its religious significance by different traditions, conceptions of God held by scientists (theism, pantheism, panentheism), ethical issues raised by scientific or technological developments (cloning or embryonic stem cell research), philosophical analysis of religious and scientific discourses.

Prerequisite: Completion of 4.0 credits
Exclusion: RLG231H1
Distribution Requirements: Humanities
Breadth Requirements: Thought, Belief and Behaviour (2)

RLG388H1 - Special Topics I

Hours: 24L

Special Topics.

Distribution Requirements: Humanities

RLG389H1 - Special Topics II

Hours: 24L

Special Topics

Distribution Requirements: Humanities

RLG390H1 - Religion and Film

Previous Course Number: RLG232H1
Hours: 24L

The role of film as a mediator of thought and experience concerning religious worldviews. The ways in which movies relate to humanity's quest to understand itself and its place in the universe are considered in this regard, along with the challenge which modernity presents to this task. Of central concern is the capacity of film to address religious issues through visual symbolic forms.

Prerequisite: Completion of 4.0 credits
Exclusion: RLG232H1, RLG332H5
Distribution Requirements: Humanities
Breadth Requirements: Creative and Cultural Representations (1)

RLG391H1 - Modern Atheism and Critique of Religion: Hegel to Nietzsche

Hours: 24L/0T/0P/0S

Examines select modern thinkers and their critical approaches to the nature and significance of religious beliefs and practices. Hegel, Feuerbach, Marx, and Nietzsche are among the major thinkers studied.

Prerequisite: Completion of 4.0 credits
Exclusion: RLG310Y1
Distribution Requirements: Humanities
Breadth Requirements: Thought, Belief and Behaviour (2)

RLG392H1 - The European Enlightenment and Religion

Hours: 24L

This course explores some of the major thinkers of the European Enlightenment and their philosophical inquiries into the meaning and significance of religion as a set of cultural institutions. Special attention is paid to the analysis of religious concepts and institutions along epistemological, ethical, and political lines.

Prerequisite: Completion of 4.0 credits
Distribution Requirements: Humanities
Breadth Requirements: Thought, Belief and Behaviour (2)

RLG393H1 - Graphic Religion: Myth and the Spiritual in Graphic Novels

Previous Course Number: RLG234H1

Hours: 24L

Survey of themes connecting religious ideas, symbols, and representations with graphic novels and sequential art. The course will explore techniques of story-telling in mythic and visual representations in religious traditions and explore how these techniques and images are mirrored within popular comic-style (sequential) art.

Prerequisite: Completion of 4.0 credits

Exclusion: RLG234H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG394H1 - Religion in the Game of Thrones

Hours: 24L

Religion weaves complex social logics and social rationales imbedded in all levels of culture. This course explores multiple questions of religion as a cultural element, both visible and invisible. Theories of religion as well as questions of gender, authority, and power will be examined. The course culminates in a student project oriented toward an academically oriented "Handbook" for the study of religion in the Game of Thrones.

Prerequisite: Completion of 4.0 credits

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG395H1 - Special Topics III

Hours: 24L

Special Topics

Distribution Requirements: Humanities

RLG396H1 - Special Topics IV

Hours: 24L

Special Topics

Distribution Requirements: Humanities

RLG397H1 - Readings in Early Sikh Texts

Hours: 24L

This class is an introduction to early Sikh texts in their original language and in translation. In addition to learning the grammar of what Christopher Shackle has called 'the sacred language of the Sikhs' and acquiring translation skills, students will be expected to demonstrate their ability to analyze and interpret texts in relation to their contexts of production.

Prerequisite: Completion of 4.0 credits

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG398H0 - Research Excursions

Hours: TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

RLG398Y0 - Research Excursions

Hours: TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

RLG399Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

RLG400Y1 - Independent Studies Abroad**Hours:** TBA

Intensive programs of study including site visits and lectures in areas of religious significance abroad. Preparatory work expected, together with paper or assignments upon return.(Y1 course: 4 weeks minimum; H course: 2 weeks minimum)

Not eligible for CR/NCR option.

Distribution Requirements: Humanities**RLG401H1 - Independent Studies Abroad****Hours:** TBA

Intensive programs of study including site visits and lectures in areas of religious significance abroad. Preparatory work expected, together with paper or assignments upon return.(Y1 course: 4 weeks minimum; H course: 2 weeks minimum)

Not eligible for CR/NCR option.

Distribution Requirements: Humanities**RLG402H1 - Independent Studies Abroad****Hours:** TBA

Intensive programs of study including site visits and lectures in areas of religious significance abroad. Preparatory work expected, together with paper or assignments upon return.(Y1 course: 4 weeks minimum; H course: 2 weeks minimum)

Not eligible for CR/NCR option.

Distribution Requirements: Humanities**RLG404H1 - Departmental Capstone-Research****Hours:** 24S

An integrative capstone seminar that emphasizes iterative development of a research project, locating a research specialization within its broader disciplinary audience, and communicating the process and results of a research project to non-specialists within the study of religion. Open to Religion Specialists and Majors only.

Prerequisite: open to 4th year Religion Specialists and Majors**Distribution Requirements:** Humanities**RLG405H1 - Departmental Capstone-Practical****Hours:** 24S

A capstone seminar that emphasizes integration of the study of religion with contemporary public life in the development of a research project, locating a research specialization in relation to non-academic contexts, and communicating the process and results of a research project to non-academic audiences.

Prerequisite: open to 4th year Religion Specialists and Majors**Distribution Requirements:** Humanities**RLG406H1 - Constructing Religion****Hours:** 24S

How have different researchers constructed 'religion' as their object of study, and are some frameworks simply incompatible with each other? We discuss – but also provide critical assessments of -- different theoretical and methodological frameworks.

Prerequisite: open to 4th year Religion Specialists and Majors**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**RLG410Y1 - Advanced Topics in Religion****Hours:** 24S

Advanced Topics in Religion

Distribution Requirements: Humanities**RLG411H1 - Advanced Topics in Religion****Hours:** 24S

Advanced Topics in Religion

Distribution Requirements: Humanities**RLG412H1 - Advanced Topics in Religion****Hours:** 24S

Advanced Topics in Religion

Distribution Requirements: Humanities

RLG414H1 - Comparing Religions

Hours: 24S

Few methods have been more foundational to the scholarly study of religion, or more subject to searching criticism, than the practice of comparison. This seminar offers an advanced introduction to comparative method through close study of 4-6 recent works, from ritual studies, philosophy of religion, comparative theology and/or ethnography.

Prerequisite: Permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

JPR419H1 - Secularism and Religion

Previous Course Number: RLG419H1

Hours: 24S

Themes considered include what notion of religion is necessary for secular governance, and how secularity relates to particular discourses of citizenship and practices of political rule. Case studies include the effects of colonial rule on religious life; Jewish emancipation in Europe; and religious freedom in France and North America. (*Given by the Departments of Political Science and Religion*)

Registration in this course is through the Department of Religion.

Prerequisite: 2.0 200-level (or above) credits in Political Science or Study of Religion/permission of the instructor

Exclusion: RLG419H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

RLG416H1 - Topics in Religion and Gender

Hours: 24S

Advanced study in specialized topics focusing on the intersection of religion and gender.

Prerequisite: Permission of instructor

Distribution Requirements: Humanities

RLG417H1 - Radical Evil

Hours: 24S

Interrogation of the concept of 'radical evil' from perspectives of philosophy, critical theory, psychoanalysis and the study of religion.

Prerequisite: Permission of instructor

Corequisite: None

Exclusion: None

Recommended Preparation: None

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG420H1 - Religion and Philosophy in the European Enlightenment

Hours: 24S

An advanced study of selected Enlightenment thinkers with a focus on their interpretations of religion. The main thinkers discussed are Spinoza, Hume, and Kant. Issues include the rational critique of traditional religion, the relations among religion, ethics and politics, and the pursuit of universal approaches to religion.

Prerequisite: Permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG418H1 - Advanced Topics in the Philosophical Study of Religion

Hours: 24S

A seminar that explores a topic in the philosophical study of religion. Possible topics include: the nature of religious truth; the phenomenology of religion; descriptions of the holy; religion and the meaning of life; God-talk as literal or metaphorical language; naturalizing religious belief.

Prerequisite: RLG209H1; Permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG421H1 - The Psychoanalytic Study of Religion

Hours: 24S

Advanced study of key figures past and present in the psychoanalytic study of religion, including Freud and other psychoanalytic interpreters from both Anglo-American and European traditions. Crucial distinctions between psychology of religion and the psychoanalytic study of religion. Permission of instructor.

Prerequisite: Permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG422H1 - Kant's Theory of Religion**Hours:** 24L/12S

An advanced study of Immanuel Kant's theory of religion, as developed in major writings such as Critique of Practical Reason and Religion within the Boundaries of Mere Reason. Emphasizes rational ethical criteria as the basis for analyzing the doctrines, symbols, and institutions of historical religions.

Prerequisite: Permission of instructor**Recommended Preparation:** RLG310Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**RLG428H1 - Religion and Economy****Hours:** 24L

This course introduces students to classical and contemporary social scientific work on the relation between religion and economy. It draws on classics such as Marx, Weber, and Mauss, as well as recent anthropological work. Topics may include sacrifice, the gift, commodity fetishism, prosperity gospel, neoliberalism, charity, and development.

Prerequisite: Permission of instructor**Recommended Preparation:** RLG212H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**RLG425H1 - Hermeneutics and Religion****Hours:** 24S

A study of how principles of textual interpretation and theories of language have been central to modern philosophy of religion. We begin with Schleiermacher, and then move to an in-depth treatment of the 20th century hermeneutical theories of Heidegger, Gadamer, and Ricoeur.

Prerequisite: Permission of instructor**Recommended Preparation:** RLG310Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**RLG430H1 - Advanced Topics in Judaism****Hours:** 24S

Advanced Topics in Judaism

Prerequisite: Permission of instructor**Distribution Requirements:** Humanities**RLG426H1 - Religion in the Public Sphere
Service-Learning Internship****Hours:** 24S

For upper-year students, from any discipline. In a 40-hour community service placement, discover first-hand religion's significance in Toronto and examine how religion manifests in public spaces, institutions, and interactions, while critically reflecting on the experience of working with professionals and their "clients" in settings where religious diversity is at play.

Prerequisite: RPS coordinator's permission required for admission to course**Distribution Requirements:** Humanities**RLG431H1 - Advanced Topics in Judaism****Hours:** 24S

Advanced Topics in Judaism

Prerequisite: Permission of the instructor**Distribution Requirements:** Humanities**RLG432Y1 - Advanced Topics in Judaism****Hours:** 48S

Advance Topics in Judaism

Prerequisite: Permission of instructor**Distribution Requirements:** Humanities

RLG433H1 - Maimonides and His Modern Interpreters

Hours: 24S

An introduction to The Guide of the Perplexed by Moses Maimonides, and to some of the basic themes in Jewish philosophical theology and religion. Among topics to be considered through close textual study of the Guide: divine attributes; biblical interpretation; creation versus eternity; prophecy; providence, theodicy, and evil; wisdom and human perfection. Also to be examined are leading modern interpreters of Maimonides.

Prerequisite: Permission of instructor

Exclusion: POL421H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG437H1 - Constructions of Authority in Early Christianity

Hours: 24L/12T

This course examines changing patterns of authority and hierarchy in early Christian communities. Students will explore various roles and offices of authority in canonical and extra-canonical texts in relation to cultural, political, and theological constructions of body, gender, holiness, and orthodoxy as these contribute to developing models of authority. The goal of the course is to familiarize students with the constellation of ideas that participate in developing Christian notions of religious authority.

Prerequisite: Permission of instructor

Recommended Preparation: RLG203Y1/RLG203H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG434H1 - Modern Jewish Thought

Hours: 24S

Close study of major themes, texts, and thinkers in modern Jewish thought. Focus put on the historical development of modern Judaism, with special emphasis on the Jewish religious and philosophical responses to the challenges of modernity. Among modern Jewish thinkers to be considered: Spinoza, Cohen, Rosenzweig, Buber, Scholem, Strauss, and Fackenheim.

Prerequisite: Permission of Instructor

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG441H1 - Words and Worship in Christian Cultures

Hours: 24S

How are we to analyze the words that Christians use? And how are such words related to ritual forms? We explore techniques for the analysis of texts, while looking at forms of verbal discourse ranging from prayers, speaking in tongues, and citing the Bible to more informal narratives.

Prerequisite: ANT356H1/ RLG212Y1 and permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG435H1 - The Thought of Leo Strauss

Hours: 24S

The philosophic thought of Leo Strauss approached through his writings on modern Judaism. Primarily addressed will be the mutual relations between philosophy, theology, and politics. Among other topics to be dealt with: origins of modern Judaism, Zionism, liberal democracy, and biblical criticism; meaning of Jerusalem and Athens; cognitive value in the Hebrew Bible.

Prerequisite: Permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG443H1 - Genealogies of Christianity

Hours: 24S

How do disciplinary commitments shape theoretical and historical accounts of Christianity's relationship to "modernity"? Through comparative analysis (including topics of science, colonialism, capitalism, and gender) students will develop an historically-grounded critique of the key terms: genealogy, Christianity, and modernity. Based on reading and seminar discussion, the course encourages interdisciplinary exchange.

Prerequisite: 3.0 FCEs in Religion or cognate courses; permission of the instructor

Recommended Preparation: Religion, history, anthropology, literature courses; writing intensive courses

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG447H1 - Magic and Miracle in Early Christianity

Hours: 24L

Magic, religion, astrology, alchemy, theurgy, miracle, divination all of these phenomena characterize the context and practice of ancient Christianity. This course examines the constitution of these categories, the role and character of these phenomena in the Graeco-Roman world, and the interaction with and integration of these phenomena by ancient Christianity.

Prerequisite: RLG241Y1;

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG448H1 - Pseudepigraphy in Ancient Mediterranean Religion

Hours: 24S

A seminar examining the phenomenon of falsely claimed and/or attributed authorship in religions of the ancient Mediterranean, mainly Christianity and Judaism. The course examines understandings of authorship and other cultural forms that facilitate or inhibit ancient pseudepigraphy, ancient controversies over authorship, as well as specific pseudepigraphical writings.

Prerequisite: Two half FCEs numbered RLG32*; permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG449H1 - The Synoptic Problem

Hours: 24S

Investigation of the history of solutions to the Synoptic Problem from the eighteenth century to the present paying special attention to the revival of the Griesbach hypothesis and recent advances in the Two-Document hypothesis.

Prerequisite: RLG241Y1 or RLG241H1, and at least one of RLG320H1/ RLG321H1/ RLG322H1/ RLG323H1/ RLG324H1/ RLG325H1/ RLG326H1, and permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG451H1 - The Parables of Jesus

Hours: 24S

Examination of the parables in the gospels and other early Christian writers, and major trends in the modern analyses of the parables. Special attention will be paid to the social and economic world presupposed by the parables.

Prerequisite: RLG241Y1 or RLG241H1, and at least one of RLG320H1/ RLG321H1/ RLG322H1/ RLG323H1/ RLG324H1/ RLG325H1/ RLG326H1, and permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG452H1 - The Death of Jesus

Hours: 24S

Examination of the accounts of the passion and death of Jesus in their original historical and literary contexts.

Prerequisite: RLG241Y1 or RLG241H1, and at least one of RLG320H1/ RLG321H1/ RLG322H1/ RLG323H1/ RLG324H1/ RLG325H1/ RLG326H1, and permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG453H1 - Christianity and Judaism in Colonial Context

Hours: 24S

Sets the study of early Christianity and Second Temple Judaism into relation with postcolonial historiography. Topics include hybridity, armed resistance, the intersection of gender and colonization, diaspora, acculturation, and the production of subaltern forms of knowledge. Comparative material and theories of comparison are also treated.

Prerequisite: Permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

RLG454H1 - Social History of the Jesus Movement

Hours: 24S

The social setting of the early Jesus movement in Roman Palestine and the cities of the Eastern Empire. Topics will include: rank and legal status; patronalia and clientalia; marriage and divorce; forms of association outside the family; slavery and manumission; loyalty to the empire and forms of resistance.

Prerequisite: RLG241Y1 or RLG241H1, and at least one of RLG320H1/ RLG321H1/ RLG322H1/ RLG323H1/ RLG324H1/ RLG325H1/ RLG326H1, and permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

RLG455H1 - Heresy and Deviance in Early Christianity

Hours: 24S

A study of the construction of deviance or heresy within the literature of first and second century Christianity: tasks include a survey of sociological theory in its application to deviance in the ancient world and close readings of selected texts from first and second century Christian and pre-Christian communities.

Prerequisite: RLG241Y1 or RLG241H1, and at least one of RLG320H1/ RLG321H1/ RLG322H1/ RLG323H1/ RLG324H1/ RLG325H1/ RLG326H1, and permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

RLG458H1 - Advanced Topics in Islam

Hours: 24S

Advanced study of specialized topics in Islam.

Prerequisite: Permission of the instructor

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

JPR459H1 - Fanaticism: A Political History

Hours: 24S

This seminar in theory will explore the modern history of the concept of 'fanaticism' and its role in the development of political modernity. A focus on the concept of the "fanatic" (and its cognates) from the perspective of its various uses in political and religious thought from the Early Modern period through the Enlightenment and up to the present day, provides a fascinating opportunity for a critical review of the secular, rationalist, and scientific assumptions underwriting modern political forms and concepts, especially those of liberal democracy. At the same time, the course will offer critical insight into the ways in which religious and political differences among colonial "others" were, and continue to be, central to the elaboration of Western theoretical discourse on fanaticism and extremism as forms of "political pathology". (*Given by the Departments of Political Science and Religion*)

Prerequisite: (2 FCEs in Political Theory and/or Philosophy including 1.0 FCE at the 300 level) or (0.5 FCE in Method and Theory in the Study of Religion and 1 FCE at the 300 level in the Study of Religion)

Distribution Requirements: Social Science; Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

JPR458H1 - Postsecular Political Thought: Religion, Radicalism and the Limits of Liberalism

Hours: 24S

The course will examine debates on postsecularism and religion's public, political role as articulated by political thinkers such as Jürgen Habermas, by focusing on politically radical or revolutionary challenges to liberalism in the 20th and 21st century, especially from the postcolonial world, whose theoretical arguments are grounded upon or draw their inspiration from religious traditions, doctrines and practices.

Prerequisite: A 3rd year course in Political Science and/or Study of Religion

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG460H1 - Ramayana in Literature, Theology, and Political Imagination

Hours: 24S

This course explores how this conception is the result of a historical process by examining documentable transformations in the reception of the Ramayana. Our focus will be on the shift in the classification of the Ramayana from the inaugural work of Sanskrit literary culture (adi-kavya) in Sanskrit aesthetics to a work of tradition (smṛti) in theological commentaries, the differences between the Ramayanas ideal of divine kingship and medieval theistic approaches to Ramas identification with Visnu, the rise of Rama worship, and the use of Ramas divinity in contemporary political discourse.

Prerequisite: Permission of instructor

Recommended Preparation: RLG205Y1/ RLG205H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG461H1 - Ismaili History and Thought: The Persian Tradition

Hours: 24S

Critical reading, analysis and interpretation of Ismaili historical and doctrinal works of the Persianate tradition as developed by authors such as Nasir-i Khusraw, Nasir al-Din Tusi, Nizari Quhistani and others. The primary authors studied will change yearly.

Prerequisite: Permission of Instructor

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG464H1 - History and Historiography of Buddhism

Hours: 24S

This course examines histories of Buddhism authored inside and outside Asia, considering how various models of historiography affect our knowledge of Buddhism and Buddhist cultures. Readings will include translations of indigenous Buddhist histories, recent histories of Buddhism that have shaped the field of Buddhist Studies, and theoretical studies of historiography.

Prerequisite: Permission of Instructor

Recommended Preparation: RLG206Y1/RLG206H5

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

RLG462H1 - Newar Religion

Hours: 24L/24T

An academic legend recounts that if you ask a Newar whether he is Hindu or Buddhist the answer is yes. The course deals with the problem of how to study religions which coexist and compete with each other creating shifting coordinates of religious identification from the perspective of one specific Nepalese community.

Prerequisite: Permission of Instructor

Recommended Preparation: RLG205Y1/ RLG206Y1/
RLG205H5/RLG206H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG465H1 - Readings in Buddhist Texts

Hours: 24S

An advanced study of select Buddhist texts with a focus on issues of translation, interpretation, commentarial approaches, narrative strategies, as well as issues related to the production, circulation, and consumption of these works. Themes and texts will vary by year; consult the departmental website for this year's course description.

Prerequisite: Reading knowledge of Sanskrit/Pali/Tibetan or Chinese; permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG463H1 - Tibetan Buddhism

Hours: 24S

Close study of major themes, texts, and thinkers in Tibetan Buddhism. Themes and texts will vary by year; consult the departmental website for this year's course description.

Prerequisite: Permission of Instructor

Recommended Preparation: RLG206Y1/ RLG206H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG466H1 - Sravakayana and Theravada Text

Hours: 24S

An advanced study of key texts pertaining to the Theravada and other Sravakayana schools produced in Southern and Southeastern Asia from the early centuries BC till today with a focus on issues of translation, interpretation, commentarial approaches, doctrinal and narrative strategies, as well as issues related to the production, circulation, and consumption of these works. Texts will vary by year; consult the departmental website for this year's course description.

Prerequisite: Reading knowledge in Sanskrit, Pali, Tibetan, Chinese or a pertinent Asian vernacular literary language

Corequisite: None

Exclusion: None

Recommended Preparation: Any 200 or 300 level Buddhism course

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG467H1 - Reading Mahayana Texts

Hours: 24L

An advanced study of key texts pertaining to the Mahayana schools with a focus on issues of translation, interpretation, commentarial approaches, doctrinal and narrative strategies, as well as issues related to the production, circulation, and consumption of these works. Texts will vary by year; consult the departmental website for this year's course description.

Prerequisite: Permission of the instructor

Recommended Preparation: Any 200- and 300-level Buddhism course

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG471H1 - Special Topics in Hinduism

Hours: 24L

Advanced study in specialized topics on Hinduism.

Prerequisite: RLG205Y; Permission of instructor

Distribution Requirements: Humanities

RLG468H1 - Special Topics in Buddhism

Hours: 24L

Advanced study of specialized topics in Buddhist Studies

Prerequisite: Permission of instructor

Recommended Preparation: RLG206Y1Y

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG472H1 - Religion and Aesthetics in South Asia

Hours: 24S

Religion and aesthetics are sometimes constructed as separate categories, but in South Asia religion is not often conceptually distinct from an autonomous sphere of aesthetic reflection. In conversation with recent sociological, anthropological, and philosophical writings, we will explore this issue through careful study of a variety of Sanskrit sources: the epics, Abhinavaguptas commentary on the Natya Sastra, Vaisnava, Saiva, and Jaina appropriations of Sanskrit aesthetics and courtly poetry, and the works of Rabindranath Tagore. Students are encouraged to work with sources in the primary languages, although materials will also be provided in translation.

Prerequisite: RLG205Y; Permission of Instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG469Y1 - Readings in Tibetan

Hours: 48L/24S

Advanced readings in Tibetan literature using Tibetan language. Tibetan language skills required.

Prerequisite: Instructor's permission required for admission to course

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Thought, Belief and Behaviour (2)

RLG473H1 - Vedanta Through the Ages

Hours: 24S

A survey of Vedantic thought beginning with the classical commentaries on the Brahmasutras (such as those of Sankara, Ramanuja etc.) and ending with neo-Vedanta in the writings of Dayananda Saraswati, Sri Aurobindo and Radhakrishnan.

Prerequisite: RLG205Y1; RLG205H5; Instructor's permission required for admission to course

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG470H1 - Buddhist Tantra

Hours: 24L

A study of Tantric Buddhism, addressing ritual and scholastic practices, and problems of translation and interpretation. Themes will vary by year; consult the departmental website for this year's course description.

Prerequisite: Permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG474H1 - Sanskrit Readings (1)

Hours: 24S

This course will have students read choice pieces of South Asian literature. While tackling a text in Sanskrit from a major literary tradition, Buddhist or Hindu, and discussing its content and context, students will learn strategies for translating and interpreting Sanskrit literature.

Prerequisite: Intermediate Sanskrit

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG478H1 - Burmese Religions

Hours: 24L

This course will question the statement that "to be a Burmese is to be a Buddhist" by introducing students to the variegated religious landscapes of Buddhist, Christian, Hindu, Judaic, and Muslim Burma/Myanmar through an analysis and discussion of historical, art-historical, anthropological, and literary sources.

Prerequisite: No

Corequisite: None

Recommended Preparation: RLG206H1 or RLG206H5

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG475H1 - Fasting and Feeding in Hindu Traditions

Hours: 24S

An upper-level undergraduate and graduate course. Will look at a wide range of narratives and ritual practices as well as philosophical reflections from classical Indian thought on the relationship between food and religion and how this relationship plays out in the context of feasting and fasting in Indian/Hindu traditions.

Prerequisite: Instructor's permission required for admission to this course.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

RLG481H1 - Islamic Intellectual Tradition

Hours: 24S

This seminar covers three main areas of the Islamic intellectual tradition: legal, theological and mystical. Each section will be covered by reading an original work translated into English with the aid of secondary literature. The seminar will develop the students' knowledge of the classical Islamic tradition. Students will choose a research topic and develop and present to the class a synopsis of their research. The seminar culminates in writing a research paper on one aspect of the Islamic religious tradition.

Prerequisite: Permission of the instructor

Recommended Preparation: RLG204H1/RLG204H5

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG476H1 - Caste in Tamil Literature

Hours: 24L

This course looks at original and translated works of both fiction and non-fiction, or those which blur the boundaries between both in Tamil literature both in the premodern and contemporary period, which deal with caste in Tamil society. By looking at a range of works from the Periyapuranam to the contemporary radical Dalit perspective writings of Imayam and E. M. S. Kalaivaanan, among others we aim at arriving at an understanding of why, despite social and economic mobility caste remains the indelible marker of the modern Tamil identity even today.

Prerequisite: None though knowledge of Modern Tamil and the ability to read it is strongly recommended

Corequisite: None

Exclusion: None

Recommended Preparation: None

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

RLG484H1 - Religion and the Environment

Hours: 24S

This course examines how religious concerns within various religious traditions interface with contemporary environmental issues. Particular attention is paid to the challenge posed to the human and religious values of these traditions by the present ecological crisis and some salient ethical and religious responses to this challenge.

Prerequisite: Instructor's permission required for admission to course

Distribution Requirements: Humanities

Breadth Requirements: Living Things and Their Environment (4)

RLG490Y1 - Independent Research

Hours: 48S

Student-initiated intensive research courses supervised by faculty members of the Department. The student must obtain both a Supervisor's agreement and the Department's approval in order to register. The maximum number of Independent Research courses one may take is two full-course equivalents. Deadline for submitting applications to Department, including Supervisor's approval, is the first week of classes of the session. A full-course may be compressed into a single session or spread through two sessions; a half-course may similarly be done in either one session or across two sessions. These courses are open to majors and specialists only. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

RLG492H1 - Independent Research

Hours: 24S

Student-initiated intensive research courses supervised by faculty members of the Department. The student must obtain both a Supervisor's agreement and the Department's approval in order to register. The maximum number of Independent Research courses one may take is two full-course equivalents. Deadline for submitting applications to Department, including Supervisor's approval, is the first week of classes of the session. A full-course may be compressed into a single session or spread through two sessions; a half-course may similarly be done in either one session or across two sessions. These courses are open to majors and specialists only. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

RLG493H1 - Independent Research

Hours: 24S

Student-initiated intensive research courses supervised by faculty members of the Department. The student must obtain both a Supervisor's agreement and the Department's approval in order to register. The maximum number of Independent Research courses one may take is two full-course equivalents. Deadline for submitting applications to Department, including Supervisor's approval, is the first week of classes of the session. A full-course may be compressed into a single session or spread through two sessions; a half-course may similarly be done in either one session or across two sessions. These courses are open to majors and specialists only. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Rotman Commerce

Faculty List

Professor and Director, Rotman Commerce
D. Goldreich, BS, MS, MSIA, Ph D

Professors

J.H. Amernic, BSc, MBA, FCPA, FCA
O. Berman, BA, PhD
D. Brean, BA, MBA, MSc, PhD
J. Callen, PhD
O. Hope, MBA, PhD
R. Kan, MBA PhD
H. Lu, PhD
M. Mitchell, BS, MA, PhD
J. Oxley, BA/Bsc, MBA, MA, PhD
B. Reuber, BA, MSc, PhD
G. Richardson, BA, MBA, PhD
W. Rotenberg, BA, MBA, PhD
M. Rotundo, BA, MIR, PhD
W. Smieliauskas, MS, PhD
D. Soberman, BSc, MBA, PhD
P. Zhang, BSc, MA, MAcc, PhD

Associate Professors

N. Baum-Snow, PhD
S. Hawkins, BA, MS, PhD
B. S. Lee, BSc, MA, PhD
S. Liao, PhD
J. Mahrt-Smith, BSc, PhD
C. Tsai, BBA, MBA, PhD
K. Wang, MA, PhD
B. Xin, Ph D

Assistant Professors

K. Bryan, BA, MA, MS, MS, PhD
C. Celerier, M.SC, PhD
A. Corhay, B.Com, M.Sc, PhD
S. Dimitriadis
L. Doering, BA, MA, MA, PhD
K. Duke
D. Kim, BSBA, PhD
C. Liu, BA, PhD, DBA
S. Liu
N. Reiter, MSc, PhD
J. Shin
R. Webb, PhD
I. Yi, BBA, MSc, PhD
Z. Zhong, MFin, MA, PhD

Associate Professors, Teaching Stream

M. Khan, BCom, MBA, CPA, CA, CGEIT, CISA, CITP
A. Mackay, BSc, MA, PhD
M. Stapleton, BSc, MSc, MBA, CFA, FCSI
D. Stojanovic, B.Comm, MEd, CPA, CA
E. Zuliani, BCom, CPA, CA

Assistant Professors, Teaching Stream

C. Barrette, BCom, GDPA, CPA, CA

A. Beausoleil, BAA, MA, PhD
D. Boyko, CFA, CAIA, MA
C. Geoffrey, BA Hons, MBA
R. Tassone, BComm, MEd, CPA, CA

Lecturers

A. Armstrong, PhD

Introduction

Rotman Commerce at the University of Toronto offers a rigorous curriculum combining studies in management, economics, and the arts and sciences for an enriched professional undergraduate experience. The program explores the role of commerce in modern society while developing skill and confidence in analysis, effective communications and decision making.

The Bachelor of Commerce degree builds on a common foundation of a range of business disciplines and economics. Rotman Commerce students specialize in one of three areas: Accounting (either Public Accounting or Financial Reporting and Control), Finance and Economics, or Management. Each stream combines courses in management and applied economics with a variety of courses in the arts and sciences. The balance assures graduates of a solid understanding of business and modern society along with a command of critical skills across business disciplines, decision-making, and leadership.

Rotman Commerce graduates enter a wide range of professions, and frequently become financial analysts, accountants, marketing analysts, economists, managers of firms and government, or entrepreneurs. Some commerce students elect to undertake post-graduate studies. Law schools and MBA programs have been particularly favoured destinations of recent graduates.

Faculty from the Rotman School of Management who teach in Rotman Commerce are listed above.

General Enquiries: Rotman Commerce Academic Program Services; Rotman Commerce, 125 St. George Street; email: rotmancommerce.info@utoronto.ca; telephone: 416.978.3339; www.rotmancommerce.utoronto.ca

Registration Instructions for the Faculty of Arts & Science may be found on the [Program Toolkit](#) and [Course Enrolment Instructions](#) pages.

Bachelor of Commerce (BCom) Degree Requirements

This is a four-year degree program.

To qualify for a Bachelor of Commerce degree, a student must:

- Complete twenty full-course equivalents, including no more than six 100-series courses;
- Complete one of the Specialist programs – Accounting, Finance and Economics, or Management, (see below);
- Complete the Arts and Science Breadth Requirements*
- Obtain standing (i.e., complete with a grade of 50% or more or CR) in at least six 300- or 400-series courses, including at least one 400-series course. No more than one 300+ series transfer credit may be counted towards these six. (Students participating in an approved exchange program may count ALL 300+ transfer credits)

from the exchange towards the required six.)
 (e) Achieve a cumulative GPA of 1.85 or more by the time of graduation.

*Note: September 2016 and onward all Commerce students will follow the Arts and Science Breadth Requirements and are no longer required to have 1.0 FCE from category 1 (BR1). There is no Breadth Requirement status for RSM100Y1/RSM100H1/MGT100H1, and MGT201H1. September 2017 and onward all Commerce students will receive BR status for MAT133Y1 (BR5) and ECO220Y1 (BR3+5) and courses deemed equivalent.

Graduation

There are two graduation periods each year: June (degree requirements completed by the end of the Fall/Winter session) and November (degree requirements completed by the end of the Summer session). Students must request graduation using the Student Web Service or in the College Registrar's Office as they are not automatically assessed for graduation. Graduation requests must be submitted by the deadlines specified in the Sessional Dates section of the Calendar. Prospective graduands should check Degree Explorer at the end of March/late September to see if their programs have been confirmed as completed by the relevant department(s) or program office(s). They should also check Degree Explorer at the end of May/late October for confirmation of their eligibility for graduation by the Office of the Faculty Registrar.

Prospective graduands should receive an email from the Office of Convocation providing details of the convocation ceremony in late March/mid-October. An e-mail will be sent from the Office of the Faculty Registrar in late October/late May to students who have a request for graduation confirming their eligibility.

Rotman Commerce Notes

Enrolment in Rotman Commerce programs is limited. Most students are admitted to first-year with a Rotman Commerce Admission Guarantee (see below for terms and conditions). Rotman Commerce students choose their Specialist program after first year, provided that the conditions of the "guarantee" have been met. A number of spaces are also available in second-year for other Arts & Science students who were not admitted with the guarantee (see section on "Other Students" below for details).

First Year Rotman Commerce Students Admitted with the Rotman Commerce Guarantee:

Students admitted with the Rotman Commerce Admission Guarantee will be invited to enroll in their Specialist after first-year, provided that the following requirements have been met:

- Complete RSM100H1/RSM100Y1 Introduction to Management with a final mark of at least 67%
- Complete ECO101H1 Principles of Microeconomics with a final mark of at least 63% AND ECO102H1 Principles of Macroeconomics with a final mark of at least 63% or
 - Complete ECO100Y1 Introduction to Economics with a final mark of 67%
- Complete MAT133Y1 Calculus and Linear Algebra for Commerce with a final mark of at least 63%, or
 - MAT135H1 with a final mark of at least 60% AND MAT136H1 with a final mark of at least 60%, or
 - MAT137Y1 with a final mark of at least 55%, or
 - MAT157Y1 with a final mark of at least 55%.
- Accumulate a minimum of 4.0 credits

These requirements must be met within one calendar year of the student's enrolment in Arts & Science. For students beginning their studies in September, the requirements must be satisfied no later than the end of the following Summer Session.

Students may repeat any of the required courses once, in order to attain the requisite mark. The repeated course(s) must be completed within the calendar year (as per the terms of the "guarantee"); as such, the repeated course(s) must be taken during either the Winter or Summer Session of first-year (i.e. a student may not extend the terms of her/his guarantee in order to attain the minimum marks).

Failure to meet any of these requirements, or failure to complete all the required courses within the calendar year (assuming full-time studies), will result in losing the admission guarantee. Note that none of the required courses may be completed using the CR/NCR option.

Part-Time Students:

Students holding the Rotman Commerce Guarantee, who have applied for and been admitted to Part-Time study, will be assessed for entry into Rotman Commerce programs at the point when they have completed 4.0 credits including the required courses (see above for Rotman Commerce Guarantee). To qualify under the Part-Time provision, students must have been enrolled in a part-time course load from the beginning of each session. They may repeat each of the required courses only once in order to attain the minimum marks.

Other Students:

A limited number of spaces in Rotman Commerce are available to Arts & Science students who were not admitted to first-year with the Admission Guarantee. The number of spaces available is determined annually.

An application must be submitted in late-April/May of each year and admission decisions are made and communicated in late-June. All admission requirements must be completed by May 1 in order to be eligible for admission. Students who have not completed the necessary requirements (see below for specifics) by May 1 must apply for admission the following year.

Admission Requirements:

- Complete MGT100H1/RSM100H1/RSM100Y1 Introduction to Management with a final mark of at least 67%
- Complete ECO101H1 Principles of Microeconomics with a final mark of at least 63% AND ECO102H1 Principles of Macroeconomics with a final mark of at least 63% or
 - Complete ECO100Y1 Introduction to Economics with a final mark of 67%
- Complete MAT133Y1 with a final mark of at least 63%, or
 - MAT135H1 with a final mark of at least 60% AND MAT136H1 with a final mark of at least 60%, or
 - MAT137Y1 with a final mark of at least 55%, or
 - MAT157Y1 with a final mark of at least 55%.
- Attain an average of at least 73% across the qualifying courses (RSM100H1/MGT100H1/RSM100Y1, ECO101H1 and ECO102H1 OR ECO100Y1, and MAT133Y1 (or equivalent)). Note: in the case of repeated attempts, the highest mark attained will be considered when calculating this average
- Accumulate a minimum of 4.0 credits
- Submit the Rotman Commerce Supplemental Application

Admission will be based on marks and the Rotman Commerce Supplemental Application. If an Arts and Science student is admitted

to Rotman Commerce then MGT100H1 will be considered equivalent to RSM100H1.

Note: Meeting the minimum academic requirements does not guarantee admission to the program.

For information regarding admission to the program, contact Rotman Commerce at 416.946.0844 or rc.admissions@utoronto.ca

Additional Notes:

- Tuition Fees: Students enrolling in Rotman Commerce programs pay fees that are higher than other Arts & Science programs.
- Mathematics Note: MAT133Y1 satisfies the minimum Program requirements. Students who are likely to enroll in 200+ series MAT, STA and/or CSC courses are advised to take MAT135H1 and MAT136H1 or MAT137Y1 instead, noting that MAT137Y1 is a theoretically-oriented course for mathematically-based disciplines such as Mathematics, Computer Science, and Statistics.
- Maximum Term Load: Rotman Commerce students are limited to a maximum of 6.0 credits in any Fall/Winter session of their program and a maximum of 2.0 credits in their Summer session.

Rotman Commerce Programs

Accounting Specialist (BCom) - ASSPE2676

Description:

Rotman Commerce at the University of Toronto offers an innovative curriculum combining studies in management, economics, and the liberal arts for an enriched professional undergraduate experience. The program explores the role of commerce in modern society while developing skill and confidence in analysis, effective communication, and decision making. The Rotman Commerce program offers a Bachelor of Commerce (BCom) degree in three different specialist programs, Finance & Economics, Accounting, and Management.

All programs within the Bachelor of Commerce degree build on a common foundation of business and liberal arts courses. Rotman Commerce students specialize in one of three programs: Accounting, Finance and Economics, or Management. Each program combines courses in management and applied economics with a variety of advanced courses in the liberal arts and sciences. The balance assures graduates of a solid understanding of business and modern society along with a command of critical skills in decision-making and organizational leadership.

Rotman Commerce graduates frequently become economists, accountants, actuaries, financial analysts, marketing analysts, managers of firms and government, or proprietors of small businesses. Some commerce students elect to undertake post-graduate studies in the form of further university education: law schools and MBA programs have been particularly favoured destinations of recent graduates.

Enrolment Requirements:

In order to be admitted into the Rotman Commerce POSt, students are first admitted to Y1 of the Faculty of Arts and Science in the Rotman Commerce stream with an "admission guarantee." Students admitted with the guarantee are invited to enroll in the program after first-year, provided that the following academic requirements are met:

- Complete RSM100H1 Introduction to Management with a mark of at least 67%
- Complete ECO101H1 Principles of Microeconomics and ECO102H1 Principles of Macroeconomics with a mark of at least 63% in each
- Complete MAT133Y1 Calculus and Linear Algebra for Commerce with a mark of at least 63% (C)
- Complete a minimum of 4.0 full-course equivalents (i.e. 1 FCE beyond the three required courses)

These requirements must be met within one calendar year of the student's enrolment in Arts & Science. For students beginning their studies in September, the requirements must be satisfied no later than the end of the following Summer Session.

Students may repeat any of the required courses once, in order to attain the requisite mark. The repeated course(s) must be completed within the calendar year (as per the terms of the "guarantee"); as such, the repeated course(s) must be taken during either the Winter or Summer Session of first-year (i.e. a student may not extend the terms of her/his guarantee in order to attain the minimum marks).

Failure to meet any of these requirements, or failure to complete all the required courses within the calendar year (assuming full-time studies), will result in losing the admission guarantee. Note that none of the required courses may be completed using the CR/NCR option.

A small number of students are accepted as transfer from other Arts & Science streams in a competitive process after completing similar requirements.

Completion Requirements:

(16.0 full courses or their equivalent)

First Year:

1. (ECO101H1, ECO102H1), RSM100H1/ MGT100H1
2. MAT133Y1/(MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1
3. Students are strongly encouraged to take RSM219H1, RSM230H1 and RSM250H1 in their first year of study
4. Students are encouraged to take one course towards the Breadth Requirement in their first year of study

Higher Years:

5. ECO204Y1/ ECO206Y1; ECO220Y1/ ECO227Y1/(STA220H1, STA255H1)*/(STA237H1, STA238H1)/(STA257H1, STA261H1)
6. RSM219H1, RSM220H1, RSM221H1, RSM222H1, RSM225H1, RSM230H1, RSM250H1, RSM260H1, RSM270H1

7. RSM320H1, RSM321H1, RSM322H1, RSM323H1, RSM324H1,
RSM332H1, RSM333H1, RSM392H1

8. Any 0.5 FCE in 300+ ECO

9. RSM422H1, RSM423H1, RSM424H1, RSM426H1, RSM427H1

Notes:

- For students who began their Year 2 studies of Rotman Commerce in Fall 2019 and after: STA220H1 and STA255H1 are considered equivalent to ECO220Y1 for the purposes of completing Rotman Commerce program requirements only. They are not considered equivalent by the Economics department. Therefore STA220H1 and STA255H1 will not count towards an ECO minor nor will it count as a pre-req for upper level ECO courses where ECO220Y1 is required. Please consult the Commerce department if you are considering STA220H1 and STA255H1.
- Students must take a minimum of 8.0 FCE in RSM and 8.0 FCE in non-RSM courses. MGT100H1 is considered equivalent to RSM100H1 and counts as 0.5 FCE in RSM courses towards this requirement. Students may enrol in only one Rotman Commerce Specialist.

Finance and Economics Specialist (BCom) - ASSPE2038

Description:

Rotman Commerce at the University of Toronto offers an innovative curriculum combining studies in management, economics, and the liberal arts for an enriched professional undergraduate experience. The program explores the role of commerce in modern society while developing skill and confidence in analysis, effective communication, and decision making. The Rotman Commerce program offers a Bachelor of Commerce (BCom) degree in three different specialist programs, Finance & Economics, Accounting, and Management.

All programs within the Bachelor of Commerce degree build on a common foundation of business and liberal arts courses. Rotman Commerce students specialize in one of three programs: Accounting, Finance and Economics, or Management. Each program combines courses in management and applied economics with a variety of advanced courses in the liberal arts and sciences. The balance assures graduates of a solid understanding of business and modern society along with a command of critical skills in decision-making and organizational leadership.

Rotman Commerce graduates frequently become economists, accountants, actuaries, financial analysts, marketing analysts, managers of firms and government, or proprietors of small businesses. Some commerce students elect to undertake post-graduate studies in the form of further university education: law schools and MBA programs have been particularly favoured destinations of recent graduates.

Enrolment Requirements:

In order to be admitted into the Rotman Commerce POSt, students are first admitted to Y1 of the Faculty of Arts and Science in the Rotman Commerce stream with an "admission guarantee." Students admitted with the guarantee are invited to enroll in the program after first-year, provided that the following academic requirements are met:

- Complete RSM100H1 Introduction to Management with a mark of at least 67%
- Complete ECO101H1 Principles of Microeconomics and ECO102H1 Principles of Macroeconomics with a mark of at least 63% in each
- Complete MAT133Y1 Calculus and Linear Algebra for Commerce with a mark of at least 63% (C)
- Complete a minimum of 4.0 full-course equivalents (i.e. 1 FCE beyond the three required courses)

These requirements must be met within one calendar year of the student's enrolment in Arts & Science. For students beginning their studies in September, the requirements must be satisfied no later than the end of the following Summer Session.

Students may repeat any of the required courses once, in order to attain the requisite mark. The repeated course(s) must be completed within the calendar year (as per the terms of the "guarantee"); as such, the repeated course(s) must be taken during either the Winter or Summer Session of first-year (i.e. a student may not extend the terms of her/his guarantee in order to attain the minimum marks).

Failure to meet any of these requirements, or failure to complete all the required courses within the calendar year (assuming full-time studies), will result in losing the admission guarantee. Note that none of the required courses may be completed using the CR/NCR option.

A small number of students are accepted as transfer from other Arts & Science streams in a competitive process after completing similar requirements.

Completion Requirements:

(15 full courses or their equivalent)

First Year:

- (ECO101H1, ECO102H1), RSM100H1/ MGT100H1
- MAT133Y1/ (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1
- Students are strongly encouraged to take RSM219H1, RSM230H1 and RSM250H1 in their first year of study
- Students are encouraged to take one course towards the Breadth Requirement in their first year of study.

Higher Years:

- ECO204Y1/ ECO206Y1; ECO208Y1/ ECO209Y1; ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)*/ (STA237H1, STA238H1)*/ (STA257H1, STA261H1)
- RSM219H1, RSM222H1, RSM230H1, RSM250H1, RSM260H1, RSM270H1
- RSM330H1/ RSM336H1, RSM332H1, RSM333H1, RSM392H1
- Any 2.5 FCE in 300+ ECO
- 2.0 FCE from: RSM430H1, RSM432H1, RSM433H1, RSM434H1, RSM435H1, RSM437H1, RSM439H1

Notes:

- For students who began their Year 2 studies of Rotman Commerce in Fall 2019 and after: STA220H1 and STA255H1 are considered equivalent to ECO220Y1 for the purposes of completing Rotman Commerce program requirements only. They are not considered equivalent by the Economics department. Therefore STA220H1 and STA255H1 will not count towards an ECO minor nor will it count as a pre-req for upper level ECO courses where ECO220Y1 is required. Please consult the Commerce department if you are considering STA220H1 and STA255H1.
- Students must take a minimum of 8.0 FCE in RSM and 8.0 FCE in non-RSM courses. MGT100H1 is considered equivalent to RSM100H1 and counts as 0.5 FCE in RSM courses towards this requirement. Students may enrol in only one Rotman Commerce Specialist.

Management Specialist (BCom) - ASSPE2431

Description:

Rotman Commerce at the University of Toronto offers an innovative curriculum combining studies in management, economics, and the liberal arts for an enriched professional undergraduate experience. The program explores the role of commerce in modern society while developing skill and confidence in analysis, effective communication, and decision making. The Rotman Commerce program offers a Bachelor of Commerce (BCom) degree in three different specialist programs, Finance & Economics, Accounting, and Management.

All programs within the Bachelor of Commerce degree build on a common foundation of business and liberal arts courses. Rotman Commerce students specialize in one of three programs: Accounting, Finance and Economics, or Management. Each program combines courses in management and applied economics with a variety of advanced courses in the liberal arts and sciences. The balance assures graduates of a solid understanding of business and modern society along with a command of critical skills in decision-making and organizational leadership.

Rotman Commerce graduates frequently become economists, accountants, actuaries, financial analysts, marketing analysts, managers of firms and government, or proprietors of small businesses. Some commerce students elect to undertake post-graduate studies in the form of further university education: law schools and MBA programs have been particularly favoured destinations of recent graduates.

Enrolment Requirements:

In order to be admitted into the Rotman Commerce POSt, students are first admitted to Y1 of the Faculty of Arts and Science in the Rotman Commerce stream with an “admission guarantee.” Students admitted with the guarantee are invited to enroll in the program after first-year, provided that the following academic requirements are met:

- Complete RSM100H1 Introduction to Management with a mark of at least 67%
- Complete ECO101H1 Principles of Microeconomics and ECO102H1 Principles of Macroeconomics with a mark of at least 63% in each

- Complete MAT133Y1 Calculus and Linear Algebra for Commerce with a mark of at least 63% (C)
- Complete a minimum of 4.0 full-course equivalents (i.e. 1 FCE beyond the three required courses)

These requirements must be met within one calendar year of the student's enrolment in Arts & Science. For students beginning their studies in September, the requirements must be satisfied no later than the end of the following Summer Session.

Students may repeat any of the required courses once, in order to attain the requisite mark. The repeated course(s) must be completed within the calendar year (as per the terms of the “guarantee”); as such, the repeated course(s) must be taken during either the Winter or Summer Session of first-year (i.e. a student may not extend the terms of her/his guarantee in order to attain the minimum marks).

Failure to meet any of these requirements, or failure to complete all the required courses within the calendar year (assuming full-time studies), will result in losing the admission guarantee. Note that none of the required courses may be completed using the CR/NCR option.

A small number of students are accepted as transfer from other Arts & Science streams in a competitive process after completing similar requirements.

Completion Requirements:

(12.5 full courses or their equivalent)

First Year:

- (ECO101H1, ECO102H1), RSM100H1/ MGT100H1
- MAT133Y1/ (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1
- Students are strongly encouraged to take RSM219H1, RSM230H1 and RSM250H1 in their first year of study
- Students are encouraged to take one course towards the Breadth Requirement in their first year of study

Higher Years:

- ECO204Y1/ ECO206Y1; ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)*/ (STA237H1, STA238H1)/ (STA257H1, STA261H1)
- RSM219H1, RSM222H1, RSM230H1, RSM250H1, RSM260H1, RSM270H1
- RSM332H1, RSM333H1, RSM392H1
- Any 1.0 FCE in 300+ ECO
- 2.5 FCE in RSM courses at the 300+-level, with at least 1.0 FCE at the 400-level, and at least 0.5 FCE must be related to International Business, selected from RSM437H1, RSM462H1, RSM480H1, RSM490H1, RSM491H1, RSM Summer Abroad courses, and special topics courses as determined by the program office.

Notes:

- For students who began their Year 2 studies of Rotman Commerce in Fall 2019 and after: STA220H1 and STA255H1 are considered equivalent to ECO220Y1 for the purposes of completing Rotman Commerce program requirements only. They are not considered equivalent by the Economics department. Therefore STA220H1 and STA255H1 will not count towards an ECO minor nor will it count as a pre-req for upper level ECO courses where ECO220Y1 is required. Please consult the Commerce department if you are considering STA220H1 and STA255H1.
- Students must take a minimum of 8.0 FCE in RSM and 8.0 FCE in non-RSM courses. MGT100H1 is considered equivalent to RSM100H1 and counts as 0.5 FCE in RSM courses towards this requirement. Students may enrol in only one Rotman Commerce Specialist.

Focus in Finance - ASFOC2431B

Enrolment Requirements:

Enrolment in the Management Specialist Program (ASSPE2431).

Completion Requirements:

This Focus requires the completion of 2.5 FCE.

- Complete 1.0 FCE from the following courses: RSM330H1, RSM336H1, RSM433H1, RSM435H1
- Complete 1.5 FCE from the remaining course in requirement 1 and the following courses: RSM329H1, RSM429H1, RSM430H1, RSM432H1, RSM434H1, RSM435H1, RSM437H1, RSM438H1, RSM439H1, and any finance-themed RSM special topics and RSM Summer Abroad courses as determined by the department.*

Alternative courses may be substituted with approval of the Rotman Commerce Program Office.

* RSM210H1, RSM211H1, RSM212H1, RSM213H1, RSM310H1, RSM311H1, RSM312H1, RSM313H1, RSM314H1, RSM315H1, RSM316H1, RSM317H1, RSM318H1, RSM319H1, RSM410H1, RSM411H1, RSM412H1, RSM413H1, RSM414H1, RSM415H1, RSM416H1, RSM417H1, RSM418H1, RSM419H1, RSM498Y1 are special topics courses where the content will change from year to year. RSM295Y0, RSM395Y0 are Summer Abroad courses where different courses may share the same course code. When the course offerings and content are confirmed, the department will indicate whether a specific course will count towards this focus. Consult the Rotman Commerce Portal for course descriptions and prerequisites.

Focus in Financial Statement Analysis - ASFOC2431E

Enrolment Requirements:

Enrolment in the Management Specialist Program (ASSPE2431).

Completion Requirements:

This Focus requires the completion of 3.0 FCE.

- Required courses (1.0 FCE): RSM220H1/RSM329H1, RSM429H1
- 2.0 FCE from the following list: RSM221H1, RSM322H1, RSM323H1, RSM324H1, RSM327H1, RSM328H1, RSM425H1, RSM428H1, and any accounting-themed RSM special topics and RSM Summer Abroad courses as determined by the department. *

Alternative courses may be substituted with approval of the Rotman Commerce Program Office.

* RSM210H1, RSM211H1, RSM212H1, RSM213H1, RSM310H1, RSM311H1, RSM312H1, RSM313H1, RSM314H1, RSM315H1, RSM316H1, RSM317H1, RSM318H1, RSM319H1, RSM410H1, RSM411H1, RSM412H1, RSM413H1, RSM414H1, RSM415H1, RSM416H1, RSM417H1, RSM418H1, RSM419H1, RSM498Y1 are special topics courses where the content will change from year to year. RSM295Y0, RSM395Y0 are Summer Abroad courses where different courses may share the same course code. When the course offerings and content are confirmed, the department will indicate whether a specific course will count towards this focus. Consult the Rotman Commerce Portal for course descriptions and prerequisites.

Focus in International Business - ASFOC2431F

Enrolment Requirements:

Enrolment in the Management Specialist Program (ASSPE2431).

Completion Requirements:

This Focus requires the completion of 2.5 FCE.

- 1.5 FCE from: RSM437H1, RSM480H1, RSM490H1, ECO324H1, ECO364H1, ECO365H1, ECO419H1
- 1.0 FCE from either remaining courses in requirement 1 or the following: RSM295Y0, RSM296Y0, RSM395Y0, RSM461H1, RSM462H1, RSM481H1, RSM491H1, ECO341H1, ECO342H1, ECO362H1, ECO403H1, ECO406H1, ECO435H1, ECO451H1, language courses at the 200+ level and any international business-themed RSM special topics courses as determined by the department.* Participating in an international exchange may count up to 1.0 towards this requirement.

Alternative courses may be substituted with approval of the Rotman Commerce Program Office.

* RSM210H1, RSM211H1, RSM212H1, RSM213H1, RSM310H1, RSM311H1, RSM312H1, RSM313H1, RSM314H1, RSM315H1, RSM316H1, RSM317H1, RSM318H1, RSM319H1, RSM410H1, RSM411H1, RSM412H1, RSM413H1, RSM414H1, RSM415H1, RSM416H1, RSM417H1, RSM418H1, RSM419H1, RSM498Y1 are special topics courses where the content will change from year to year. When the course offerings and content are confirmed, the department will indicate whether a specific course will count towards this focus. Consult the Rotman Commerce Portal for course descriptions and prerequisites.

Focus in Leadership in Organizations - ASFOC2431C

Enrolment Requirements:

Enrolment in the Management Specialist Program (ASSPE2431).

Completion Requirements:

This Focus requires the completion of 2.5 FCE.

1. Complete 1.0 FCE from the following courses: RSM361H1, RSM461H1, RSM462H1, RSM463H1, RSM464H1, RSM465H1
2. Complete 1.5 FCE from remaining courses in requirement 1, or the following courses: RSM340H1, RSM341H1, RSM362H1, RSM405H1, RSM466H1, RSM496H1, and any leadership in organizations-themed RSM special topics and RSM Summer Abroad courses as determined by the department.*

Alternative courses may be substituted with approval of the Rotman Commerce Program Office.

* RSM210H1, RSM211H1, RSM212H1, RSM213H1, RSM310H1, RSM311H1, RSM312H1, RSM313H1, RSM314H1, RSM315H1, RSM316H1, RSM317H1, RSM318H1, RSM319H1, RSM410H1, RSM411H1, RSM412H1, RSM413H1, RSM414H1, RSM415H1, RSM416H1, RSM417H1, RSM418H1, RSM419H1, RSM498Y1 are special topics courses where the content will change from year to year. RSM295Y0, RSM395Y0 are Summer Abroad courses where different courses may share the same course code. When the course offerings and content are confirmed, the department will indicate whether a specific course will count towards this focus. Consult the Rotman Commerce Portal for course descriptions and prerequisites.

Focus in Strategy and Innovation - ASFOC2431D

Enrolment Requirements:

Enrolment in the Management Specialist Program (ASSPE2431).

Completion Requirements:

This Focus requires the completion of 2.5 FCE.

1. Complete 1.0 FCE from the following courses: RSM393H1, RSM459H1, RSM482H1, RSM490H1, RSM493H1, RSM2013Y1 (enrolment in graduate level courses by application and permission only)
2. Complete 1.5 FCE from remaining courses in requirement 1, or the following courses: RSM340H1, RSM341H1, RSM370H1, RSM394H1, RSM405H1, RSM410H1, RSM438H1, RSM464H1, RSM491H1, RSM494H1, RSM495H1, RSM496H1 and any strategy, innovation and/or entrepreneurship-themed RSM special topics and RSM Summer Abroad courses as determined by the department.*

Alternative courses may be substituted with approval of the Rotman Commerce Program Office.

* RSM210H1, RSM211H1, RSM212H1, RSM213H1, RSM310H1, RSM311H1, RSM312H1, RSM313H1, RSM314H1, RSM315H1, RSM316H1, RSM317H1, RSM318H1, RSM319H1, RSM410H1, RSM411H1, RSM412H1, RSM413H1, RSM414H1, RSM415H1, RSM416H1, RSM417H1, RSM418H1, RSM419H1, RSM498Y1 are special topics courses where the content will change from year to year. RSM295Y0, RSM395Y0 are Summer Abroad courses where different courses may share the same course code. When the course offerings and content are confirmed, the department will indicate whether a specific course will count towards this focus. Consult the Rotman Commerce Portal for course descriptions and prerequisites.

Focus in Marketing - ASFOC2431A

Enrolment Requirements:

Enrolment in the Management Specialist Program (ASSPE2431).

Completion Requirements:

This Focus requires completion of 2.5 FCE.

1. Complete 1.5 FCE of the following required courses: RSM251H1/ RSM350H1, RSM352H1, RSM353H1
2. Complete 1.0 FCE from the following: RSM450H1, RSM454H1, RSM455H1, RSM456H1, RSM457H1, RSM458H1, RSM459H1, and any marketing-themed RSM special topics and RSM Summer Abroad courses as determined by the department.*

Alternative courses may be substituted with approval of the Rotman Commerce Program Office.

* RSM210H1, RSM211H1, RSM212H1, RSM213H1, RSM310H1, RSM311H1, RSM312H1, RSM313H1, RSM314H1, RSM315H1, RSM316H1, RSM317H1, RSM318H1, RSM319H1, RSM410H1, RSM411H1, RSM412H1, RSM413H1, RSM414H1, RSM415H1, RSM416H1, RSM417H1, RSM418H1, RSM419H1, RSM498Y1 are special topics courses where the content will change from year to year. RSM295Y0, RSM395Y0 are Summer Abroad courses where different courses may share the same course code. When the course offerings and content are confirmed, the department will indicate whether a specific course will count towards this focus. Consult the Rotman Commerce Portal for course descriptions and prerequisites.

Rotman Commerce Courses

MGT100H1 - Fundamentals of Management

Previous Course Number: RSM100Y1
Hours: 24L

Introduction to management and its subdisciplines. Themes include business in a Canadian context, the nature of corporations, corporate governance, organizational behavior, operations, and strategy.

Exclusion: RSM100H1, RSM100Y1

RSM100H1 - Introduction to Management**Previous Course Number:** RSM100Y1**Hours:** 24L

Introduction to management and its subdisciplines. Themes include business in a Canadian context, the nature of corporations, corporate governance, organizational behavior, operations, and strategy. Enrolment limited to students entering the University with an expressed interest in studying at Rotman Commerce.

Exclusion: MGT100H1, RSM100Y1**MGT201H1 - Introduction to Financial Accounting****Hours:** 24L

Introduction to financial reporting and analysis that is used by companies to organize and evaluate data in light of their organization's goal. Emphasis is on decision-making and interpretation of financial statements and how they can be used to plan a firm's overall business activities through the use of real-world companies. Not open to Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Exclusion: RSM219H1**RSM210H1 - Special Topics in Management****Hours:** 24L

Topics and Issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirements: Social Science**RSM211H1 - Special Topics in Management****Hours:** 24L

Topics and Issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirements: Social Science**RSM212H1 - Special Topics in Management****Hours:** 24L

Topics and Issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirements: Social Science**RSM213H1 - Special Topics in Management****Hours:** 24L

Topics and Issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirements: Social Science**RSM219H1 - Introduction to Financial Accounting****Hours:** 24L/24T

Basic introduction to financial reporting and analysis. Emphasis is on decision-making and interpretation of financial statements and how they can be used to plan a firm's overall business activities through the use of real-world companies. Coverage includes the use of accounting information to prepare a basic set of financial statements. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Corequisite: RSM100H1/ MGT100H1/ RSM100Y1**Distribution Requirements:** Social Science**RSM220H1 - Intermediate Financial Accounting I****Hours:** 24L/24T

Foundations of financial reporting and analysis in Canada. Financial accounting topics are covered at an intermediate level, including both conceptual and technical aspects. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM219H1**Distribution Requirements:** Social Science

RSM221H1 - Intermediate Financial Accounting II

Hours: 24L/12T

Covers topics such as income statement and balance sheet topics with an emphasis on quality of earnings. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM220H1

Distribution Requirements: Social Science

RSM230H1 - Financial Markets

Hours: 24L

Introduction to Canadian and international financial markets. It provides an overview of the major financial institutions, their roles and some problems they face, the major types of financial securities and the mechanisms under which they are traded. It is a helpful preparation for students thinking of taking the Canadian Securities Course. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Corequisite: RSM100H1/ MGT100H1/ RSM100Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM222H1 - Management Accounting I

Hours: 24L/24T

Covers the conceptual and analytical foundations of management accounting and the applications of cost accounting information. Costing and control concepts are analyzed to equip students with tools for establishing costing systems, making business decisions, and evaluating management performance. Materials are designed to help students understand strategic cost management principles. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: Rotman Commerce: RSM219H1; Employment Relations or Human Resource Management: MGT201H1

Distribution Requirements: Social Science

RSM250H1 - Principles of Marketing

Hours: 24L

Students receive an introduction to the basic concepts, theories, and methods of contemporary marketing. The course offers a comprehensive framework to develop successful marketing efforts and allows students to create a marketing plan. Specific topics examined: market research, consumer behaviour, segmentation, product policy, pricing, distribution, communications, sales, and direct marketing. Not eligible for CR/NCR option. Contact Rotman Commerce for details. Fee for case study package: \$90.

Corequisite: RSM100H1/ MGT100H1/ RSM100Y1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

RSM225H1 - Legal Environment of Business I

Hours: 24L

Introduces students to the Canadian legal system as it relates to business entities. The course focuses on general legal concepts, including sources of law and the court structure; business entity law (including corporate law), commercial law (contract) as well as the law of torts. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM100H1/ MGT100H1/ RSM100Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM260H1 - Organizational Behaviour

Hours: 24L

Theoretical ideas and practical applications concerning the behaviour of individuals and groups in organizations. We explore relevant topics for management: motivation, personality, perception, decision-making, groups, and negotiation. A fee of \$10 will be charged to your student account for a simulation handbook. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM100H1/ MGT100H1/ RSM100Y1

Exclusion: IRE260H1, PSY332H1, WDW260H1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

RSM270H1 - Operations Management

Hours: 24L

Introduction to the management of business processes that convert inputs (labor, material, equipment) into outputs (goods and services) for internal and external markets. Topics include aggregate planning, inventory processes, supply chain management and service operations management. Presents modern quantitative and computing tools necessary for in-depth operational design and analysis. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM100H1/ MGT100H1/ RSM100Y1

Distribution Requirements: Social Science

Breadth Requirements: The Physical and Mathematical Universes (5)

RSM295Y0 - Special Topics

Hours: 24L

The areas of concentration depend on the instructor teaching the course. (Offered only during the summer session through the Summer Abroad Program). Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirements: Social Science

RSM301H1 - Independent Study

Hours: TBA

Open when a faculty member is willing and able to supervise. Students must obtain the approval of the Director of Rotman Commerce and the supervising faculty member before enrolling. Enrolment is restricted to 3rd year Rotman Commerce students. Consult the Rotman Commerce Office for details. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: 10.0 credits, Cumulative GPA of at least 2.70

Distribution Requirements: Social Science

RSM302H1 - Independent Study

Hours: TBA

Open when a faculty member is willing and able to supervise. Students must obtain the approval of the Director of Rotman Commerce and the supervising faculty member before enrolling. Enrolment is restricted to 3rd year Rotman Commerce students. Consult the Rotman Commerce Office for details. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: 10.0 credits, Cumulative GPA of at least 2.70

Distribution Requirements: Social Science

RSM303Y1 - Independent Study

Hours: TBA

Open when a faculty member is willing and able to supervise. Students must obtain the approval of the Director of Rotman Commerce and the supervising faculty member before enrolling. Enrolment is restricted to 3rd year Rotman Commerce students. Consult the Rotman Commerce Office for details. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: 10.0 credits, Cumulative GPA of at least 2.70

RSM304Y1 - Independent Study

Hours: TBA

Open when a faculty member is willing and able to supervise. Students must obtain the approval of the Director of Rotman Commerce and the supervising faculty member before enrolling. Enrolment is restricted to 3rd year Rotman Commerce students. Consult the Rotman Commerce Office for details. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: 10.0 credits, Cumulative GPA of at least 2.70

Distribution Requirements: Social Science

RSM310H1 - Special Topics in Management

Hours: TBA

Topics and Issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirements: Social Science

RSM311H1 - Special Topics in Management

Hours: TBA

Topics and Issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirements: Social Science

RSM315H1 - Special Topics in Management

Hours: TBA

Topics and Issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirements: Social Science

RSM312H1 - Special Topics in Management

Hours: TBA

Topics and Issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirements: Social Science

RSM316H1 - Special Topics in Management

Hours: TBA

Topics and Issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirements: Social Science

RSM313H1 - Special Topics in Management

Hours: TBA

Topics and Issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirements: Social Science

RSM317H1 - Special Topics in Management

Hours: TBA

Topics and Issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirements: Social Science

RSM314H1 - Special Topics in Management

Hours: TBA

Topics and Issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirements: Social Science

RSM318H1 - Special Topics in Management

Hours: TBA

Topics and Issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirements: Social Science

RSM319H1 - Special Topics in Management**Hours:** TBA

Topics and Issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirements: Social Science

RSM320H1 - Intermediate Financial Accounting III**Hours:** 24L

Covers broader areas in financial reporting, drawing upon regulatory documents and corporate communications. Topics include corporate reporting quality, employee future benefits, employee compensation disclosure and analysis, income tax accounting, narrative reporting. Emphasis on the context of financial reporting including an organization's 'tone at the top' and the adoption of international standards. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM221H1

Distribution Requirements: Social Science

Breadth Requirements: The Physical and Mathematical Universes (5)

RSM322H1 - Managerial Accounting and Decision Making**Hours:** 24L

The course focuses on making managerial decisions based on cost information. The relationship between strategy and costing systems is explored as are the economic characteristics which form the context for business decisions. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM222H1

Distribution Requirements: Social Science

Breadth Requirements: The Physical and Mathematical Universes (5)

RSM323H1 - Auditing I**Hours:** 24L/12T

This course introduces students to the concepts and theory underlying audit practice. Practical examples are used to help students develop skills in exercising professional judgment. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM221H1

Distribution Requirements: Social Science

Breadth Requirements: The Physical and Mathematical Universes (5)

RSM324H1 - Canadian Income Taxation I**Hours:** 24L/12T

This course emphasises the fundamentals of the Canadian tax system. Included are topics, such as, residence of corporations and individuals, effective tax rates for corporations and individuals, business income, integration, capital gains and losses, to name a few. A key objective of this course is to assist students in learning to read, interpret and apply provisions of the Income Tax Act to practical problems and cases. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM220H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM321H1 - Advanced Financial Accounting Topics**Hours:** 24L/12T

This course covers accounting issues and practices relating to long-term investments, consolidations, foreign transactions and foreign investments. International accounting issues are also introduced. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM320H1

Distribution Requirements: Social Science

Breadth Requirements: The Physical and Mathematical Universes (5)

RSM325H1 - Legal Environment of Business**II****Hours:** 24L

This course canvasses several areas of law that impact a business entity. Topics dealt with include agency law, employment law, the Personal Property Security Act and the rights of the secured creditor, bankruptcy law, relevant consumer protection legislation, intellectual property and other specific legal topics. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM225H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**RSM327H1 - Business Information Systems****Hours:** 24L/12T

This course helps students use, develop, and manage computer-based systems. The first half covers the basic features of hardware, software, communications, and databases. The second half examines how users, businesses, the economy, and society are affected by the development of this technology. No previous background in computing is assumed. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Exclusion: CSC340H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**RSM328H1 - Financial Distress and Insolvency****Hours:** 24L

This course explores the reasons for financial distress and introduces options for managers, creditors, lenders, and directors of firms in financial distress. The use of financial ratios to predict solvency problems is covered as well as strategies both for restructuring companies having financial difficulties and for negotiation with creditors. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM219H1, RSM222H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**RSM329H1 - Accounting for Finance Professionals****Previous Course Number:** RSM212H1**Hours:** 24L/12T

Finance professionals often rely heavily on accounting information obtained from financial statements and other sources of financial reporting. This course builds on the basic foundations provided in RSM219H1, Introduction to Financial Accounting, and provides an intermediate-level discussion of key concepts required to competently read, analyze, interpret, and evaluate financial statement information. Following topics are discussed from the perspectives of International Financial Reporting Standards (IFRS) and U.S. Generally Accepted Accounting Principles (US GAAP): revenue recognition, cash flows, inventories, long-lived assets, non-current liabilities, income taxes, and financial statement analysis. Not eligible for CR/NCR option.

Prerequisite: RSM219H1**Exclusion:** RSM212H1 (Special Topics in Management: Accounting for Finance Professionals), offered in Winter 2018 and Winter 2019**Recommended Preparation:** RSM332H1 and RSM333H1**Distribution Requirements:** Social Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**RSM332H1 - Capital Market Theory****Hours:** 24L

An introduction to capital market theory explaining how financial securities are priced. Topics covered include the time and risk value of money, the use of discounted cash flow techniques, efficient set theory, asset pricing and market efficiency. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM230H1**Corequisite:** ECO204Y1/ ECO206Y1, ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/(STA257H1, STA261H1)**Exclusion:** ACT349H1, ECO358H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**RSM333H1 - Introduction to Corporate Finance****Hours:** 24L/12T

Application and development of the ideas in RSM332H1 to corporate finance problems such as determining the weighted average cost of capital, project evaluation, corporate financing decisions, working capital management and initial public offerings. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM219H1, RSM332H1**Exclusion:** ACT349H1, ECO359H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)

RSM336H1 - Investments

Previous Course Number: RSM330H1

Hours: 24L

This course provides an introduction to financial theories and analytical tools for making investment decisions and for understanding how prices are determined for stocks and bonds. The course covers a broad range of topics including asset allocation, technical analysis, fundamental analysis, anomalies, and bond portfolio management. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM230H1, RSM332H1

Corequisite: ECO220Y1/ ECO227Y1/ STA220H1, STA255H1)/(STA257H1, STA261H1)/(STA237H1, STA238H1)

Exclusion: ACT349H1, RSM330H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM341H1 - Model-Based Decision Making

Hours: 24L

This course aims to introduce logically disciplined approaches to decision making under uncertainty. Managers are continually barraged with information that may be unreliable. They must choose courses of action in the face of many uncertainties. How can we define and assess the "optimality" of their decisions in a consistent manner? By building upon the answers to these questions, the course will consider the problem of rational choice when the outcome is determined by the actions of, and interactions between, multiple individuals. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: Completion of 10.0 full course equivalents.

Corequisite: ECO204Y1/ ECO206Y1; ECO220Y1/ ECO227Y1/(STA220H1, STA255H1)/(STA257H1, STA261H1)

Breadth Requirements: Thought, Belief and Behaviour (2)

RSM340H1 - The Opposable Mind: Approaches to Integrative Thinking

Previous Course Number: RSM310H1

Hours: 24L

Beginning with an exploration of integrative thinking and the tools associated with it, this course asks students to apply integrative thinking to complex problems that span traditional disciplines. Throughout the course, students will learn practical tools aimed at helping integrate between models, build new models and create new value. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM100H1/ MGT100H1/ RSM100Y1 Completion of 10.0 full-course equivalents.

Exclusion: RSM310H1 The Opposable Mind -- Approaches to Integrative Thinking

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

RSM350H1 - Marketing Management

Previous Course Number: RSM251H1

Hours: 24L

This course employs the case method of instruction to develop the skills required of marketing managers. Students will learn to diagnose marketing problems and develop, present, and defend their recommendations. They will also gain experience analyzing marketing situations, identifying market opportunities, developing marketing strategies, and designing the marketing mix. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM250H1

Exclusion: RSM251H1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

RSM352H1 - Marketing Research

Hours: 24L

Marketing research is studied from the perspective of the marketing manager. The course focuses on the initiation, design, and interpretation of research as an aid to marketing decision making. Case studies and projects are used to provide students with some practical research experiences. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: ECO220Y1/ ECO227Y1/(STA220H1, STA255H1)/(STA257H1, STA261H1)

Corequisite: RSM251H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM353H1 - Consumer Behaviour

Hours: 24L

Formulating successful marketing strategies requires an understanding of consumers' cultures, motivations, cognitions, and emotions. Students will learn how to use theoretical perspectives from psychology, economics, anthropology, and other disciplines to generate predictions about consumers, interpret consumer reactions to marketing stimuli, and develop rigorous skills in marketing analysis. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Corequisite: RSM251H1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

RSM370H1 - Supply Chain Management

Previous Course Number: RSM311H1

Hours: 24L

Globalization increasingly intertwines the Canadian and world economies. Understanding how firms can successfully link with worldwide suppliers and markets is central to growth. Supply chain management issues covered include: advanced inventory and production models; supply contracts; the bullwhip effect; vendor-managed inventories; distribution strategies; third-party logistics; product variety; current information technology. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: Completion of 10.0 full-course equivalents

Corequisite: RSM270H1

Exclusion: RSM311H1 Supply Chain Management

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM361H1 - Human Resource Management

Previous Course Number: RSM460H1

Hours: 24L

Human resource management is studied from the perspective of the manager/practitioner. The course focuses on decisions about when and whom to hire, how much to pay, what training to offer, and how to evaluate employees. Class exercises and projects are used to provide students with some practical experience with these topics. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: Rotman Commerce: RSM260H1; OR Employment Relations and Human Resource Management: IRE260H1

Exclusion: RSM460H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM392H1 - Strategic Management

Hours: 24L

Introduces core ideas, concepts and models in the area of Strategic Management. Addresses the following questions: Why does firm performance vary across industries, and across firms within a given industry? What types of competitive strategies can managers pursue? When are different types of strategies more or less likely to be successful? Enrolment is restricted to 3rd or 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM219H1, RSM222H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM362H1 - Leading Across Differences

Hours: 24L

This course makes linkages between a leader's stance and how strong preferences come to life and influence perspectives at the individual and organizational level. There is a deep exploration of one's knowledge system and a particular focus upon uncovering innovative frames around diversity that directly impact organizational strategy. Not eligible for CR/NCR option.

Exclusion: RSM315H1 - Leading Across Differences

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

RSM393H1 - Strategic Case Analysis

Hours: 24L

This course provides students with the opportunity to hone the critical skills of effective presentation, decisiveness and business acumen with a focus on learning-by-doing. Students will analyze and recommend solutions to business problems and develop abilities to present and defend recommendations in an impactful and effective manner. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM392H1. Completion of 10.0 full-course equivalents.

Exclusion: RSM312H1 Case Analysis for Strategic Management

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM394H1 - Social Entrepreneurship

Previous Course Number: RSM318H1

Hours: 24L/0T/0P/0S

In this course, students will learn how entrepreneurs create organizations that address social problems using innovative, sustainable approaches. Students will examine a variety of social venture forms and consider how such ventures can be evaluated, managed, and financed.

Exclusion: RSM318H1 (Topics: Social Entrepreneurship)

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

RSM395Y0 - Special Topics

Hours: TBA

The areas of concentration depend on the instructor teaching the course. (Offered only during the summer through the Woodsworth Summer Abroad Program). Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirements: Social Science

RSM401H1 - Independent Study Course

Hours: TBA

Open when a faculty member is willing and able to supervise. Students must obtain the approval of the Director of Rotman Commerce and the supervising faculty member before enrolling. Enrolment is restricted to 4th year Rotman Commerce students. Consult the Rotman Commerce Office for details. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: Cumulative GPA of at least 2.70

Distribution Requirements: Social Science

RSM402H1 - Independent Study Course

Hours: TBA

Open when a faculty member is willing and able to supervise. Students must obtain the approval of the Director of Rotman Commerce and the supervising faculty member before enrolling. Enrolment is restricted to 4th year Rotman Commerce students. Consult the Rotman Commerce Office for details. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: Cumulative GPA of at least 2.70

Distribution Requirements: Social Science

RSM403Y1 - Independent Study Course

Hours: TBA

Open when a faculty member is willing and able to supervise. Students must obtain the approval of the Director of Rotman Commerce and the supervising faculty member before enrolling. Enrolment is restricted to 4th year Rotman Commerce students. Consult the Rotman Commerce Office for details. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: Cumulative GPA of at least 2.70

Distribution Requirements: Social Science

RSM404Y1 - Independent Study Course

Hours: TBA

Open when a faculty member is willing and able to supervise. Students must obtain the approval of the Director of Rotman Commerce and the supervising faculty member before enrolling. Enrolment is restricted to 4th year Rotman Commerce students. Consult the Rotman Commerce Office for details. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: Cumulative GPA of at least 2.70

Distribution Requirements: Social Science

RSM405H1 - The CEO's Toolkit

Hours: 24L

A highly practical course designed for prospective Executives and the Professionals who will work with them. The course develops simple, powerful tools and strategies required to build, run, fix, change and evolve successful organizations. Lectures and case analysis integrate core management concepts from previous courses.

Prerequisite: RSM222H1

Corequisite: RSM332H1

Exclusion: RSM415H1 (2016-17)

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

RSM410H1 - Special Topics in Management

Hours: TBA

Topics and issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirements: Social Science

RSM414H1 - Special Topics in Management

Hours: TBA

Topics and issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirements: Social Science

RSM411H1 - Special Topics in Management

Hours: TBA

Topics and issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirements: Social Science

RSM415H1 - Special Topics in Management

Hours: TBA

Topics and issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirements: Social Science

RSM412H1 - Special Topics in Management

Hours: TBA

Topics and issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirements: Social Science

RSM416H1 - Special Topics in Management

Hours: TBA

Topics and issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirements: Social Science

RSM413H1 - Special Topics in Management

Hours: TBA

Topics and issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirements: Social Science

RSM417H1 - Special Topics in Management

Hours: TBA

Topics and issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirements: Social Science

RSM418H1 - Special Topics in Management**Hours:** TBA

Topics and issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirements: Social Science

RSM419H1 - Special Topics in Management**Hours:** TBA

Topics and issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirements: Social Science

RSM422H1 - Management Control**Hours:** 24L/12T

This course considers the processes and systems, many accounting-based, by which key managers allegedly ensure that resources are acquired and used effectively and efficiently in the accomplishment of an organization's goals. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM322H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM423H1 - Auditing II**Hours:** 24L

The course focuses on the reasoning and evidence theory underlying audit decision making. Coverage includes professional judgment, statistical auditing, audit of accounting estimates, framework for assurance engagements, and responsibilities to detect fraud. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM323H1

Distribution Requirements: Social Science

Breadth Requirements: The Physical and Mathematical Universes (5)

RSM424H1 - Canadian Income Taxation II**Hours:** 24L/12T

This course is designed to give the student an understanding of more complex issues of Canadian income tax law and tax planning. Included are topics, such as, computation of taxes, corporate reorganizations, business acquisitions and divestitures, partnerships, joint ventures and trusts, to name a few. The two course sequence (RSM324H1 and RSM424H1) has been designed to provide coverage of the tax content required by the professional accounting bodies. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM324H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM425H1 - Financial Reporting and Control: Theory and Contemporary Topics**Hours:** 24L

This course guides students to learn financial reporting theory and critically evaluate the research findings in accounting. It covers a broad range of topics such as information and measurement perspectives of accounting, agency theory and its implications and the role of network in management control. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM222H1, RSM332H1

Corequisite: RSM333H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM426H1 - Critical Thinking, Analysis and Decision Making**Hours:** 24L/12T

This is a capstone case course stressing the pervasive competencies and critical thinking skills required from Rotman Commerce graduates, professional accountants and advisors. The course integrates the technical and practical knowledge obtained in previous courses by applying this knowledge to case type situations. Aimed at students seeking an accounting designation. Enrolment is restricted to 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM322H1, RSM323H1, RSM324H1

Corequisite: RSM321H1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

RSM427H1 - Auditing and Information Systems

Hours: 24L/12T

This course investigates strategies and procedures used to audit computerized accounting systems based upon their special control characteristics. Special attention is devoted to computerized statistical procedures. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM323H1

Distribution Requirements: Social Science

Breadth Requirements: The Physical and Mathematical Universes (5)

RSM430H1 - Fixed Income Securities

Hours: 24L

Describes important fixed income securities and markets. The course emphasizes traditional bond and term structure concepts crucial to understand the securities traded in these markets. Students are required to work in the Rotman Financial Research & Trading Lab to solve the assigned problems using real time data. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: Rotman Commerce: RSM332H1; Actuarial Science: ACT349H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM428H1 - Analysis of Banking Financial Institutions and Instruments

Hours: 24L

We analyze the financial statements of banks to learn about the risk and return of bank financial assets and financial liabilities. Topics covered include interest rate risk, credit risk, market risk, fair value accounting, securitizations, derivatives and hedging of the banking firm as reflected through bank financial statements. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM219H1, RSM222H1, RSM333H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM432H1 - Risk Management for Financial Managers

Hours: 24L

This course examines the ways in which risks are quantified and managed by financial institutions. The principal risks considered include market risk, credit risk and operational risk. The course also covers the evolution of bank regulation and the regulatory limits on risk taking. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM333H1

Distribution Requirements: Social Science

Breadth Requirements: The Physical and Mathematical Universes (5)

RSM429H1 - Financial Statement Analysis and Valuation

Hours: 24L

This course is of interest to those pursuing a career where one needs to analyze financial statements "intelligently". This obviously includes those interested in finance related professions such as Investment Banking, Research and Investment Management. Students interested in consulting and marketing will also find this course useful because of its approach that focuses on business analysis with tie-ins to corporate strategy. This is a capstone course for students completing the Financial Reporting and Control stream in the Accounting Specialist. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM219H1, RSM222H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM433H1 - Advanced Corporate Finance

Hours: 24L

Applying fundamental finance ideas developed in RSM332H1 and RSM333H1 to real-life problems. The course will focus on business valuation and financial decisions in practical situations, on the assumption that students are already familiar with basic concepts from previous finance courses. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: Rotman Commerce: RSM333H1; Actuarial Science: ACT349H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM434H1 - Financial Trading Strategies

Previous Course Number: RSM412H1

Hours: 24L

This course will use finance theory applied with Excel applications to understand potential returns and risks inherent in particular investment/trading strategies. Learning-by-doing will be facilitated by simulation-based *Rotman Interactive Trader* cases focused on particular risks. This training will be analogous to using a flight simulator for learning to fly. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM332H1

Exclusion: RSM412H1 Financial Trading Strategies

Distribution Requirements: Social Science

Breadth Requirements: The Physical and Mathematical Universes (5)

RSM435H1 - Futures and Options Markets

Hours: 24L

This course covers the analysis of derivative instruments such as forwards, futures, swaps and options. By the end of the course, students will have good knowledge of how these contracts work, how they are used and how they are priced. A fee of \$35 will be charged to your student account for software purchase. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: ECO204Y1/ ECO206Y1, RSM332H1

Exclusion: ACT370H1

Distribution Requirements: Social Science

Breadth Requirements: The Physical and Mathematical Universes (5)

RSM437H1 - International Finance

Hours: 24L

International financial markets, exchange rates, forward markets, interest rate parity. International dimensions of investment, including both portfolio and foreign direct investment. International dimensions of corporate finance, including valuation and the cost of capital of foreign investments. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: Rotman Commerce: RSM333H1; Actuarial Science: ACT349H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM438H1 - Investing for Impact

Hours: 24L

This course is designed to be an introduction to the field of impact investing - investments that seek to generate financial and social environmental returns. In this course, we will examine different models of impact investing in both emerging and developed markets, the life-cycle of impact investments, new financial instruments and more.

Prerequisite: RSM222H1, RSM333H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM439H1 - Private Equity and Entrepreneurial Finance

Hours: 24L

The primary objective of the course is to improve students' ability to understand the concepts and institutions involved in private equity. The course will provide students with skill sets so they can analyze and understand private equity from multiple perspectives: the perspective of the individual/firm seeking and receiving private equity finance; the perspective of the private equity fund; and, the perspective of the limited partners that provide finance for private equity funds. Students will also learn how to build Leverage Buyout (LBO) models. Enrolment is restricted to 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM333H1

Exclusion: RSM410H1 (Special Topics in Management: Private Equity and Entrepreneurial Finance), offered in Winter 2015, Winter 2018, and Fall 2018

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM450H1 - Marketing and Behavioural Economics

Previous Course Number: RSM418H1

Hours: 24L

What motivates consumers, investors, employees, and managers? In this highly interdisciplinary course, we will examine topics such as the role of emotions in decision-making, "irrational" patterns of how people think about products, money, or investments, and how expectations shape perceptions. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: Completion of 10.0 full-course equivalents.

Exclusion: RSM418H1 Integrative Thinking: Psychology and Markets

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

RSM454H1 - Sales and Distribution Strategy**Hours:** 24L

Once you have a great product or service to sell, you need the right channel partners and strategies to bring your offering to the end-user. This course discusses what and how many intermediaries to partner with, partner roles and responsibilities, and how to stimulate high performance from channel partners.

Prerequisite: RSM250H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**RSM455H1 - Pricing****Hours:** 24L

Approaches pricing decision as an intersection of economics and psychology. Using product categories as diverse as financial services, healthcare, industrial products and consumer packaged goods, students study dynamic pricing, value pricing, price customization, price bundling and multi-part tariffs, menu costs and price stickiness, sales promotions, and pricing in two-sided markets. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM250H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**RSM456H1 - Big Data and Marketing Analytics****Previous Course Number:** RSM411H1**Hours:** 24L

The course is designed to introduce students to tools used in marketing analytics. Companies have been collecting vast databases to aid them in making sound marketing decisions. Examples include retail scanner panel data which keeps track of customers' purchase histories, loyalty-program data monitoring purchasing under different promotional environments, social network and online shopping history data. The course uses several marketing data sources to illustrate how to use statistical marketing models to evaluate the impacts of marketing-mix, and manage customer lifetime value.

Prerequisite: ECO220Y1/ ECO227Y1/(STA220H1, STA255H1)/(STA257H1, STA261H1)**Exclusion:** RSM411H1**Distribution Requirements:** Social Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**RSM457H1 - Strategic Marketing Communication****Hours:** 24L

This course covers how marketers communicate with customers - knowledge that is useful to students both as a manager and a consumer. The course will introduce the foundation knowledge of marketing communications as well as new trends in non-traditional media including sponsorships, social media, and digital marketing.

Prerequisite: RSM251H1/ RSM350H1**Exclusion:** RSM414H1 (Special Topics in Management: Strategic Marketing Communication), offered in Winter 2014 and Winter 2015**Distribution Requirements:** Social Science**Breadth Requirements:** Thought, Belief and Behaviour (2)**RSM458H1 - Branding Strategy****Hours:** 24L

Students will assume the role of senior marketing managers responsible for the design, implementation, and evaluation of branding strategies. Brands represent valuable assets that must be created, sustained, leveraged, and defended. This course will use case analysis and a group project to reinforce successful decision making and communication skills. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM251H1/ RSM350H1/(RSM392H1, RSM250H1)**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**RSM459H1 - Business Design****Hours:** 24L

What are the principles and practices that drive innovation in organizations? Create breakthrough solutions and businesses? This course teaches students how to identify customer needs, prototype new solutions and design business strategies to create competitive advantage. Students will apply the learning in real time and on real world challenges.

Prerequisite: RSM250H1**Exclusion:** RSM412H1**Distribution Requirements:** Social Science**Breadth Requirements:** Thought, Belief and Behaviour (2)

RSM461H1 - Managerial Negotiations

Hours: 24L

Students learn to recognize, understand, analyze, and practice essential concepts in negotiations required for understanding more complex relations within and between organizations. The main objective is to learn how to analyze the critical factors of a negotiation situation and then to be able to prescribe a course of action. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. A fee of \$50 will be charged to your student account for role play materials. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM260H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM464H1 - Organization Theory and Its Applications

Hours: 24L

Organization theory is an evidence-based approach that allows managers to analyze and design organizations more effectively. Focusing on organizations as social systems, the course emphasizes practical implications in topics that are essential to business success, including strategy implementation, organizational structure and culture, change management, globalization, and the organizational sources of enduring competitive advantage. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM260H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM462H1 - Managing People in the Context of Globalization

Previous Course Number: RSM410H1

Hours: 24L

This course introduces students to the impact of globalization on managing people. Understanding how organizational behaviour and human resource management processes work in the international context is essential for business success. This course helps students to develop a better understanding of how effective people management can create a competitive advantage in the international context. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM260H1

Exclusion: RSM410H1 Managing Human Resources in Context of Globalization

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM465H1 - Understanding Motivation and Incentives: Theory and Practice

Hours: 24L

This course is designed to introduce you to the fundamental principles of incentives and motivation, which are essential tools for managers. The course takes an interdisciplinary approach and you will be exposed to theories on these topics from a variety of different disciplines – behavioral decision-making, economics, organizational behavior, and psychology. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM260H1

Exclusion: RSM410H1 Incentives and Motivation

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

RSM463H1 - The Socially Intelligent Manager

Previous Course Number: RSM412H1

Hours: 24L

One of the most critical skills in leadership is the ability to manage social relationships. The purpose of this course is to introduce you to the science of social intelligence so that you are knowledgeable and confident about how to handle interpersonal issues when you enter the business world. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM260H1

Exclusion: RSM412H1 The Socially Intelligent Manager

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

RSM466H1 - Environmental and Social Responsibility

Hours: 24L

This course examines how corporations engage in the social economy through corporate social responsibility work and how corporations are increasingly "going green." It will cover current thinking and practice on corporate social responsibility and emphasize sustainability in business practices while allowing students to give voice to their own values.

Prerequisite: Must have completed at least 9.0 FCEs.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM470H1 - Management Science Modeling with Spreadsheets

Hours: 24L

The course presents quantitative methods of modeling business and other systems in order to objectively evaluate available alternatives and select the 'best' one with respect to pre-defined criteria. Topics include: Decision Analysis, Linear Programming, Integer Programming, Network Methods, Simulation and Waiting Line Models. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/(STA257H1, STA261H1)

Distribution Requirements: Social Science

Breadth Requirements: The Physical and Mathematical Universes (5)

RSM480H1 - Business in a Global Economy

Hours: 24L

Application of the analytic framework of international trade, foreign investment and exchange rate economics to management of business. Special topics include the industrial effects of trade liberalization, the role of the World Trade Organization, foreign exchange risk management, competition policy and international taxation. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM333H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM481H1 - Outsourcing and the Organization of Firms

Hours: 24L

Explores the issue of outsourcing, broadly defined: which activities should a firm do "in house" and which should it take outside? Using a combination of cases and economic analysis, it develops a framework for determining the "best" organizational structure. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: ECO204Y1/ ECO206Y1, ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/(STA257H1, STA261H1)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM482H1 - Game Theory for Business Strategy

Hours: 24L

Applies game-theoretic reasoning to analyze business strategy problems, focusing specifically on pricing, advertising, product positioning, product introduction, and relationships with upstream and downstream firms. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: ECO204Y1/ ECO206Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM483H1 - Real Estate Markets

Hours: 24L

This course uses economic methods to analyze real estate markets. Topics covered include the determinants of real estate values, the location decisions of households and firms, land use, urban growth and agglomeration, behavioural real estate economics and real options. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: ECO204Y1/ ECO206Y1, ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/(STA257H1, STA261H1), RSM332H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM484H1 - Real Estate Finance and Investment

Previous Course Number: RSM380H1

Hours: 24L

Real estate assets account for about one-third of the value of all capital assets in the world. This course provides an understanding of real estate investment, valuation and liabilities along with the public policy associated with home ownership, using modern finance and economic tools. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: ECO204Y1/ ECO206Y1, ECO220Y1/ ECO227Y1/ (STA220H1, STA255H1)/(STA257H1, STA261H1), RSM332H1

Corequisite: RSM333H1

Exclusion: RSM380H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM490H1 - International Strategy**Hours:** 24L

Focuses on developing an understanding of the fundamentals of doing business in an international environment. Based on the application of management theory (trade theory, modes of entry, foreign direct investment, theory of the multinational) to the strategic management problems of organizing business in the international arena. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM392H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**RSM493H1 - Entrepreneurship****Hours:** 24L

Introduces essentials of starting a new business: how to evaluate new opportunities, craft strategy, obtain resources, manage growth, and distribute ownership. Applies concepts from strategic management to challenges facing new/small businesses. Examines the role of entrepreneurs in spurring technological innovation and economic growth, and the effect of government policy on entrepreneurial activity. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM392H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**RSM491H1 - Global Capital Market Strategy****Hours:** 24L

This course exposes students to the intersection of global political economy and investment strategies, with particular emphasis on current global economic trends. The last 15 years have seen a dramatic expansion in the geographic scope for private equity investments, and in the risk involved in such investments. RSM491H1 will teach students to think through the issues facing executives, investors and policy makers considering investments. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM332H1**Exclusion:** RSM413H1 Globalization and Capital Markets: Political Economy and Investment Strategy**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**RSM494H1 - Technology Strategy****Hours:** 24L

Teaches about technological evolution and how evolutionary stages impact firms' strategic choices. Important issues in technological evolution are technological discontinuities, standards wars, dominant designs and patenting. Important strategic decisions concern innovation management, product versus process focus and intellectual property strategies. Project oriented coursework based on patent and business data bases. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM392H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**RSM495H1 - Management Consulting****Previous Course Number:** RSM416H1**Hours:** 24L

This course examines the management consultant's role and how the consulting industry serves to enhance effectiveness of client organizations. Future management advisors will learn skills necessary to support successful consulting business models and how to professionally engage clients to assist in generating competitive advantage through design/implementation of innovative approaches. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM392H1.**Exclusion:** RSM416H1 Management Consulting**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**RSM492H1 - Cooperative Strategy****Previous Course Number:** RSM419H1**Hours:** 24L

Cooperation to create economic value is a central feature of markets: from sophisticated coordination in strategic alliances to simple acts of agreement between buyers and sellers. This course goes beyond Porter's Five Forces to develop a rigorous understanding of the connections between value creation, competition and firm performance. Not eligible for CR/NCR option.

Prerequisite: RSM392H1**Exclusion:** RSM419H1 Cooperative Strategy**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)

RSM496H1 - Catastrophic Failure in Organizations

Hours: 24L

Addressing the risk of catastrophic failure is an increasingly important strategic challenge for firms. This course explores why modern organizations are vulnerable to catastrophic failure and how managers and consultants can manage catastrophic risks more effectively.

Prerequisite: RSM260H1 or RSM270H1 or RSM392H1

Exclusion: RSM418H1 - Catastrophic Failure in Organizations

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

RSM498Y1 - Special Topics in Management

Hours: 24L

Topics and issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

St. Michael's College

Faculty List

Professors Emeriti

A. Dooley, MA, PhD
S. Hoselton, MA, M Ed

Professors

A. Andrée, MA, PhD, LMS
R. Boyagoda, MA, PhD
M. G. McGowan, MA, PhD
G. Silano, LLB, MA, PhD
D. A. Wilson, MA, PhD

Associate Professors

R. Locklin, MTS, PhD

Assistant Professor

B. Miles, MA, PhD

Associate Professors, Teaching Stream

I. J. Gildea, MA, PhD (USMC)
M. O'Connor, PhD, STB, STL, DPhil (USMC)

Assistant Professors, Teaching Stream

M. Coilfér, PhD (USMC)
P. Granata, MA, MA, PhD (USMC)
A. More, MA, PhD (USMC)
F. Parker, MA, PhD (USMC)
J.O. Richard, PhD (USMC)
S. Tardif, MA, PhD (USMC)

Introduction

St. Michael's College offers a number of programs which emerge from its academic strength in various scholarly fields and reflect its centuries-old Christian intellectual traditions. Please consult the relevant websites for more complete information on each program.

SMC One: First-Year Seminars

The Gilson Seminar in Faith and Ideas

First-year students explore the intersection of faith with today's most important questions. This course also features a two-week international learning experience in Rome that explores the roles that the Catholic Church and Vatican have played in ecology, science, literature and politics.

The Boyle Seminar in Scripts and Stories

First-year students investigate the intersection of Celtic and mediaeval cultures through manuscript analysis and language instruction. Participants are invited to travel to Ireland with the course instructors for an out-of-course international learning experience the following summer.

The McLuhan Seminar in Creativity and Technology

First-year students explore the relationship between creativity and technology and the individual, social, and cultural effects of innovation. The McLuhan Seminar will include a one-week trip to Silicon Valley, California.

First-Year Foundations Seminars

First-year students can take a series of small first-year seminars taught by St. Michael's College professors that offer a topic-based and inter-disciplinary introduction to university-level studies. For more information about this year's offerings, please visit the Faculty of Arts and Science's resources page for First-Year Foundations Seminars.

Book and Media Studies:

An interdisciplinary and historical investigation of the role of printing, books and reading in cultures past and present. Topics explored include: manuscript and book production, internet publishing, book illustrations, censorship, advertising, readership and electronic media.

Celtic Studies:

Examines the literature, languages, history, music, folklore and archaeology of the peoples of Ireland, Scotland and Wales. Investigates Celtic identities in the ancient and modern worlds, and explores the transmission of Irish, Scottish and Welsh traditions to Canada and the United States.

Christianity and Culture:

A multidisciplinary exploration of Christian traditions from artistic, literary, philosophical, theological, scientific, social and historical perspectives.

Mediaeval Studies:

An interdisciplinary treatment of the history, art, literature and thought of the Middle Ages.

St. Michael's also offers a number of courses, listed below, which form part of the above programs, or of the programs of other colleges and departments, or are a reflection of staff and student academic interests not always available in departmental course offerings.

Principal & Vice President: Prof. Randy Boyagoda, 81 St. Mary Street, Room 127, Odette Hall (416-926-7148)

St. Michael's College Programs

Book and Media Studies Major (Arts Program) - ASMAJ1300

Enrolment Requirements:

This is a limited enrolment program. Students must complete at least 4 FCE at the 100+ level and may be admitted if they have completed any 100+level course and attained a grade of at least 67% in that course.

Consult Principal's Office, St. Michael's College

Completion Requirements:

(6 full courses or their equivalent, including at least 2 FCEs at the 300+level, 0.5 FCE of which must be at the 400-level)

1. SMC219Y1
2. SMC228H1; SMC229H1

3. 1.5 FCE SMC courses as designated by the program:
SMC155H1/ SMC165H1/ SMC188H1/ SMC188Y/
SMC189H1/ SMC203Y1/ SMC210H1/ SMC212H1/
SMC255H1/ SMC291H1/ SMC300H1/ SMC301H1/
SMC305H1/ SMC314H1/ SMC315H1/ SMC316H1/
SMC317H1/ SMC318H1/ SMC358H1/
SMC364H1/ SMC367H1/ SMC374H1/ SMC382H1/
SMC386H1/ SMC387H1/ SMC388Y1/ SMC392H1/
SMC397H1/ SMC398H1
4. 1.5 FCE from:
Second Year Offerings: ANT253H1/ ARC232H1/
CDN221H1/ ENG232H1/ ENG234H1/ ENG235H1/
ENG287H1/ FCS291H1/ HIS241H1/ HPS201H1/
HPS202H1/ SLA203H1/ SLA254H1/ SMC203Y1/
SMC210H1/ SMC212H1/ SMC255H1/ SMC291H1/
VIS206H1/ WGS271Y1
Third and Fourth Year Offerings:
CIN389H1/ ENG322Y1/ FAH319H1/ FRE308H1/
FRE310H1/ FRE324H1/ GER310H1/ HIS302H1/
HIS316H1/ HIS374H1/INI301H1/INI305H1/INS300Y1/
INS302H1/ JAL328H1/ MUS300H1/ SMC300H1/
SMC301H1/ SMC305H1/ SMC314H1/ SMC315H1/
SMC316H1/ SMC317H1/ SMC318H1/ SMC319H1/
SMC355H1/ SMC358H1/ SMC364H1/ SMC367H1/
SMC374H1/ SMC382H1/ SMC386H1/ SMC387H1/
SMC388Y1/ SMC392H1/ SMC397H1/ SMC398H1/
INI413H1/ VIC345H1/ EAS467H1/ FAH424H1/ HIS477H1/
PSY427H1
5. 0.5 FCE from:
SMC406H1/ SMC425H1/ SMC430H1/ SMC431H1/
SMC435H1/ SMC457H1/ SMC462H1/ SMC463H1/
SMC464H1/ SMC465H1/ SMC466H1/ SMC467H1/
SMC470H1
6. SMC385H1 or any course from Breadth Requirement Category 5: The Physical and Mathematical Universes

Book and Media Studies Minor (Arts Program) - ASMIN1300

Enrolment Requirements:

This is a limited enrolment program. Students must complete at least 4 FCE at the 100+ level and may be admitted if they have completed any 100+ level course and attained a grade of at least 67% in that course.

Consult Principal's Office, St. Michael's College

Completion Requirements:

(4 full courses or their equivalent, including at least one 300+ series full-course equivalent)

1. SMC219Y1
2. SMC228H1; SMC229H1
3. Two full courses or their equivalent from the following:
SMC155H1/ SMC165H1/ SMC188H1/ SMC188Y/
SMC189H1
Second Year Offerings: ANT253H1/ ARC232H1/
CDN221H1/ ENG232H1/ ENG234H1/ ENG235H1/
ENG287H1/ FCS291H1/ HIS241H1/ HPS201H1/
HPS202H1/ SLA203H1/ SLA254H1/ SMC203Y1/
SMC210H1/ SMC212H1/ SMC255H1/ SMC291H1/
VIS206H1/ WGS271Y1
Third and Fourth Year Offerings:
CIN389H1/ ENG322Y1/ FAH319H1/ FRE308H1/
FRE310H1/ FRE324H1/ GER310H1/ HIS302H1/
HIS316H1/ HIS374H1/INI301H1/INI305H1/INS300Y1/

INS302H1/ JAL328H1/ MUS300H1/ SMC300H1/
SMC301H1/ SMC305H1/ SMC314H1/ SMC315H1/
SMC316H1/ SMC317H1/ SMC318H1/ SMC319H1/
SMC355H1/ SMC358H1/ SMC364H1/ SMC367H1/
SMC374H1/ SMC382H1/ SMC386H1/ SMC387H1/
SMC388Y1/ SMC392H1/ SMC397H1/ SMC398H1/
INI413H1/ VIC345H1/ EAS467H1/ FAH424H1/ HIS477H1/
PSY427H1

Mediaeval Studies Major (Arts Program) - ASMAJ1231

Enrolment Requirements:

This is a Type 1 Program. Enrolment is open to students who have completed 4.0 FCEs.

Completion Requirements:

Consult Principal's Office, St. Michael's College.

(7 full courses or their equivalent, including at least 2.0 FCEs at the 300+ level, 0.5 of which must be at the 400 level)

1. At least 0.5 FCE from the introductory courses: SMC165H1/ SMC175H1/ SMC176Y1/ SMC210H1/ SMC212H1.
2. At least 1.0 FCE from the foundational courses listed below, which provide further introduction into more specific aspects of Mediaeval Studies
3. Up to 4.5 FCEs from among the following elective courses, with at least 1.5 FCEs from courses with an SMC designator. Students can choose courses from all four groups.

History:

SMC211H1/ SMC215H1/ SMC322H1/ SMC337H1/ SMC338H1/
SMC344Y1/ CLA378H1/ HIS208Y1/ HIS220Y1/ HIS251Y1/
HIS320H1/ HIS321H1/ HIS322H1/ HIS323H1/ HIS336H1/
HIS403H1/ HIS424H1/ HIS426H1/ HIS427H1/ HIS428H1/
HIS432H1/ HIS434Y1/ HIS438H1/ HPS201H1/ HPS430H1/
MST300H1/ NMC270H1/ NMC273Y1/ NMC275H1/ NMC342H1/
NMC376H1/ NMC377Y1/ NMC396Y1

Thought: SMC188Y1/ SMC188H1/ SMC189H1/ SMC205H1/
SMC210H1/ SMC212H1/ SMC213H1/ SMC307H1/ SMC324H1/
SMC327H1/ SMC350H1/ SMC359H1/ SMC361H1/ CLA336H1/
MAT390H1/ MST200Y1/ PHL200Y1/ PHL205H1/ PHL206H1/
PHL303H1/ PHL304H1/ PHL307H1/
PHL308H1/ PHL309H1/ PHL336H1/ RLG241Y1

Literature:

SMC176Y1/ SMC222H1/ SMC226H1/ SMC250Y1/ SMC323H1/
SMC343H1/ SMC373H1/ SMC436H1/ SMC440Y/ SMC440H1/
SMC441Y1/ SMC445H1/ ENG240Y1/ ENG300Y1/ ENG311H1/
ENG330H1/ ENG385H1/ FRE318H1/ FRE471H1/ GER429H1/
ITA311H1/ ITA312H1/ ITA320H1/ LAT101H1/ LAT102H1/
LAT201H1/ LAT202H1/ NMC255Y1/ NMC350H1/ SLA330Y1/
SLA400H1/ SPA450H1.

The Arts: SMC200H1/ SMC201H/ SMC326H1/ SMC344Y1/
SMC358H1/ SMC367H1/ FAH215H1/ FAH216H1/ FAH318H1/
FAH319H1/ FAH327H1/ FAH328H1/ FAH420H1/ FAH421H1/
FAH424H1/ FAH492H1/ NMC396Y1

And from the **intensive research courses** with changing topics in the fourth year: SMC406H1, SMC407Y1, SMC435H1, SMC457H1.

4. SMC385H1

5. At least 0.5 FCE from among the following: SMC406H1/
SMC407Y1/SMC435H1/SMC436H1/SMC457H1/SMC490Y1

Please note that not all courses are offered every year and that it is the responsibility of the student to plan ahead in order to make course selections that meet the program requirements.

Foundational Courses:

SMC176Y1 Mediaeval Latin I
SMC200H1 Christianity and the Arts
SMC201H Christian Imagination II: Literary Arts
SMC222H1 Mediaeval Latin II
SMC307H1 Scripture in Christian Tradition
SMC323H1 Mediaeval Latin III
SMC327H1 Ritual and Worship
SMC358H1 The Mediaeval Book
SMC359H1 Mediaeval Theology
SMC361H1 Mediaeval Law
SMC367H1 Christianity, Literature, and Theatre

Celtic Studies Specialist (Arts Program) - ASSPE1682

Enrolment Requirements:

This is a Type 1 Program. Enrolment is open to students who have completed 4.0 FCEs.

Completion Requirements:

Consult Principal's Office, St. Michael's College.

(10.5 full courses or their equivalent, including at least four 300+ series courses, 1.0 of which must be at the 400-level)

1. SMC240Y/(SMC240H1, SMC241H1)
2. Two FCEs from the following courses: SMC141Y1/SMC242Y1/
SMC243Y1/SMC251H1/SMC252H1/SMC440H1/
SMC440Y1/SMC445H1
3. Six FCEs from the list above and/or SMC165H1/SMC188H1/
SMC188Y/SMC189H1/SMC226H1/SMC250Y1/SMC333H1/
SMC334H1/SMC335Y1/SMC337H1/SMC338H1/SMC342Y1/
SMC343H1/SMC344Y1/SMC346H1/SMC347H1/SMC348H1/
SMC350H1/SMC351H1/SMC355H1/SMC356H1/SMC373H1/
SMC374H1/SMC375H1/SMC376H1/SMC377H1/SMC378H1/
SMC395Y1/SMC396H1/SMC411H1/SMC412H1/SMC413H1/
SMC416H1/SMC444H1/SMC457H1
4. SMC451Y1
5. SMC385H1/SMC444H1; if not, 0.5 FCE in Breadth Requirement Category 5: The Physical and Mathematical Universes.

Celtic Studies Major (Arts Program) - ASMAJ1682

Enrolment Requirements:

This is a Type 1 Program. Enrolment is open to students who have completed 4.0 FCEs.

Completion Requirements:

Consult Principal's Office, St. Michael's College.

(6.5 full courses or their equivalent, including at least 2.0 300+ series FCEs, 0.5 of which must be at the 400-level)

1. SMC240Y/(SMC240H1, SMC241H1)
2. One FCE from the following language courses: SMC141Y1/
SMC242Y1/SMC243Y1/SMC251H1/SMC252H1/SMC440H1/
SMC440Y1/SMC445H1
3. Four FCEs from the list above and/or SMC165H1/SMC188H1/
SMC188Y/SMC189H1/SMC226H1/SMC250Y1/SMC333H1/
SMC334H1/SMC335Y1/SMC337H1/SMC338H1/SMC342Y1/
SMC343H1/SMC344Y1/SMC346H1/SMC347H1/SMC348H1/
SMC350H1/SMC351H1/SMC355H1/SMC356H1/SMC373H1/
SMC374H1/SMC375H1/SMC376H1/SMC377H1/SMC378H1/
SMC395Y1/SMC396H1/SMC411H1/SMC412H1/SMC413H1/
SMC416H1/SMC444H1/SMC457H1
4. SMC385H1/SMC444H1; if not, 0.5 FCE in Breadth Requirement Category 5: The Physical and Mathematical Universes.

Celtic Studies Minor (Arts Program) - ASMIN1682

Enrolment Requirements:

This is a Type 1 Program. Enrolment is open to students who have completed 4.0 FCEs.

Completion Requirements:

Consult Principal's Office, St. Michael's College.

4 full courses or equivalent chosen from those listed for the Specialist program, including at least one 300+ series FCE

Christianity And Culture Specialist (Arts Program) - ASSPE0463

Completion Requirements:

Admission to the Christianity and Culture Specialist has been administratively suspended as of 1 April 2015 and is no longer admitting students. Students presently enrolled in the Specialist will be able to complete the program requirements as described below.

Consult Principal's Office, St. Michael's College

The courses of the Christianity and Culture Program include (1) all the SMC prefixed courses listed below under the Christianity and Culture heading, and (2) the following courses of other programs and departments: HPS326H1/ITA311H1/NMC270H1/NMC289H1/
RLG228H1/SMC176Y1/SMC213H1/SMC326H1/SMC464H1. In addition to Christianity and Culture courses, a number of other courses are cross-listed and may be counted towards the major and specialist programs as specified below. This list is available from the Program Co-ordinator, or on the St. Michael's College web site: <http://stmkies.utoronto.ca/christianity/courses>

11 full courses or their equivalent; at least four 300+series courses, including at least one full course at the 400 level; a total of up to 2.5 full courses may be selected from the approved list of cross-listed courses.

1. SMC103Y1/ SMC188Y1/ SMC188H1 and SMC189H1
2. SMC203Y1
3. 1.0 FCE from SMC200H1/ SMC201H1/ SMC205H1/ SMC208Y1/ SMC215H1/ SMC232H1/ SMC233H1
4. 0.5 FCE from SMC233H1/ SMC385H1
5. Three of the following four options; see the list of courses in each group below:
 - (a) Two FCEs from "Christianity and Society"
 - (b) Two FCEs from "Christianity and the Intellectual Tradition"
 - (c) Two FCEs from "Christianity, Arts and Letters"
 - (d) Two FCEs from "Christianity and Science"
6. 1.5 FCEs from Christianity and Culture or the list of approved cross-listed courses.

(a) Christianity and Society:
SMC204H1/ SMC205H1/ SMC207H1/ SMC215H1/ SMC308H1/ SMC309H1/ SMC312H1/ SMC313H1/ SMC362Y1/ SMC366H1/ SMC456H1/ SMC459H1/ NMC270H1; relevant Independent Studies or Special Topic courses SMC390Y1/ SMC391H1/ SMC400Y1/ SMC401H1/ SMC433Y1/ SMC434H1/ SMC457H1; or relevant cross-listed courses.

(b) Christianity and the Intellectual Tradition:
SMC176Y1/ SMC208Y1/ SMC213H1/ SMC307H1/ SMC311H1/ SMC322H1/ SMC327H1/ SMC330H1/ SMC417H1/ SMC418H1/ NMC289H1; relevant Independent Studies or Special Topic courses SMC390Y1/ SMC391H1/ SMC400Y1/ SMC401H1/ SMC433Y1/ SMC434H1/ SMC457H1; or relevant cross-listed courses.

(c) Christianity, Arts and Letters:
SMC200H1/ SMC201H1/ SMC217H1/ SMC305H1/ SMC326H1/ SMC364H1/ SMC424H1/ SMC455H1/ SMC464H1/ ITA311H1; relevant Independent Studies or Special Topic courses SMC390Y1/ SMC391H1/ SMC400Y1/ SMC401H1/ SMC433Y1/ SMC434H1/ SMC457H1; or relevant cross-listed courses.

(d) Christianity and Science:
SMC232H1/ SMC233H1/ SMC371H1/ HPS326H1/ RLG228H1; relevant Independent Studies or Special Topic courses SMC390Y1/ SMC391H1/ SMC400Y1/ SMC401H1/ SMC433Y1/ SMC434H1/ SMC457H1; or relevant cross-listed courses.

Christianity And Culture Major (Arts Program) - ASMAJ0463

Description:

A multidisciplinary exploration of Christian traditions from artistic, literary, philosophical, theological, scientific, social and historical perspectives.

Enrolment Requirements:

This is a Type 1 Program. Enrolment is open to students who have completed 4.0 FCEs.

Completion Requirements:

6.0 FCEs including at least 2.0 FCEs at the 300+ level, 0.5 of which must be at the 400 level.

First year: No specific first-year requirements

1. SMC203Y1
2. 1.5 FCEs from SMC200H1/ SMC215H1/ SMC218H1/ SMC232H1
3. 0.5 FCE from SMC370H1/ SMC371H1/ SMC383H1/ SMC385H1 or any course from Breadth Requirement Category 5: The Physical and Mathematical Universes
4. 3.0 additional FCEs from the Christianity and Culture courses, of which 1.0 FCE may be taken from the list of approved cross-listed courses (see SMC website)

Christianity And Culture Minor (Arts Program) - ASMIN0463

Description:

An exploration of Christian traditions which may include artistic, literary, philosophical, theological, scientific, social or historical perspectives.

Enrolment Requirements:

This is a Type 1 Program. Enrolment is open to students who have completed 4.0 FCEs.

Completion Requirements:

(4.0 FCEs, including at least 1.0 FCE at 300+level)

First year: No specific first-year requirements

1. SMC203Y1
2. 1.0 FCEs from SMC200H1/ SMC215H1/ SMC218H1/ SMC232H1
3. 2.0 FCEs from the Christianity and Culture courses, of which 0.5 FCE may be selected from approved cross-listed courses (see SMC website)

Minor Program in Christianity and Education (Arts Program) - ASMIN1014

Description:

This program offers students the opportunity to consider the theory, practice and history of Christian pedagogy.

Enrolment Requirements:

This is a Type 1 Program. Enrolment is open to students who have completed 4.0 FCEs.

Completion Requirements:

(4.0 FCEs, including at least 1.0 FCE at 300+ level)

First Year: No specific first-year requirements

1. SMC203Y1
2. SMC218H1, SMC312H1 and SMC313H1

3. 1.5 FCEs from Christianity and Culture courses:
SMC200H1 / SMC203Y1 / SMC215H1 / SMC232H1 /
SMC303H1 / SMC304H1 / SMC305H1 / SMC306H1 /
SMC307H1 / SMC308H1 / SMC309H1 / SMC311H1 /
SMC322H1 / SMC327H1 / SMC330H1 / SMC362H1 /
SMC364H1 / SMC365H1 / SMC367H1 / SMC368H1 /
SMC369H1 / SMC370H1 / SMC371H1 / SMC372H1 /
SMC379H1 / SMC382H1 / SMC383H1 / SMC384H1 /
SMC453H1 / SMC456H1 / SMC457H1 / SMC472H1

2. At least 2.0 FCEs from the foundational courses listed below, which provide further introduction into more specific aspects of Mediaeval Studies

3. At least 2.0 FCEs from the following Latin courses: SMC176Y1/
LAT101H1 / LAT102H1 / LAT201H1 / LAT202H1 / SMC222H1 /
SMC323H1

4. Up to 6.0 FCEs from among the following elective courses, with at least 2.0 FCEs from courses with an SMC designator. Students can choose courses from all four groups.

History:

SMC211H1 / SMC215H1 / SMC322H1 / SMC337H1 / SMC338H1 /
SMC344Y1 / CLA378H1 / HIS208Y1 / HIS220Y1 / HIS251Y1 /
HIS320H1 / HIS321H1 / HIS322H1 / HIS323H1 / HIS336H1 /
HIS403H1 / HIS424H1 / HIS426H1 / HIS427H1 / HIS428H1 /
HIS432H1 / HIS434Y1 / HIS438H1 / HPS201H1 / HPS430H1 /
MST300H1 / NMC270H1 / NMC273Y1 / NMC275H1 / NMC342H1 /
NMC376H1 / NMC377Y1 / NMC396Y1

Thought:

SMC188Y1 / SMC188H1 / SMC189H1 / SMC205H1 / SMC210H1 /
SMC212H1 / SMC213H1 / SMC307H1 / SMC324H1 / SMC327H1 /
SMC350H1 / SMC359H1 / SMC361H1 / CLA336H1 / MAT390H1 /
MST200Y1 / PHL200Y1 / PHL205H1 / PHL206H1 / PHL303H1 /
PHL304H1 / PHL307H1 / PHL308H1 / PHL309H1 / PHL336H1 /
RLG241Y1

Literature:

SMC176Y1 / SMC222H1 / SMC226H1 / SMC250Y1 / SMC323H1 /
SMC343H1 / SMC373H1 / SMC436H1 / SMC440Y / SMC440H1 /
SMC441Y1 / SMC445H1 / ENG240Y1 / ENG300Y1 / ENG311H1 /
ENG330H1 / ENG385H1 / FRE318H1 / FRE471H1 / GER429H1 /
ITA311H1 / ITA312H1 / ITA320H1 / LAT101H1 / LAT102H1 /
LAT201H1 / LAT202H1 / NMC255Y1 / NMC350H1 / SLA330Y1 /
SLA400H1 / SPA450H1.

The Arts:

SMC200H1 / SMC201H / SMC326H1 / SMC344Y1 / SMC358H1 /
SMC367H1 / FAH215H1 / FAH216H1 / FAH318H1 / FAH319H1 /
FAH327H1 / FAH328H1 / FAH420H1 / FAH421H1 / FAH424H1 /
FAH492H1 / NMC396Y1

And from the **intensive research courses** with changing topics in the fourth year: SMC406H1 / SMC407Y1 / SMC435H1 / SMC457H1.

5. SMC385H1

6. SMC490Y1

Note: Please note that not all courses are offered every year and that it is the responsibility of the student to plan ahead in order to make course selections that meet the program requirements.

Foundational Courses:

SMC176Y1 Mediaeval Latin I
SMC200H1 Christianity and the Arts
SMC201H Christian Imagination II: Literary Arts
SMC222H1 Mediaeval Latin II
SMC307H1 Scripture in Christian Tradition
SMC323H1 Mediaeval Latin III
SMC327H1 Ritual and Worship
SMC358H1 The Mediaeval Book
SMC359H1 Mediaeval Theology
SMC361H1 Mediaeval Law
SMC367H1 Christianity, Literature, and Theatre

Christianity and Culture: Major Program in Religious Education (Arts Program) - ASMAJ1021

Completion Requirements:

Admission to the Christianity and Culture: Major Program in Religious Education has been administratively suspended as of 1 April 2015 and is no longer admitting students. Students presently enrolled in the minor will be able to complete the program requirements as described below.

IMPORTANT NOTE: Status may be reviewed at the end of each fall-winter session to determine progress to subsequent years.

Consult Principal's Office, St. Michael's College.

Program requirements: 8 full courses or their equivalent, at least 2.0 FCE at 300+ series, including at least 0.5 FCE at 400 level.

1. SMC103Y1
2. Two FCEs as follows: JSV200H1; JSV201H1 (formerly SMC272H1); JSV202H1 (formerly SMC271H1); SMC313H1
3. 0.5 FCEs from the following (internship options): SMC366H1 (formerly SMC218Y1) / SMC362Y1 / SMC471H1
4. 4.5 FCEs from Christianity and Culture courses (including RLG100Y1 / RLG280Y1, SMC472Y1), with at least 1.5 FCE from the following: SMC203Y1 / SMC217H1 / SMC232H1 / SMC307H1 / SMC308H1 / SMC311H1 / SMC327H1 / SMC330H1

Mediaeval Studies Specialist (Arts Program) - ASSPE1231

Enrolment Requirements:

This is a Type 1 Program. Enrolment is open to students who have completed 4.0 FCEs.

Completion Requirements:

Consult Principal's Office, St. Michael's College.

(12 full courses or their equivalent, including at least 4.0 FCEs at the 300+ level, 1.0 of which must be at the 400 level)

1. At least 0.5 FCE from the introductory courses: SMC165H1 / SMC175H1 / SMC176Y1 / SMC210H1 / SMC212H1.

Mediaeval Studies Minor (Arts Program) - ASMIN1231

Enrolment Requirements:

This is a Type 1 Program. Enrolment is open to students who have completed 4.0 FCEs.

Completion Requirements:

Consult Principal's Office, St. Michael's College.

(4 full courses or their equivalent: at least one 300+ series full-course equivalent)

1. At least 0.5 FCE from the introductory courses SMC165H1/SMC175H1/SMC176Y1/SMC210H1/SMC212H1
2. At least 1.0 FCE from the foundational courses listed below
3. 2.5 FCEs from the foundational courses listed below or from the elective courses listed in item 4. of the Specialist Program above.

Foundational Courses:

- SMC176Y1 Mediaeval Latin I
- SMC200H1 Christianity and the Arts
- SMC201H Christian Imagination II: Literary Arts
- SMC222H1 Mediaeval Latin II
- SMC307H1 Scripture in Christian Tradition
- SMC323H1 Mediaeval Latin III
- SMC327H1 Ritual and Worship
- SMC358H1 The Mediaeval Book
- SMC359H1 Mediaeval Theology
- SMC361H1 Mediaeval Law
- SMC367H1 Christianity, Literature, and Theatre

Course Groups

Christianity and Culture Group A: Christianity and Society

- SMC204H1
- SMC205H1
- SMC207H1
- SMC215H1 Varieties of Christian Community
- SMC308H1 Marriage and the Family in the Catholic Tradition
- SMC309H1 Christianity and Politics
- SMC312H1 Catholicism and Education
- SMC313H1 Catholic Education in Ontario
- SMC362H1 International Development, Justice, and Human Dignity
- SMC366H1
- SMC456H1 Indian Christianity
- SMC459H1
- NMC270H1 Christians of the Middle East
- Relevant Independent Studies or Special Topic courses:
- SMC390Y1 Independent Studies in Christianity and Culture
- SMC391H1 Independent Studies in Christianity and Culture
- SMC401H1
- SMC433Y1 Independent Studies in Christianity and Culture

- SMC434H1 Independent Studies in Christianity and Culture
- SMC457H1 Directed Research
- or relevant cross-listed courses

Christianity and Culture Group B: Christianity and the Intellectual Tradition

- SMC176Y1 Mediaeval Latin I
- SMC208Y1
- SMC213H1 Dante and the Christian Imagination
- SMC307H1 Scripture in Christian Tradition
- SMC311H1 Why the Church
- SMC322H1 Women and Christianity
- SMC327H1 Ritual and Worship
- SMC330H1 Christ in Christian Tradition
- NMC289H1 Introduction to Coptic Studies
- Relevant Independent Studies or Special Topic courses:
- SMC390Y1 Independent Studies in Christianity and Culture
- SMC391H1 Independent Studies in Christianity and Culture
- SMC401H1
- SMC433Y1 Independent Studies in Christianity and Culture
- SMC434H1 Independent Studies in Christianity and Culture
- SMC457H1 Directed Research
- or relevant cross-listed courses

Christianity and Culture Group C: Christianity, Arts and Letters

- SMC200H1 Christianity and the Arts
- SMC201H1
- SMC217H1
- SMC305H1 Christianity and Popular Culture
- SMC326H1 Mediaeval Music: thought and practice
- SMC364H1 The Christian Book
- SMC424H1
- SMC455H1
- SMC464H1 Church, Ethics, and Media
- ITA311H1 Mediaeval Italian Literature in Translation: Dante
- Relevant Independent Studies or Special Topic courses:
- SMC390Y1 Independent Studies in Christianity and Culture
- SMC391H1 Independent Studies in Christianity and Culture
- SMC401H1
- SMC433Y1 Independent Studies in Christianity and Culture
- SMC434H1 Independent Studies in Christianity and Culture
- SMC457H1 Directed Research
- or relevant cross-listed courses

Christianity and Culture Group D: Christianity and Science

- [SMC232H1 Christianity and Science](#)
- [SMC233H1](#)
- [SMC371H1 Faith and Physics](#)
- [HPS326H1 History of Science and Religion](#)
- [RLG228H1](#)
- Relevant Independent Studies or Special Topic courses:
- [SMC390Y1 Independent Studies in Christianity and Culture](#)
- [SMC391H1 Independent Studies in Christianity and Culture](#)
- [SMC401H1](#)
- [SMC433Y1 Independent Studies in Christianity and Culture](#)
- [SMC434H1 Independent Studies in Christianity and Culture](#)
- [SMC457H1 Directed Research](#)
- or relevant cross-listed courses

Mediaeval Studies Group A: History

- [SMC165H1 SMC One: The Boyle Seminar in Scripts and Stories](#)
- [SMC211H1 The Middle Ages and the Movies](#)
- [SMC212H1 The Later Mediaeval Tradition](#)
- [SMC215H1 Varieties of Christian Community](#)
- [SMC337H1 Early Celtic History 450-1000](#)
- [SMC338H1 The Celtic Nations in the Later Middle Ages 1000-1550](#)
- [SMC344Y1 Celtic Archaeology](#)
- [CLA378H1 Late Antiquity](#)
- [HIS208Y1 History of the Jewish People](#)
- [HIS220Y1 The Shape of Medieval Society](#)
- [HIS251Y1 History of East Central Europe](#)
- [HIS320H1 Barbarian Invasions and the Fall of the Roman Empire](#)
- [HIS321H1 Dark Age Europe, 7th 10th Centuries](#)
- [HIS322H1 The High Middle Ages](#)
- [HIS323H1 Rites of Passage and Daily Life in the Middle Ages](#)
- [HIS336H1 Medieval Spain](#)
- [HIS403H1 Jews and Christians in Medieval and Renaissance Europe](#)
- [HIS424H1 Violence in Medieval Society](#)
- [HIS426H1 Medieval Italy, 400-1000](#)
- [HIS427H1 History and Historiography in the Golden Legend](#)
- [HIS428H1 Medieval Institutes of Perfection](#)
- [HIS432H1 Topics in Medieval History](#)
- [HIS434Y1 Kievan Rus](#)
- [HIS438H1 Inquisition and Society in Medieval and Early Modern Europe](#)
- [HPS201H1 Origins of Western Technology](#)
- [HPS430H1 History of Technology I](#)
- [NMC270H1 Christians of the Middle East](#)
- [NMC273Y1 Early Islamic History: The Prophet and the Caliphates](#)
- [NMC275H1 The Mongol Empire and the World It Made](#)
- [NMC342H1 History & Sources of Egyptian Monasticism](#)

- [NMC376H1 History of Islamic Spain and North Africa \(640-1492\)](#)
- [NMC377Y1 The Ottoman Empire to 1800](#)
- [NMC396Y1 The Islamic City](#)

Mediaeval Studies Group B: Thought

- [SMC188H1 SMC One: The Gilson Seminar in Faith and Ideas](#)
- [SMC189H1 SMC One: The Gilson Seminar in Faith and Rome](#)
- [SMC188Y1](#)
- [SMC210H1 The Early Mediaeval Tradition](#)
- [SMC213H1 Dante and the Christian Imagination](#)
- [SMC307H1 Scripture in Christian Tradition](#)
- [SMC324H1 The Study of the Bible in the Middle Ages](#)
- [SMC327H1 Ritual and Worship](#)
- [SMC350H1 Celtic Spirituality](#)
- [SMC359H1 Mediaeval Theology](#)
- [SMC361H1 Mediaeval Law](#)
- [SMC368H1 Varieties of Christian Experience](#)
- [CLA336H1 Roman Law](#)
- [MAT390H1 History of Mathematics up to 1700](#)
- [MST200Y1](#)
- [PHL200Y1 Ancient Philosophy](#)
- [PHL205H1 Early Medieval Philosophy](#)
- [PHL206H1 Later Medieval Philosophy](#)
- [PHL303H1 Plato](#)
- [PHL304H1 Aristotle](#)
- [PHL307H1 Augustine](#)
- [PHL308H1 Aquinas](#)
- [PHL309H1 Topics in Medieval Philosophy](#)
- [PHL336H1 Islamic Philosophy](#)
- [RLG241H1 Early Christian Writings I](#)

Mediaeval Studies Group C: Literature

- [SMC176Y1 Mediaeval Latin I](#)
- [SMC222H1 Mediaeval Latin II](#)
- [SMC226H1 King Arthur](#)
- [SMC250Y1 Celtic Mythology](#)
- [SMC323H1 Mediaeval Latin III](#)
- [SMC343H1 Medieval Celtic Narratives](#)
- [SMC373H1 Medieval Celtic Poetry](#)
- [SMC440H1 Middle Welsh](#)
- [SMC441Y1 Old and Middle Irish](#)
- [SMC436H1 Mediaeval Latin IV](#)
- [ENG240Y1 Old English Language and Literature](#)
- [ENG300Y1 Chaucer](#)
- [ENG311H1 Medieval Literature](#)
- [ENG330H1 Medieval Drama](#)
- [ENG385H1 History of the English Language](#)
- [FRE318H1 Medieval French Literature](#)
- [FRE471H1 Medieval French Language](#)
- [GER429H1 Topics in Medieval German Literature \(E\)](#)
- [ITA311H1 Mediaeval Italian Literature in Translation: Dante](#)
- [ITA312H1 Mediaeval Italian Literature in Translation: Petrarch and Boccaccio](#)

- [ITA320H1 Dante: Vita Nuova and Divina Commedia \(Inferno\)](#)
- [LAT101H1 Introductory Latin I](#)
- [LAT102H1 Introductory Latin II](#)
- [LAT201H1 Intermediate Latin I](#)
- [LAT202H1 Intermediate Latin II](#)
- [NMC255H1 Love, Battle, and Wit: Classics of Premodern Arabic Literature](#)
- [NMC350H1 Christian Literature from the Middle East in Translation](#)
- [SLA330Y1](#)
- [SLA400H1 Studies in Medieval Russian Literature](#)
- [SPA450H1 Literature and Society in Medieval Iberia](#)

Mediaeval Studies Group D: The Arts

- [SMC200H1 Christianity and the Arts](#)
- [SMC326H1 Mediaeval Music: thought and practice](#)
- [SMC344Y1 Celtic Archaeology](#)
- [SMC358H1 The Mediaeval Book](#)
- [SMC367H1 Christianity, Literature, and Theatre](#)
- [FAH215H1 Early Medieval Art and Architecture](#)
- [FAH216H1 Later Medieval Art and Architecture](#)
- [FAH318H1 Monastic Art and Architecture](#)
- [FAH319H1 Illuminated Manuscripts](#)
- [FAH327H1 Secular Art and Architecture of the Middle Ages](#)
- [FAH328H1 Gothic Cathedral](#)
- [FAH420H1 Studies in Western Medieval Art and Architecture](#)
- [FAH421H1 Studies in Medieval Cities](#)
- [FAH424H1 Studies in Medieval Book Illumination](#)
- [FAH492H1 Independent Studies in Medieval Art and Architecture](#)
- [NMC396Y1 The Islamic City](#)

Mediaeval Studies Foundational Courses

- [SMC176Y1 Mediaeval Latin I](#)
- [SMC200H1 Christianity and the Arts](#)
- [SMC222H1 Mediaeval Latin II](#)
- [SMC307H1 Scripture in Christian Tradition](#)
- [SMC323H1 Mediaeval Latin III](#)
- [SMC327H1 Ritual and Worship](#)
- [SMC358H1 The Mediaeval Book](#)
- [SMC359H1 Mediaeval Theology](#)
- [SMC361H1 Mediaeval Law](#)
- [SMC367H1 Christianity, Literature, and Theatre](#)

St. Michael's College Courses

SMC195H1 - God and Money in the Middle Ages

Hours: 24S

This seminar considers the ethical, political, and spiritual questions arising from the existence of wealth and poverty in medieval European culture. With readings from Dante, Chaucer, Thomas Aquinas and others, the course will examine how the interaction of spiritual ideals and material realities shaped cultural developments from late antiquity to the Protestant Reformation. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Other first-year foundations or College Ones courses

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

SMC196H1 - Beauty, Human and Divine

Hours: 24S

What is beauty? A quality of fragile things? Or a manifestation of something transcendent? Is beauty human, divine—or both? This seminar will take up these questions by exploring the great works—and intense debates—inspired by the encounter between Christianity and beauty. We will consider the tensions and paradoxes that arise when artists work with religious subject matter, how Christianity's central claims expand conventional aesthetics categories, and how secular artists respond to these expressions and developments. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Other first year foundations or College Ones courses

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SMC197H1 - The Sistine Chapel: History, Imagery, Usage

Hours: 24S

The Sistine Chapel in Rome is a historical artifact, an artistic monument, and a house of worship—at once recognizable and mystifying. This seminar explores fifteenth-century origins, decoration by some of the most accomplished artists of the Italian renaissance, and continuing use (especially the election of popes). Topics will include: art and patronage, rhetoric and ritual, controversial restoration, and the Sistine Chapel in popular culture—with an emphasis on the close analysis of the major frescoes. The seminar will develop the academic skills needed for the analysis and discussion of texts, paintings, and ritual events. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Other first year foundations or College Ones courses

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SMC199H1 - Intelligence, Artificial and Human

Hours: 24S

What is human intelligence? How close are we to replicating it? How productive/reductive is the brain-computer analogy? What ethical challenges are posed by AI on workers, society, and the environment? Can we put a hold on "progress"? Is Silicon Valley the seat of a new techno-religion? What can they teach us about today's research priorities? What insight (or inspiration) can we get from works of science fiction about the future of human-AI interaction? Through reading discussion, written assignment, and workshops, this seminar will present students with the opportunity to integrate their computer science interests with philosophy, history, and literature. *There is an equivalent course offered by the Department of Computer Science. Students may take one or the other but not both.* Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: CSC199H1, other first year foundations or College Ones courses

Distribution Requirements: Science

Breadth Requirements: Society and its Institutions (3)

SMC198H1 - How to Study Video Games

Hours: 36S

Games and play are a fundamental part of human society, and today digital games occupy a central place in popular culture, media industries, and the imaginations of players around the world. This seminar introduces students to the growing academic field of game studies, with an emphasis on close analysis of specific games as cultural objects. Through lectures, discussions, and in-class play sessions, students will build a critical vocabulary and toolbox of techniques for understanding the unique formal, aesthetic, narrative, and thematic properties of games in a variety of platforms and genres, and develop basic academic reading, writing, and research skills. No previous experience or expertise with video games is required to take this course. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Other first year foundations or College Ones courses

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SMC One: First-Year Seminars

SMC155H1 - SMC One: The McLuhan Seminar in Creativity and Technology

Hours: 12L/12S

This seminar is an interdisciplinary exploration of the relationship between creativity and technology. Inspired by the innovative thinking of Marshall McLuhan, it explores how the humanities relate to other fields of thought and research in addressing the individual, social and cultural experiences and effects of technological innovation. This course includes a mandatory travel component opportunity to Silicon Valley, California, the costs of which, including transportation, room and board, are covered by the University of St. Michael's College. Restricted to first-year students. Not eligible for CR/NCR option. (A fee of up to \$1000 will apply for travel costs.)

Prerequisite: Admission to SMC One

Exclusion: Innis One, Munk One, New One, Trinity One, Vic One, UC One, Woodsworth One, SMC165H1, SMC188H1, SMC189H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SMC165H1 - SMC One: The Boyle Seminar in Scripts and Stories

Hours: 24L/12S

This seminar introduces students to university-level studies through an interdisciplinary exploration of Celtic influences in the mediaeval world, with a particular focus on early books and historical artifacts as physical objects and bearers of meaning. Students will learn how to read and analyse these books and artifacts to decode their meanings, and, in support of that, take introductory language instruction in Latin or Irish. Subjects discussed will include intercultural encounter and dialogue, research methods with historical sources, and the relationship between the written word and lived experience, then and now. There is a co-curricular travel opportunity to Dublin, Ireland associated with this course which is strongly recommended. The costs of this travel opportunity are covered by the University of St. Michael's College. Restricted to first-year students. Not eligible for CR/NCR option. (A fee of up to \$1000 will apply for travel costs.)

Prerequisite: Admission to SMC One

Exclusion: Innis One, Munk One, New One, Trinity One, Vic One, UC One, Woodsworth One, SMC155H1, SMC188H1, SMC189H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SMC189H1 - SMC One: The Gilson Seminar in Faith and Rome

Previous Course Number: SMC188Y1

Hours: 24L

This course provides an intensive international learning experience in Rome, Italy. It offers contemporary and historical models of integrating faith with reason, and religious practice with intellectual, creative, and public engagement, specifically the roles that the Catholic Church and Vatican play in Rome, in ecology, science, literature, and public life. This course includes a mandatory travel component to Rome, Italy, the costs of which, including transportation, room and board, are covered by the University of St. Michael's College. Restricted to first-year students. Not eligible for CR/NCR option. (A fee of up to \$2000 will apply for travel costs.)

Prerequisite: SMC188H1

Exclusion: Innis One, Munk One, New One, Trinity One, Vic One, UC One, Woodsworth One, SMC155H1, SMC165H1, SMC188Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Book and Media Studies

SMC219Y1 - Media in Culture and Society

Hours: 48L/24T

Designed to acquaint students with the essential notions of media studies, and to promote a conscious utilization of contemporary media. Starting with the preliminary definitions of media, mass, and communications, the student is invited to consider critically the cultural constructs created by modern media, from print to photography, filming, TV, computer and Internet.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

SMC228H1 - Book History and Print Culture

Hours: 36L

An historical introduction to the evolution of printing processes since Gutenberg. Attention is given to topics such as the mechanization of printing, the industrialization of the book chain since the nineteenth century, typography and publishing. Visits to rare book collections are an integral part of the course. Note: this course is not intended as a guide to self-publishing nor as a workshop on book making.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

SMC229H1 - Readers and Readerships**Hours:** 36L

An introduction to the history of reading in western culture, from ancient Greece to the twenty-first century. Attention is given to topics such as the causes and effects of different modes of reading (silent or vocalized, intensive or extensive, educational or escapist), book clubs, censorship, and the ways in which readers have influenced cultural production.

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)**SMC255H1 - Critical Approaches to Media****Hours:** 24L/5T

This course provides students the opportunity to explore the concepts of critical information literacy and critical media literacy in order to develop practical techniques for analyzing media messages and understanding implications of information production, distribution and ownership.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SMC291H1 - Broadcast Media and Culture****Hours:** 24L/12T

A survey of historical and contemporary developments in radio, television, and the internet, and their impact on culture. Lectures examine technological innovations, commercialization, nationalization of the airwaves, government regulation, censorship, ratings & viewership, broadcasting and popular culture, propaganda, and the evolution of the radio-television personality. Examples from Canadian and international media.

Prerequisite: Priority to BMS Students**Recommended Preparation:** SMC219Y1/ SMC228H1/ SMC229H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**SMC300H1 - Special Topics in Book and Media Studies I****Hours:** 24L

Designed to provide for individual half-courses not already covered in the listed range of the Book and Media Studies Program offerings. Students should check the college website for details.

Prerequisite: Priority to BMS students**Recommended Preparation:** SMC219Y1; SMC228H1; SMC229H1**Distribution Requirements:** Humanities**SMC301H1 - Special Topics in Book and Media Studies II****Hours:** 24L

Various topics are taken up each year, the content of which depends on the instructor. Students should check the college website for details.

Prerequisite: Priority to BMS students**Exclusion:** SMC301H1 (Special Topics in Book and Media Studies II: Seriality) completed in Fall 2016; SMC301H1 (Special Topics in Book and Media Studies II: Seriality and Transmedia) completed in Winter 2018**Recommended Preparation:** SMC219Y1; SMC228H1; SMC229H1**Distribution Requirements:** Humanities**SMC314H1 - Media Revolutions****Hours:** 24L

A deeper examination of key cases in the development of media, such as the invention of movable type, the mechanization of the printing press, standardization of call number systems (Dewey, LC, etc.), the advent of radio, television and internet. Topics vary from year to year, according to the instructor.

Recommended Preparation: SMC219Y1; SMC228H1; SMC229H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)

SMC315H1 - The Newspaper in Canadian Society

Hours: 24L/9T

Through lectures, field trips and encounters with major personalities in the print media industry, this course examines the past, present and future of Canadian newspapers at a time when the survival of the industry is at stake. Research projects will focus on the enormous influence of newspapers in Canada's formation, how newspapers are adapting to today's on-line, social media and revenue challenges and how the future might lie with the past.

Recommended Preparation: SMC219Y1; SMC228H1; SMC229H1
Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SMC316H1 - Social Technology and Networks

Hours: 24L

Social media tools and platforms are deeply embedded in our contemporary lives. But what consequences do they have for how we think, how we feel, how we socialize, how we understand ourselves, and how our networked society and culture functions? Students in this course will explore, examine, and debate these questions with reference to their everyday experiences and current examples.

Prerequisite: Enrolment priority for students enrolled in a Book and Media Studies program
Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SMC317H1 - Books, Media, and Music

Hours: 24L

Applying the thought of key media theorists (Innis, McLuhan, Habermas, Fiske, etc.) to the historical symbiosis between music and media, students in this course explore communications from oral storytelling to YouTube, as well as examine the relationship between music and other arts.

Recommended Preparation: SMC219Y1/ SMC228H1/ SMC229H1
Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SMC318H1 - Early Television

Hours: 24L

An exploration of early television programming in the light of critical media theory.

Prerequisite: SMC219Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SMC319H1 - Media Ethics

Hours: 24L

Provides students with a theoretical foundation that enables them to identify and analyze ethical issues in mainstream and non-mainstream media. Traditional principles of journalistic truth-seeking, objectivity, and minimizing harm are revisited in the light of global, interactive media, produced by both citizens and professionals.

Prerequisite: SMC219Y1/ SMC228H1/ SMC229H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

SMC386H1 - Book and Media Internship

Hours: 48P

Credit is offered to a student doing an internship with a media organization formally recognized as a partner of St. Michael's College and the Book and Media Studies Program. A faculty supervisor assesses and assigns the necessary written component cognate to the internship.

Prerequisite: Permission of the Program Coordinator and Principal

Recommended Preparation: SMC219Y1/ SMC228H1/ SMC229H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

SMC387H1 - Advertising and Media**Hours:** 24L

An introduction to advertising and its use in global media. Emphasis is placed on the creative and manipulative character of contemporary advertising, the specialized messaging employed in public life and politics, and the growth of modern agencies for marketing and product promotion.

Prerequisite: SMC219Y1**Corequisite:** None**Exclusion:** None**Recommended Preparation:** None**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SMC397H1 - Religion, Media and Culture****Hours:** 24L

An overview of how religious groups use print and broadcast media to advance their theological, political, social, and economic views. An encounter with Christian, Muslim, Jewish, and South Asian faith groups and their use of newspapers, magazines, radio, television, and the internet. Emphasis on North American religious media, with reference to broadcasting elsewhere.

Prerequisite: Priority to BMS Students**Recommended Preparation:** SMC219Y1/ SMC228H1/ SMC229H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**SMC388Y1 - Independent Study in Book and Media Studies****Hours:** TBA

An independent research project to be proposed by the student and supervised by a full-time faculty member affiliated with the Book and Media Studies Program. Not eligible for CR/NCR option.

Prerequisite: SMC219Y1; SMC228H1; SMC229H1; enrolment in the Major program; approval of Program Director**Distribution Requirements:** Humanities**SMC398H1 - Independent Study in Book and Media Studies****Hours:** TBA

An independent research project to be proposed by the student and supervised by a full-time faculty member affiliated with the Book and Media Studies Program. Not eligible for CR/NCR option.

Prerequisite: SMC219Y1; SMC228H1; SMC229H1; enrolment in the Major program; approval of Program Director**Distribution Requirements:** Humanities**SMC392H1 - Media Identities****Hours:** 24L

An exploration of media's relation to constructions and representations of identity and power across race, gender and class in private and social spheres. Applies a social justice framework to media technologies and industries as mechanisms for socio-political influence on identity and potential vehicles for restoration and evolution of identity.

Recommended Preparation: SMC219Y1/ SMC228H1/ SMC229H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SMC430H1 - Advanced Topics in Book and Media Studies I****Hours:** 24S

A course/seminar on a topic to be determined annually.

Recommended Preparation: SMC219Y1; SMC228H1; SMC229H1**Distribution Requirements:** Humanities**SMC431H1 - Advanced Topics in Book and Media Studies II****Hours:** 24S

A course/seminar on a topic to be determined annually.

Recommended Preparation: SMC219Y1; SMC228H1; SMC229H1**Distribution Requirements:** Humanities

SMC462H1 - Contemporary Issues in Media and Music

Hours: 24S

This seminar explores the digital revolution in music—innovation in production and distribution, mobile devices and changing patterns of listening, and the role of digital media in teaching and learning (secondary orality)—as well as elements of resistance, e.g., the rise of small performance venues, and the revival of vinyl.

Recommended Preparation: SMC317H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

SMC466H1 - Media and Cultural Industries in Canada (formerly Public Broadcasting in Canada)

Hours: 24S

This research seminar focuses on Canadian media and cultural industries and the institutions that shape them. Industries, institutions, and issues to be discussed may include film, television, music, radio, digital games, publishing, social media, the Canadian Broadcasting Corporation, cultural policy and regulation, public and private funding structures, changing conceptions of Canadian content, the influence of American media, digitization, and media labour organizing.

Prerequisite: Enrolment priority for students enrolled Book and Media Studies Major POSt

Recommended Preparation: SMC291H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

SMC463H1 - Media in Education

Hours: 24S

A senior seminar which examines various theories of education to create critical discourse on the role of media in the classroom.

Prerequisite: SMC219Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

SMC464H1 - Church, Ethics, and Media

Hours: 24S

This advanced seminar explores the Catholic Church's use of and reflection on the media of social communication since Vatican II. It brings the key Vatican teaching documents into dialogue with contemporary media ethical theory, and roots the discussion in specific issues and case studies.

Prerequisite: SMC103Y1/ SMC203Y1/ SMC219Y1/ SMC291H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

SMC467H1 - What is Information?

Hours: 24S

What is information? – The relativistic nature of information.

Information as a process, a verb and not a noun. Role of information in the digital age. Information overload and how to deal with it.

Shannon information and the relationship of information to meaning.

Prerequisite: 8.0 FCE completed

Distribution Requirements: Social Science

Breadth Requirements: Creative and Cultural Representations (1)

SMC470H1 - Media Manipulation and History

Hours: 24S

This course assesses way in which governments, political parties, news agencies and other groups and institutions use media to shape particular messages or describe current events. Each week the seminar will focus on a major historical event, the manner in which it was reported and interpreted, and principal challenges to that interpretation. A wide variety of media will be analyzed including: books, newspapers, film, radio, television, and the internet. Events such as the War on Terror, the Great War, the Dreyfus Affair, the Irish Famine, and the "Red Scare" are among some of the topics that will be discussed. Students will prepare unique assignments akin to the work done by communications officers.

Exclusion: SMC430H1S (2015-2016)

Recommended Preparation: SMC219Y1/ SMC228H1/ SMC229H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SMC465H1 - McLuhan

Hours: 24S

An advanced seminar on McLuhan's theory of technology, perception, and social media.

Prerequisite: SMC219Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

Celtic Studies

SMC141Y1 - Introduction to the Irish Language

Hours: 48L/24T

This course in Modern Irish Language is designed for learners with no prior knowledge of the language. The course is intended to introduce students to and provide practice in the four language skills: listening, speaking, reading and writing.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SMC240H1 - The Celts in the Ancient and Medieval World

Previous Course Number: SMC240Y1

Hours: 24L

An introduction to the culture and literature of the Celtic peoples in pre-history and in the Middle Ages.

Prerequisite: None

Exclusion: SMC240Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SMC241H1 - The Celts in the Modern World

Hours: 24L

An introduction to the culture and literature of the modern Celtic nations from 1600 to the present.

Exclusion: SMC240Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SMC242Y1 - An Introduction to Scottish Gaelic

Hours: 48L/24T

An introduction to Scottish Gaelic language and culture. Students will master fundamentals of reading, writing, and the basics of grammar and will begin to speak Gaelic. Proverbs, poetry, songs and folktales introduce students to the language, literature and folklore of Gaelic Scotland and immigrant North America. No prior knowledge of the language is required.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SMC243Y1 - Modern Welsh

Hours: 48L/24T

An introductory course intended to provide a basic speaking and reading knowledge of Modern Welsh. Open to students with no prior experience of Welsh.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SMC250Y1 - Celtic Mythology

Hours: 48L

This course covers the range of the Celtic mythological record from all the Celtic areas through an examination of the archaeological, inscriptional and textual sources. A critical evaluation is offered of various relevant mythic approaches.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

SMC251H1 - Intermediate Irish Language I

Hours: 24L/12T

This course builds on SMC141Y1 Introduction to the Irish Language. It will provide further expansion of the four language skills: listening, speaking, reading and writing.

Prerequisite: SMC141Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SMC252H1 - Intermediate Irish Language II**Hours:** 24L/12T

This course is a continuation of SMC251H1 Intermediate Irish Language I. It will provide further expansion of language skills. We will examine literary texts, both prose and poetry.

Prerequisite: SMC251H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SMC337H1 - Early Celtic History 450-1000****Hours:** 24L

The history of the insular Celtic nation groups from the post-Roman period to the end of the first millennium, the course will trace settlement history and social organization, the making of Celtic nations, the process of Christianization, the impact of the Vikings, and the rise of paramount kings (offered every three years).

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)**SMC333H1 - Special Topics in Celtic Studies****I****Hours:** 24S

Various topics are taken up each year, the content of which depends on the instructor. Students should check the college web site for details.

Prerequisite: Permission of the instructor.**Distribution Requirements:** Humanities**SMC334H1 - Special Topics in Celtic Studies****II****Hours:** 24S

Various topics are taken up each year, the content of which depends on the instructor. Students should check the college web site for details.

Prerequisite: Permission of the instructor.**Distribution Requirements:** Humanities**SMC335Y1 - Special Topics in Celtic Studies****III****Hours:** 48S

Topic varies from year to year, depending on the instructor. Students should check the college web site for details.

Prerequisite: Permission of the instructor.**Distribution Requirements:** Humanities**SMC338H1 - The Celtic Nations in the Later Middle Ages 1000-1550****Hours:** 24L

Later medieval development of Ireland, Scotland and Wales: development of kingship, trade and urban settlement, arrival and colonizing patterns of the Normans, role of English administration and aggression, resurgence of native elites, development of frontier zones, beginning of the more complete English conquest of Ireland and Wales (offered every three years)

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)**SMC341H1 - Global Irish Diaspora****Hours:** 24L

Over 70 million people in the world can claim Irish descent. Since the 17th century, Irish people have voluntarily migrated and have been forcibly transported to a variety of global destinations. This course explores the "push and pull" factors that prompted these migrations and focuses on the diasporic communities created by Irish Catholics and Protestants in Great Britain, Canada, the United States, Continental Europe, the Caribbean, Argentina, South Africa, India, Australia, and New Zealand.

Recommended Preparation: SMC348H1/ SMC378H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)

SMC342Y1 - Literature of Three Nations: Ireland, Scotland and Wales

Hours: 48L

This course examines the way in which modern Irish, Scottish and Welsh writers have responded to the pressures of anglicization and modernization, and discusses literary reactions to social, ethnic and gender issues in contemporary culture.(Offered every three years)

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

SMC347H1 - Traditional Music in Ireland and Scotland

Hours: 24L

From Medieval harp playing to the emergence of reels and jigs during the eighteenth century, this course explores the changes and continuities in traditional music, and its place in contemporary culture.

Prerequisite: Completion of five undergraduate full course equivalents

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SMC343H1 - Medieval Celtic Narratives

Previous Course Number: SMC343Y1

Hours: 24L

Course explores the full range of Celtic narratives, mythic, heroic, romantic, and voyage lore from medieval Ireland and Wales.

Prerequisite: Completion of at least 5.0 FCEs

Exclusion: SMC343Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SMC348H1 - Early Modern Ireland

Hours: 24L

This course focuses on Irish history from the early seventeenth century to the Great Famine of the mid nineteenth century. Topics include the Ulster plantation, Catholic resistance, the Penal Laws, the United Irishmen, the Act of Union, Catholic Emancipation and the Famine.

Prerequisite: Completion of five undergraduate full course equivalents

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

SMC344Y1 - Celtic Archaeology

Hours: 48L

The archaeology of the Celtic peoples, with special reference to settlement patterns and material culture in Great Britain and Ireland.(offered every three years)

Distribution Requirements: Social Science

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

SMC350H1 - Celtic Spirituality

Hours: 24L

The religious culture of the early and mediaeval Celtic Church as manifested in the material and written record, and its significance for contemporary religious movements. Texts studied include the Patrician dossier, early monastic Rules and Liturgies, selected hagiographical, homiletic, devotional and lyric texts.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

SMC346H1 - Celtic Folklore

Hours: 24L

This course examines the relationship between folklore and national identity in Ireland, Scotland and Wales, with special emphasis on storytelling traditions.

Prerequisite: Completion of five undergraduate full course equivalents

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SMC351H1 - The Blasket Island Writings

Hours: 24L

The Blasket Islands lie off the southwest coast of Ireland. This course will examine the important library of books written and orally recorded by the islanders from the 1920s onwards. Special attention will be paid to The Island Man, Peig and Twenty Years a Growing. Texts studied in translation (offered every three years).

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SMC355H1 - Contemporary Celtic Cinema**Hours:** 36L

An exploration of contemporary films of Ireland, Scotland and Wales from 1980 to the present, as they relate to representations of Celtic identity and the formation of national cinema.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SMC375H1 - The Contemporary Irish Novel****Hours:** 24L

This course examines the Irish novel after Joyce. Particular attention is paid to writers such as Molly Keane, Edna O'Brien, Anne Enright, John Banville, Patrick McCabe and Roddy Doyle

Prerequisite: Completion of five undergraduate full course equivalents**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SMC356H1 - The Continental Celts****Hours:** 24L

The course examines the early history of the Celtic peoples in Europe from their first appearance in the material culture of prehistoric Europe to their eventual disappearance as a political power in the first century of Roman conquest (offered every three years; will be offered in 2014-2015).

Recommended Preparation: SMC240Y1/ SMC240H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**SMC376H1 - Irish Canadian Literature****Hours:** 24L

This course examines the ways their Irish background and Canadian experiences influenced Irish writers in Canada, and discusses their impact on Canadian literature. Figures to be studied include nineteenth-century writers such as Isabella Valancy Crawford and Thomas D'Arcy McGee, and more recent writers such as Brian Moore and Emma Donoghue.

Prerequisite: Completion of five undergraduate full course equivalents**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SMC373H1 - Medieval Celtic Poetry****Hours:** 24L

A comparative study of medieval Irish and Welsh poetry - lyric, courtly, saga, bardic, romantic, erotic, monastic, and comedic - from the late sixth century to the end of the Middle Ages. All works will be read in translation.

Exclusion: SMC411H1 (2013-2014)**Recommended Preparation:** SMC240Y1/ SMC240H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SMC377H1 - The Celts in Cape Breton****Hours:** 24L

An examination of the ways in which Scottish, Irish, Newfoundland, and other Celtic immigrants shaped the culture of Cape Breton and by extension Canada, with particular reference to language, literature, music and folklore.

Prerequisite: Completion of five undergraduate full course equivalents**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SMC374H1 - The Celtic Book****Hours:** 24L

A study of the production of manuscripts, books and tracts that played a crucial role in the historical evolution of a national culture or cultures in the Celtic world.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

SMC378H1 - Ireland Since the Famine**Hours:** 24L

This course examines the relationship between nationalism and unionism in post-Famine Ireland, with particular emphasis on the debates over Home Rule, the Irish Revolution and Civil War of 1916-23, the effects of partition, and the Troubles in Northern Ireland.

Prerequisite: Completion of five undergraduate full course equivalents

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

SMC412H1 - Advanced Topics in Celtic Studies II**Hours:** 24S

Various topics are taken up each year, the content of which depends on the instructor. Students should check the college web site for details.

Prerequisite: Permission of the instructor

Distribution Requirements: Humanities

SMC395Y1 - Independent Study in Celtic Studies**Hours:** TBA

A research project chosen by the student in consultation with an instructor and approved by the Program Co-ordinator. Arrangements for the choice of topic and supervisor must be completed by the student before registration. Not eligible for CR/NCR option.

Prerequisite: Approval of Instructor and Program Director

Distribution Requirements: Humanities

SMC413H1 - The Irish in Canada**Hours:** 24S

This course explores the history of Irish migration and settlement in Canada with a special emphasis on political, social, economic and religious themes.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

SMC416H1 - Irish Nationalism in Canada**Hours:** 24S

An in-depth examination of the Fenian underground in Canada during the 1860s, using primary sources to examine such issues as ethno-religious conflict, the relationship between Catholicism and Irish nationalism, and the efforts of the secret police force to infiltrate and undermine the Fenian Brotherhood. Special attention is paid to the ways in which the state responded to the threat posed by Irish revolutionaries who supported an Irish-American invasion of Canada as a means to hit back at the British Empire and pave the way for Irish independence.

Prerequisite: Permission of the instructor

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

SMC396H1 - Independent Study in Celtic Studies**Hours:** TBA

A research project chosen by the student in consultation with an instructor and approved by the Program Co-ordinator. Arrangements for the choice of topic and supervisor must be completed by the student before registration. Not eligible for CR/NCR option.

Prerequisite: Approval of Instructor and Program Director

Distribution Requirements: Humanities

SMC411H1 - Advanced Topics in Celtic Studies I**Hours:** 24S

Various topics are taken up each year, the content of which depends on the instructor. Students should check the college web site for details.

Prerequisite: Permission of the instructor

Distribution Requirements: Humanities

SMC440H1 - Middle Welsh**Previous Course Number:** SMC440Y1**Hours:** 24L

Middle Welsh, the native Celtic language of medieval Wales, was for centuries the language in which the Welsh celebrated their medieval princes and ancestral heroes, was the medium for the preservation of native British legend and Welsh law, and was the vehicle for the earliest narratives of Arthur. Students will be introduced to reading and translating Middle Welsh, and by the course's end will have read one complete text of Middle Welsh literature in the original. Students will learn Welsh specifically but will also learn the characteristic linguistic features of a Celtic language. No prior knowledge of Welsh or any other Celtic language is assumed.

Prerequisite: Permission of the instructor**Exclusion:** SMC440Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SMC445H1 - Directed Research in Middle Welsh****Previous Course Number:** SMC440Y1**Hours:** 24S

In this course the student will gain practical experience assisting the instructor on an original research project in Middle Welsh. The course is designed to follow on SMC440H1 and will involve transcribing and translating a Middle Welsh text from a facsimile of a Middle Welsh manuscript. The student will gain experience in reading and transcribing from a medieval manuscript, in preparing original translations from a medieval Welsh text and in working with the principal scholarly aids used by professional researchers in the field.

Prerequisite: SMC440H1; permission of instructor**Exclusion:** SMC440Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SMC441Y1 - Old and Middle Irish****Hours:** 48L

An introduction to Old and Middle Irish language and literature from the 7th to the 11th century.

Prerequisite: Permission of instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SMC451Y1 - Senior Essay in Celtic Studies****Hours:** TBA

A scholarly project chosen by the student in consultation with an instructor and approved by the Program Co-ordinator. Arrangements for the choice of topic must be completed by the student before registration.

Prerequisite: Permission of instructor**Distribution Requirements:** Humanities**SMC444H1 - The Great Irish Famine in an International Context****Hours:** 24S

An examination of the Great Irish Famine, 1845-1851, in its economic, political, social, demographic and religious dimensions and issues of collective and created memory. By use of manuscript and routinely generated records students will explore mass migration from Ireland to Britain, the Americas, and the Antipodes.

Recommended Preparation: SMC348H1/ SMC378H1/ HIS263Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**Christianity & Culture****SMC120H1 - Catholicism in Conversation****Hours:** 24L/12T

What is Catholicism, as an idea, as a social movement, as an object of scorn, devotion or delight? What meaning does Catholic tradition have in the contemporary world? This seminar explores these and similar questions through lectures and conversations with diverse scholars—faculty, fellows and friends—of the St. Michael's College community.

Exclusion: SMC103Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)

SMC200H1 - Christianity and the Arts**Hours:** 24L/12T

This course introduces students to creative works from throughout the global Christian tradition. The course explores the complex relationships that exist between religious and aesthetic imperatives, between theological and material sources, between beauty and suffering, and between artists and their patrons and audiences.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SMC203Y1 - Christianity and Society Through the Ages****Hours:** 48L/24T

This course explores the historical engagement of various Christian traditions with the prevailing political, social, and ethnic cultures in the western world and beyond. Students will also examine the development of Christianity as it confronts changes in the symbolic and intellectual universes from antiquity to post-modernity.

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3); Thought, Belief and Behaviour (2)**SMC215H1 - Varieties of Christian Community****Hours:** 24S

Christian history has been characterized by an enduring and fruitful search for forms of religious community. This course surveys some communal attempts to express Christianity, monasticism, forms of common life for clerics, the Mendicants, lay confraternities, religious orders, and contemporary lay movements.

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)**SMC218H1 - Christianity and Education****Hours:** 24L

An exploration of pedagogy and child development theory, with a particular focus on the way Christians have employed these educational techniques historically. Attention will be given to the diversity of institutions and approaches to curriculum development across Christian history.

Distribution Requirements: Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**SMC232H1 - Christianity and Science****Hours:** 24L

This course examines different models of relating Christianity and Science. Beginning with the biblical view on the natural world and moving to the present, the lectures develop a wide range of approaches.

Distribution Requirements: Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**SMC303H1 - Global Christianities****Hours:** 24L/12T

An advanced introduction to the diverse traditions and movements of contemporary Christianity, with special emphasis on the global South. Sample topics include new ecclesial communities, the rise of Pentecostalism and independent churches, liberation and indigenized theologies, and new forms of martyrdom in the 21st century.

Prerequisite: Completion of 4.0 FCEs**Exclusion:** SMC204H1; SMC207H1; SMC209H1**Recommended Preparation:** SMC203Y1; SMC215H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**SMC304H1 - Christianity, Law and Society****Hours:** 24L

An examination of Canon Law; the process by which it came into being, and its impact on contemporary culture. Premises and techniques of ecclesial law-making are compared to those of other systems of legislation. Specific sections of the Code of Canon Law are examined.

Prerequisite: Completion of 4.0 FCEs**Recommended Preparation:** SMC203Y1; SMC215H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)

SMC305H1 - Christianity and Popular Culture**Hours:** 36L

An examination of both overt and covert representations of Christian ideas in contemporary popular media. We examine the ways in which Christian themes have been appropriated and subverted in mass media, while also examining the innovative ways these themes, such as redemption, sacrifice, vocation, and hope, are presented anew.

Prerequisite: Completion of 4.0 FCEs**Recommended Preparation:** SMC200H1/ SMC367H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SMC308H1 - Marriage and the Family in the Catholic Tradition****Hours:** 24L

A close reading of the Code of Canon Law touching on the themes of marriage and the family; relationship to other fundamental Church statements (e.g. Familiaris Consortio); examination of issues raised by opposition between church teaching and other views.

Prerequisite: Completion of 4.0 FCEs**Recommended Preparation:** SMC203Y1; SMC215H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**SMC306H1 - The Catechism of the Catholic Church****Previous Course Number:** SMC310H1**Hours:** 24L

Introduces students to the Catechism of the Catholic Church (1994) and its antecedents. After an historical survey of religious instruction in the Church, the students will engage in a close reading of selected sections of the Catechism of the Catholic Church.

Prerequisite: Completion of 4.0 FCEs**Exclusion:** SMC310H1**Recommended Preparation:** SMC203Y1; SMC215H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**SMC309H1 - Christianity and Politics****Hours:** 24L/12T

This course explores developments in the relations between the Catholic Church and the states of Western Europe and America from the Enlightenment to the present. Of particular concern is Catholicism's response to the political theories of the Enlightenment, the secularization of the state and social justice issues.

Prerequisite: Completion of 4.0 FCEs**Recommended Preparation:** SMC203Y1; SMC215H1; HIS241H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**SMC307H1 - Scripture in Christian Tradition****Hours:** 24L/12T

The formation and content of the Christian Bible; an introduction to the history of its interpretation and of the role it has played and continues to play in Christian life and culture.

Prerequisite: Completion of 4.0 FCEs**Exclusion:** SMC307Y1**Recommended Preparation:** SMC203Y1; SMC215H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**SMC311H1 - Why the Church****Hours:** 24S

The Catholic Church claims to be the continuation of the event of Christ in history, the guarantor of the authenticity of each person's encounter with Christ, and the means by which His memory may be cultivated. The course examines the reasons for these claims and the forms they have taken.

Prerequisite: Completion of 4.0 FCEs**Recommended Preparation:** SMC200H1/ SMC327H1/
SMC367H1/ SMC368H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)

SMC312H1 - Catholicism and Education**Hours:** 24S

The Catholic Church has developed a distinctive approach to the pedagogical enterprise. This course explores aspects of this approach by an examination of canonical legislation and other texts published by ecclesiastical authorities and their application in Canada.

Prerequisite: Completion of 4.0 FCEs**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**SMC330H1 - Christ in Christian Tradition****Hours:** 24L/12T

Faith in Christ is central to Christianity. This course offers an advanced introduction to classical debates about the person and work of Christ, the modern Quest of the Historical Jesus, and selected feminist, liberationist and indigenized perspectives on Christ from Asia, Africa and Latin America.

Prerequisite: Completion of 4.0 FCEs**Exclusion:** SMC330Y1**Recommended Preparation:** SMC203Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**SMC313H1 - Catholic Education in Ontario****Hours:** 24L

An historical appraisal of the evolution of Catholic schools, universities, and catechetical education in Ontario. Special emphasis is placed on the evolution of Ontario's separate school system.

Prerequisite: Completion of 4.0 FCEs**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**SMC362H1 - International Development, Justice, and Human Dignity****Previous Course Number:** SMC362Y1**Hours:** 24L

This seminar raises critical questions of social justice and international development from diverse religious and disciplinary perspectives. It is required preparation for the international community-engaged learning course, SMC453H1 Development and Justice Internship.

Prerequisite: Completion of 4.0 FCEs and permission of instructor**Exclusion:** SMC362Y1**Recommended Preparation:** SMC203Y1/ SMC215H1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**SMC322H1 - Women and Christianity****Hours:** 24S

An exploration of what Pope John Paul II, among others, called the "feminine tradition" in Christian life and thought. Possible topics include women's roles in the early church, Marian dogmas and devotions, women mystics and Doctors of the Church, and Christian feminisms and New Feminisms in the contemporary period.

Prerequisite: Completion of 4.0 FCEs**Recommended Preparation:** SMC203Y1/ SMC215H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**SMC364H1 - The Christian Book****Hours:** 24L

An interdisciplinary examination of the Bible as artifact and as an index of culture, art, and language. Topics include: the mediaeval giant Bibles, illuminated and illustrated Bibles, the Gutenberg Bible, The King James Bible, the Bible industry, the Bible online, the Bible as sacred object, sacred language and vernacular.

Prerequisite: Completion of 4.0 FCEs**Recommended Preparation:** SMC200H1/ SMC228H1/**SMC229H1/ SMC367H1****Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SMC327H1 - Ritual and Worship****Hours:** 24L/12T

An introduction to Christian ritual and worship, in cross-cultural and ecumenical perspective. Biblical roots, historical development and diverse adaptions of Christian worship in Europe, North America and the global South.

Prerequisite: Completion of 4.0 FCEs**Exclusion:** SMC216Y1**Recommended Preparation:** SMC203Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)

SMC365H1 - Christianity, Art, and Architecture

Hours: 24L/12T

An exploration of visual arts and architecture as mediums for expressing Christian faith. The course will examine notable developments in Christian history, the proliferation of new forms in the contemporary period, and important local works, such as the Donovan Collection and/or the rich legacy of church architecture in the GTA.

Prerequisite: Completion of 4.0 FCEs

Recommended Preparation: SMC203Y1/ SMC200H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SMC369H1 - Christianity and Music

Previous Course Number: SMC206H1

Hours: 24L

The various roles given music in Christian tradition and the impact of Christianity on Western music. Case studies from Gregorian chant to the present illustrate major issues (sacred vs. profane, acceptable styles or instruments, text and music, emotion and rationalism) to provide a critical vocabulary applicable to present works. Some background in music is required.

Prerequisite: Completion of 4.0 FCEs

Exclusion: SMC206H1

Recommended Preparation: SMC203Y1; SMC215H1; SMC200H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SMC367H1 - Christianity, Literature, and Theatre

Previous Course Number: SMC201H1

Hours: 24L

This course introduces students to works of literary and dramatic arts from throughout the global Christian tradition. The course explores the complex relationships that exist between religious, narrative, and performative imperatives; between theological and cultural sources; between authority and experience; and between writers, playwrights, and their readerships and audiences.

Prerequisite: Completion of 4.0 FCEs

Exclusion: SMC201H1

Recommended Preparation: SMC203Y1; SMC215H1; SMC200H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SMC370H1 - The Bible and Biology

Hours: 24L/12T

Episodes and issues in the development of biology, genetics and evolutionary theory in relation to Christian understandings of the natural world, the human person, and God. Possible topics include genetic determinism, mind and intelligence, gender, reproductive technologies, cosmology and ecology.

Prerequisite: Completion of 4.0 FCEs

Recommended Preparation: SMC203Y1/ SMC232H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

SMC371H1 - Faith and Physics

Hours: 24L

The complex interplay between religious belief, culture, and the emergence of modern physical theory: rise and fall of mechanistic theories, relativity, particle physics and models of the Universe, Big Bang theory and Black Holes, etc.

Prerequisite: Completion of 4.0 FCEs

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

SMC368H1 - Varieties of Christian Experience

Previous Course Number: SMC205H1

Hours: 24L

Exploration of the variety of forms which Christian personal experience has taken in the course of history (martyrdom, mysticism, monasticism, sanctification of ordinary life, etc.) in order to appreciate their variety, complexity, and deep unity.

Prerequisite: Completion of 4.0 FCEs

Exclusion: SMC205H1

Recommended Preparation: SMC203Y1; SMC215H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

SMC372H1 - The Catholic Church in Canada

Previous Course Number: SMC320H1
Hours: 24L

An exploration of the historical development of Catholic communities and institutions in all regions of Canada since the 16th century. Emphasis placed on themes of mission, church-state relations, ethnicity, belief and practice, social justice, gender, and secularization.

Prerequisite: Completion of 4.0 FCEs
Exclusion: SMC320H1
Recommended Preparation: SMC203Y1
Distribution Requirements: Humanities
Breadth Requirements: Society and its Institutions (3)

SMC383H1 - God and Geometry

Previous Course Number: SMC233H1
Hours: 24L

This course engages controversial issues in the natural sciences of importance to Christian faith, with particular emphases on their ancient and the medieval origins and enactments. Examples include: Harmony vs. Chaos, Creation vs. Evolution, Free Will vs. Determinism, Reason vs. Revelation, Miraculous vs. Natural Causation.

Prerequisite: Completion of 4.0 FCEs
Exclusion: SMC233H1
Recommended Preparation: SMC203Y1; SMC232H1
Distribution Requirements: Humanities
Breadth Requirements: Thought, Belief and Behaviour (2)

SMC379H1 - Major Christian Thinkers

Previous Course Number: SMC208Y1
Hours: 24L/12T

An advanced introduction to the Christian intellectual tradition through a study of key figures from several different historical periods and cultural contexts. Selected authors discuss a range of religious, intellectual and social issues, from foundational Christian beliefs to the challenges of modern, post-modern and secular cultures.

Prerequisite: Completion of 4.0 FCEs
Exclusion: SMC208Y1
Recommended Preparation: SMC203Y1; SMC215H1
Distribution Requirements: Humanities
Breadth Requirements: Thought, Belief and Behaviour (2)

SMC384H1 - Music and Liturgy

Previous Course Number: SMC363H1
Hours: 24L

An exploration of the place of music in Christian worship, with a focus on contemporary Eucharist. Examination of the development of liturgico-musical principles and their practical implementation. Topics may include styles and repertoires, singing liturgical texts, hymnody and other forms of congregational singing, choirs and cantors, the use of instruments.

Prerequisite: Completion of 4.0 FCEs
Exclusion: SMC363H1
Recommended Preparation: SMC203Y1; SMC215H1; SMC369H1; SMC327H1
Distribution Requirements: Humanities
Breadth Requirements: Creative and Cultural Representations (1)

SMC382H1 - Literature and the Christian Child

Previous Course Number: SMC217H1
Hours: 24L/12T

An exploration of connections between a child's moral development and literature in Christian traditions. We examine literary, historical and philosophical developments appropriate to the child's imagination. The course will include the study of poems, catechetical materials, novels and other texts written for children.

Prerequisite: Completion of 4.0 FCEs
Exclusion: SMC217H1
Recommended Preparation: SMC203Y1; SMC215H1; SMC200H1
Distribution Requirements: Humanities
Breadth Requirements: Creative and Cultural Representations (1)

SMC390Y1 - Independent Studies in Christianity and Culture

Hours: TBA

A concluding course in Christianity and Culture, providing an opportunity to synthesize insights acquired during the course of the program (enrolment subject to availability of a supervisor). Not eligible for CR/NCR option.

Prerequisite: Completion of 4.0 FCEs and written approval of Program Director
Distribution Requirements: Humanities

SMC391H1 - Independent Studies in Christianity and Culture

Hours: TBA

Independent Studies in Christianity and Culture. Not eligible for CR/NCR option.

Prerequisite: Completion of 4.0 FCEs and written approval of Program Director

Distribution Requirements: Humanities

SMC456H1 - Indian Christianity

Hours: 24S

An advanced study of the historical development, major theological writings and contemporary ethnographic studies of diverse Christian traditions in South Asia. Topics to be covered include the legacy of Thomas Christianity, Hindu-Christian dialogue, the Christian ashram movement, liturgical inculturation and religious hybridity.

Prerequisite: Completion 8.0 FCEs

Recommended Preparation: SMC203Y1; SMC303H1; RLG203H1 and/or RLG205H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

SMC433Y1 - Independent Studies in Christianity and Culture

Hours: TBA

An independent research project to be proposed by the student and supervised by a Christianity and Culture faculty member. The student, in consultation with the faculty member, may choose either a one-term (H) or a two-term (Y) project. Not eligible for CR/NCR option.

Prerequisite: Completion of 8.0 FCEs; permission of Program Director

Distribution Requirements: Humanities

SMC472H1 - Research Seminar in Christianity and Culture

Previous Course Number: SMC472Y1

Hours: 24S

The seminar provides majors in their final year of study with the opportunity to pursue advanced research projects in Christianity and Culture.

Prerequisite: Completion of 8.0 FCEs

Exclusion: SMC472Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

SMC434H1 - Independent Studies in Christianity and Culture

Hours: TBA

An independent research project to be proposed by the student and supervised by a Christianity and Culture faculty member. The student, in consultation with the faculty member, may choose either a one-term (H) or a two-term (Y) project. Not eligible for CR/NCR option.

Prerequisite: Completion of 8.0 FCEs; permission of Program Director

Distribution Requirements: Humanities

Mediaeval Studies

SMC175H1 - Mediaeval Civilization

Hours: 24L/12T

An interdisciplinary course to introduce students to the rich culture of the European mediaeval period (from 500 to 1500). Students will examine the Middle Ages by means of its art, literature, philosophy, liturgy, historiography, and music. A chronological overview will introduce students to the basic historical shape of the period.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

SMC176Y1 - Mediaeval Latin I**Hours:** 72L

An introduction to the Latin language based on mediaeval Latin sources, principally the Vulgate Bible, texts from the Latin school curriculum, and the Latin liturgy. The course comprises a survey of Latin morphology and basic vocabulary.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1); Thought, Belief and Behaviour (2)**SMC213H1 - Dante and the Christian Imagination****Hours:** 24L

A study of selections from various works by Dante as an expression of the medieval imagination, viewed against the background of medieval Christian doctrine and psychology and in relation to various contemporary approaches to the study of medieval Christian culture.

Distribution Requirements: Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**SMC210H1 - The Early Mediaeval Tradition****Hours:** 24L/12T

An introduction to the thought and culture of early mediaeval Europe. Students are introduced to important monuments of early mediaeval History, Thought, Literature, and Art. They follow some of the common threads that run through these disciplines and explore chief expressions of early mediaeval life and thought.

Recommended Preparation: SMC175H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**SMC222H1 - Mediaeval Latin II****Hours:** 48S

This course studies a selection of mediaeval Latin prose and poetry. Emphasis is on the linguistic differences between mediaeval Latin and its classical antecedent, especially in regard to vocabulary, grammar and orthography. A review of Latin grammar is part of the course.

Prerequisite: SMC176Y1 or LAT102H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SMC211H1 - The Middle Ages and the Movies****Hours:** 24L/12T

This course examines the ways mediaeval themes have been presented in the cinema over the last century by taking exemplary films from different countries and epochs. The purpose is to explore each on three levels: the mediaeval reality, the subsequent legendary or literary elaboration, and the twentieth-century film rendition, regarded equally as work of art, ideology and economic product.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SMC226H1 - King Arthur****Hours:** 24L

A survey of the Arthurian legends from the earliest Latin histories through selected Welsh, French and German Romances to the English-language classic, Morte d'Arthur of Malory. Emphasis will be on reading the primary sources (in translation).

Prerequisite: Completion of five undergraduate full course equivalents**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SMC212H1 - The Later Mediaeval Tradition****Hours:** 24L/12T

An introduction to the thought and culture of later mediaeval Europe. Students are introduced to important monuments of later mediaeval History, Thought, Literature, and Art. They follow some of the common threads that run through these disciplines and explore chief expressions of later mediaeval life and thought.

Recommended Preparation: SMC175H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**SMC323H1 - Mediaeval Latin III****Hours:** 48S

Through the close reading of fewer but longer texts than in SMC222H1, this course gives students a deepened acquaintance with the linguistic features of mediaeval Latin, as well as with its literature, and generic and stylistic conventions. A solid foundation in basic Latin morphology, syntax and vocabulary is assumed.

Prerequisite: LAT202H1/ SMC222H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

SMC324H1 - The Study of the Bible in the Middle Ages

Hours: 24L/12T

This course explores mediaeval biblical commentary and the various approaches taken by the exegetes to uncover the secrets of the sacred page, for instance through the four senses of Scripture: history, allegory, tropology, and anagogy.

Recommended Preparation: SMC210H1/ SMC212H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

SMC359H1 - Mediaeval Theology

Hours: 24L

An introduction to the discipline of theology as taught in the mediaeval schools. Building on a basic knowledge of Christian scriptures and of philosophical argument, this course will offer an organic exposition of mediaeval theology, together with an introduction into the scientific method of theological investigation as practised in the Middle ages.

Recommended Preparation: SMC210H1/ SMC212H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

SMC326H1 - Mediaeval Music: thought and practice

Hours: 24L

An introduction to musical theory and practice in the middle ages: sacred and secular music, monophony and polyphony, performers and patrons, notation and orality. No prior background in music or ability to read music is required.

Prerequisite: SMC203Y1/ SMC206H1/ SMC210H1/ SMC212H1/
MUS111H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SMC361H1 - Mediaeval Law

Hours: 24S

Mediaeval jurisprudence combines the high technical quality of Roman law with the requirements of Christianity. The seminar provides an overview of the development of mediaeval learned jurisprudence; select texts from Roman and canon law, with their glosses, are read in order to explore more specifically the methods and concerns of mediaeval jurists.

Recommended Preparation: HIS220Y1/ SMC210H1/ SMC212H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

SMC358H1 - The Mediaeval Book

Hours: 24S

This course examines the most salient aspects of mediaeval manuscript culture. We will study, first, how the parchment for books was folded, pricked, ruled and bound, and second, what scripts were employed in the different codices. We will also examine the various types of books made in the Middle Ages and the challenges they pose to modern scholars.

Recommended Preparation: LAT102H1; SMC210H1/ SMC212H1 or a course in mediaeval history.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SMC406H1 - Mediaeval Seminar II

Hours: 12T/24S

A fourth-year seminar on a topic to be determined annually.

Prerequisite: Permission of the instructor

Recommended Preparation: SMC210H1/ SMC212H1 or other medieval courses

Distribution Requirements: Humanities

SMC407Y1 - Mediaeval Seminar I

Hours: 24T/48S

A fourth-year seminar on a topic to be determined annually.

Prerequisite: Permission of the instructor

Recommended Preparation: SMC210H1/ SMC212H1 or other mediaeval courses

Distribution Requirements: Humanities

SMC435H1 - Independent Studies in Mediaeval Studies

Hours: TBA

An independent research project to be proposed by the student and supervised by a member of faculty affiliated with the Mediaeval Studies Program. Not eligible for CR/NCR option.

Prerequisite: Ten full courses

Distribution Requirements: Humanities

SMC436H1 - Mediaeval Latin IV

Hours: 24S

This seminar explores in depth a single mediaeval Latin text, or a series of texts connected by a theme. Readings in the original Latin will be discussed and commented on by students. A solid foundation in Latin morphology, syntax and vocabulary is assumed.

Prerequisite: SMC323H1

Recommended Preparation: SMC210H1/ SMC212H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Christianity & Culture: Major Program in Religious Education Courses

SMC471H1 - Internship

Hours: TBA

Arranged by each student in consultation with faculty, the internship enables teacher candidates to integrate, extend and deepen their learning experiences in a way not otherwise available in the program. Those wishing to take this course must have their program approved by the Program Director. Not eligible for CR/NCR option.

Prerequisite: Enrolment in Christianity and Culture CTEP Major

Distribution Requirements: Social Science

Other SMC Courses

SMC299Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

SMC380H1 - St. Michael's College Independent Studies

Hours: TBA

An opportunity for students to pursue an independent course of study not otherwise available in the Faculty of Arts and Science. Not eligible for CR/NCR option.

Prerequisite: Permission of the Principal of St. Michael's College. Normally restricted to students who have completed at least ten full courses with a CGPA of at least 2.5. Application forms are available in the St. Michael's College Principal's Office. A completed application signed by the student and by the supervising instructor must be submitted to the St. Michael's College Principal's Office for approval; at least one month before the beginning of the semester.

SMC381Y1 - St. Michael's College Independent Studies

Hours: TBA

An opportunity for students to pursue an independent course of study not otherwise available in the Faculty of Arts and Science. Not eligible for CR/NCR option.

Prerequisite: Permission of the Principal of St. Michael's College. Normally restricted to students who have completed at least ten full courses with a CGPA of at least 2.5. Application forms are available in the St. Michael's College Principal's Office. A completed application signed by the student and by the supervising instructor must be submitted to the St. Michael's College Principal's Office for approval; at least one month before the beginning of the semester.

SMC480H1 - St. Michael's College Independent Studies

Hours: TBA

An opportunity for students to pursue an independent course of study not otherwise available in the Faculty of Arts and Science. Not eligible for CR/NCR option.

Prerequisite: Permission of the Principal of St. Michael's College. Normally restricted to students who have completed at least fifteen full courses with a CGPA of at least 2.5. Application forms are available in the St. Michael's College Principal's Office. A completed application signed by the student and by the supervising instructor must be submitted to the St. Michael's College Principal's Office for approval at least one month before the beginning of the semester.

SMC385H1 - Multicultural Toronto by the Numbers

Hours: 24L/24T

An introduction to research methods in the Humanities focusing on quantification, the use of routinely generated records, forensic analysis, and data collection and analysis. Critique of these methods. The course focuses on multiculturalism and ethnicity in Toronto. Students will reconstruct the life of immigrant, religious, and occupational groups in the city by use of municipal assessment records, the censuses of 1901 and 1911, church records, newspapers, maps, city directories, and online databases.

Prerequisite: Students must be registered in major or specialist programs in SMC/SLA/FRE/GER/ITA.

Distribution Requirements: Humanities

SMC481Y1 - St. Michael's College Independent Studies

Hours: TBA

An opportunity for students to pursue an independent course of study not otherwise available in the Faculty of Arts and Science. Not eligible for CR/NCR option.

Prerequisite: Permission of the Principal of St. Michael's College. Normally restricted to students who have completed at least fifteen full courses with a CGPA of at least 2.5. Application forms are available in the St. Michael's College Principal's Office. A completed application signed by the student and by the supervising instructor must be submitted to the St. Michael's College Principal's Office for approval at least one month before the beginning of the semester.

SMC399Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

SMC457H1 - Directed Research

Hours: 24S

Based on a professor's research project currently in progress, this course will enable an undergraduate student to play a useful role in the project while receiving hands-on training in research. Not eligible for CR/NCR option.

Prerequisite: Permission of Department

Distribution Requirements: Humanities

Mark S. Bonham Centre for Sexual Diversity Studies

Faculty List

Associate Professor & Program Director
D. Seitler, MA, PhD

Assistant Professor
J. Moreau, MA, PhD

Assistant Professor, Teaching Stream
S. Rayter, MA, PhD

Lecturer & Undergraduate Director
D. Kojima, MA, PhD

Introduction

The Sexual Diversity Studies program (Specialist, Major, Minor) enables students to explore, analyze, and challenge the ways in which sexuality shapes people's lives in both local and global contexts. The program provides vibrant interdisciplinary scholarship and academic learning on the historical and contemporary formations of sexual practices at the intersections of race, class, gender, disability, and citizenship status, among other social relations and processes. Our courses are designed to foster critical conversations of queer and normative sexualities; the formation of sexual, racial, and gender, and gender-non-conforming personhood; and the role of sexuality in culture and politics both in North America and transnationally.

Enquiries: sexual.diversity@utoronto.ca

Sexual Diversity Studies Programs

Sexual Diversity Studies Specialist (Arts Program) - ASSPE1240

Description:

The Sexual Diversity Studies program (Specialist, Major, Minor) enables students to explore, analyze, and challenge the ways in which sexuality shapes people's lives in both local and global contexts. The program provides vibrant interdisciplinary scholarship and academic learning on the historical and contemporary formations of sexual practices at the intersections of race, class, gender, disability, and citizenship status, among other social relations and processes. Our courses are designed to foster critical conversations of queer and normative sexualities; the formation of sexual, racial, and gender, and gender-non-conforming personhood; and the role of sexuality in culture and politics both in North America and transnationally.

Enrolment Requirements:

The Sexual Diversity Studies Specialist and Major are Type 1 programs requiring the completion of 4.0 FCE for enrolment.

Completion Requirements:

(10 full courses or their equivalent, including 4.0 FCE at the 300+ level, 1.0 of which must be at the 400-level.)

1. One course from: [WGS160Y1](#), [NEW240Y1](#), or [HIS222H1](#). Students may substitute with another introductory course that emphasizes intersectionality of sexuality, with the approval of the Director or Undergraduate Director.

2. SDS Foundational Courses (1.5 FCE):

- [SDS255H1: Histories of Sexuality](#)
- [SDS256H1: Methods in Sexual Diversity Studies](#)
- [SDS355H1: Theories of Sexuality](#)

3. Thematic Clusters (3.0 FCE): 1.0 FCE from each of the three Thematic Clusters.

- Politics & Policy
[JSU237H1](#), [SDS345H1](#), [SDS365H1](#), [JPS378H1](#), [SDS378H1](#), [SDS390H1](#), [JPS315H1](#), [SDS425H1](#)
- Formations & Practices
[SDS377H1](#), [SDS380H1](#), [SDS381H1](#), [SDS382H1](#), [SDS385H1](#), [JNS450H1](#), [SDS465H1](#), [SDS477H1](#),
- Media & Aesthetics
[ENG273Y1](#), [JSU325H1](#); [SDS346H1](#); [SDS279H1](#)/
[SDS379H1](#), [SDS470H1](#), [SDS478H1](#)

4. Capstone: [SDS460Y1](#)

5. Other Electives (3.5-4.0 FCE): Remaining credits selected from the SDS Electives Group

[ANT343H1](#), [ANT366H1](#), [ANT441H1](#), [ANT456H1](#), [ANT462H1](#), [CIN213H1](#), [CIN330Y1](#), [CRI380H1](#), [CRI387H1](#), [ENG235H1](#), [ENG254Y1](#), [ENG273Y1](#), [ENG355H1](#), [ENG364H1](#), [ENG365H1](#), [ENG382Y1](#), [ENG384Y1](#), [FRE304H1](#), [GGR327H1](#), [GGR363H1](#), [GGR456H1](#), [HIS202H1](#), [HIS222H1](#), [HIS348H1](#), [HIS363H1](#), [HIS383H1](#), [JAL355H1](#), [JNH350H1](#), [JNS450H1](#), [JPR364H1](#), [JPS315H1](#), [JSU237H1](#), [JSU325H1](#), [NEW240Y1](#), [NEW241H1](#), [NEW341H1](#), [NEW344H1](#), [NEW349H1](#), [NEW449H1](#), [PHL243H1](#), [PHL271H1](#), [PHL367H1](#), [POL482H1](#), [PSY323H1](#), [RLG235H1](#), [RLG313H1](#), [SDS255H1](#), [SDS256H1](#), [SDS345H1](#), [SDS346H1](#), [SDS354H1](#), [SDS355H1](#), [SDS365H1](#), [SDS375H1](#), [SDS376H1](#), [SDS377H1](#), [SDS378H1](#), [SDS379H1](#), [SDS380H1](#), [SDS381H1](#), [SDS382H1](#), [SDS390H1](#), [SDS455H1](#), [SDS456Y1](#), [SDS457H1](#), [SDS458H1](#), [SDS459Y1](#), [SDS460Y1](#), [SDS470H1](#), [SDS477H1](#), [SDS478H1](#), [SDS485H1](#), [SDS490Y1](#), [SOC214Y1](#), [SOC309Y1](#), [SOC365H1](#), [SOC367H1](#), [SOC410H1](#), [VIC343Y1](#), [VIC352Y1](#), [WGS160Y](#), [WGS350H1](#), [WGS365H1](#), [WGS367H1](#), [WGS368H1](#), [WGS369H1](#), [WGS374H1](#).

Other courses, such as Special Topics courses in other Departments or Programs, may be approved by the Director or Undergraduate Director on an individual basis. Students are responsible for checking co- and prerequisites for courses from the SDS Electives Group.

Sexual Diversity Studies Major (Arts Program) - ASMAJ1240

Description:

The Sexual Diversity Studies program (Specialist, Major, Minor) enables students to explore, analyze, and challenge the ways in which sexuality shapes people's lives in both local and global contexts. The program provides vibrant interdisciplinary scholarship and academic learning on the historical and contemporary formations of sexual practices at the intersections of race, class, gender, disability, and citizenship status, among other social relations and processes. Our courses are designed to foster critical conversations of queer and normative sexualities; the formation of sexual, racial, and gender, and gender-non-conforming personhood; and the role of sexuality in culture and politics both in North America and transnationally.

Enrolment Requirements:

The Sexual Diversity Studies Major is a Type 1 program requiring the completion of 4.0 FCE for enrolment.

Completion Requirements:

(6 full courses or their equivalent including at least 2.5 FCEs at the SDS 300+ level, 1.0 of which must be at the 400-level)

- One course from: WGS160Y1, NEW240Y1, or HIS222H1. Students may substitute with another introductory course that emphasizes intersectionality of sexuality, with the approval of the Director or Undergraduate Director.

2. 1.0 FCE from the SDS Foundational Courses:

- SDS255H1: Histories of Sexuality
- SDS256H1: Methods in Sexual Diversity Studies
- SDS355H1: Theories of Sexuality

3. Thematic Clusters (1.5 FCE): 0.5 FCE from each of the three Thematic Clusters, with at least 0.5 FCE at 400-level.

- Politics & Policy
JSU237H1, SDS345H1, SDS365H1, JPS378H1, SDS378H1, SDS390H1, JPS315H1, SDS425H1
- Formations & Practices
SDS377H1, SDS380H1, SDS381H1, SDS382H1, SDS385H1, JNS450H1, SDS465H1, SDS477H1,
- Media & Aesthetics
ENG273Y1, JSU325H1, SDS346H1, SDS279H1/
SDS379H1, SDS470H1, SDS478H1

4. Capstone requirement (a minimum of 0.5 FCE from the following list):

All 400-level SDS and JNS courses, including: SDS457H1; SDS458H1; SDS459Y1; SDS460Y1; SDS485H1; and SDS490Y1

5. Other Electives (1.5-2.5 FCE): Remaining credits from the SDS Electives Group.

ANT343H1, ANT366H1, ANT441H1, ANT456H1, ANT462H1, CIN213H1, CIN330Y1, CRI380H1, CRI387H1, ENG235H1, ENG254Y1, ENG273Y1, ENG355H1, ENG364H1, ENG365H1, ENG382Y1, ENG384Y1, FRE304H1, GGR327H1, GGR363H1, GGR456H1, HIS202H1, HIS222H1, HIS348H1, HIS363H1, HIS383H1, JAL355H1, JNH350H1, JNS450H1, JPR364H1,

JPS315H1, JSU237H1, JSU325H1, NEW240Y1, NEW241H1, NEW341H1, NEW344H1, NEW349H1, NEW449H1, PHL243H1, PHL271H1, PHL367H1, POL482H1, PSY323H1, RLG235H1, RLG313H1, SDS255H1, SDS256H1, SDS345H1, SDS346H1, SDS354H1, SDS355H1, SDS365H1, SDS375H1, SDS376H1, SDS377H1, SDS378H1, SDS379H1, SDS380H1, SDS381H1, SDS382H1, SDS390H1, SDS455H1, SDS456Y1, SDS457H1, SDS458H1, SDS459Y1, SDS460Y1, SDS470H1, SDS477H1, SDS478H1, SDS485H1, SDS490Y1, SOC214Y1, SOC309Y1, SOC365H1, SOC367H1, SOC410H1, VIC343Y1, VIC352Y1, WGS160Y, WGS350H1, WGS365H1, WGS367H1, WGS368H1, WGS369H1, WGS374H1.

Other courses, such as Special Topics courses in other Departments or Programs, may be approved by the Director or Undergraduate Director on an individual basis. Students are responsible for checking co- and pre-requisites for courses from the SDS Electives Group.

Sexual Diversity Studies Minor (Arts Program) - ASMIN1240

Description:

The Sexual Diversity Studies program (Specialist, Major, Minor) enables students to explore, analyze, and challenge the ways in which sexuality shapes people's lives in both local and global contexts. The program provides vibrant interdisciplinary scholarship and academic learning on the historical and contemporary formations of sexual practices at the intersections of race, class, gender, disability, and citizenship status, among other social relations and processes. Our courses are designed to foster critical conversations of queer and normative sexualities; the formation of sexual, racial, and gender, and gender-non-conforming personhood; and the role of sexuality in culture and politics both in North America and transnationally.

Enrolment Requirements:

The Sexual Diversity Studies Minor is a Type 1 program requiring the completion of 4.0 FCE for enrolment.

Completion Requirements:

(4 full courses or their equivalent.)

- One course from: WGS160Y1, NEW240Y1, or HIS222H1. Students may substitute with another introductory course that emphasizes intersectionality of sexuality, with the approval of the Director or Undergraduate Director.
- Thematic Clusters (1.5 FCE): 0.5 FCE from each of the three Thematic Clusters. May substitute 0.5 FCE in this requirement from the list of Capstone courses; refer to the SDS website for current options.

- Politics & Policy
JSU237H1, SDS345H1, SDS365H1, JPS378H1, SDS378H1, SDS390H1, JPS315H1, SDS425H1
- Formations & Practices
SDS377H1, SDS380H1, SDS381H1, SDS382H1, SDS385H1, JNS450H1, SDS465H1, SDS477H1,
- Media & Aesthetics
ENG273Y1, JSU325H1; SDS346H1; SDS279H1/
SDS379H1, SDS470H1, SDS478H1

3. Other Electives (1.5-2.0 FCE): Remaining credits selected from the SDS Electives Group

ANT343H1, ANT366H1, ANT441H1, ANT456H1, ANT462H1,
CIN213H1, CIN330Y1, CRI380H1, CRI387H1, ENG235H1,
ENG254Y1, ENG273Y1, ENG355H1, ENG364H1, ENG365H1,
ENG382Y1, ENG384Y1, FRE304H1, GGR327H1, GGR363H1,
GGR456H1, HIS202H1, HIS222H1, HIS348H1, HIS363H1,
HIS383H1, JAL355H1, JNH350H1, JNS450H1, JPR364H1,
JPS315H1, JSU237H1, JSU325H1, NEW240Y1, NEW241H1,
NEW341H1, NEW344H1, NEW349H1, NEW449H1, PHL243H1,
PHL271H1, PHL367H1, POL482H1, PSY323H1, RLG235H1,
RLG313H1, SDS255H1, SDS256H1, SDS345H1, SDS346H1,
SDS354H1, SDS355H1, SDS365H1, SDS375H1, SDS376H1,
SDS377H1, SDS378H1, SDS379H1, SDS380H1, SDS381H1,
SDS382H1, SDS390H1, SDS455H1, SDS456Y1, SDS457H1,
SDS458H1, SDS459Y1, SDS460Y1, SDS470H1, SDS477H1,
SDS478H1, SDS485H1, SDS490Y1, SOC214Y1, SOC309Y1,
SOC365H1, SOC367H1, SOC410H1, VIC343Y1, VIC352Y1,
WGS160Y, WGS350H1, WGS365H1, WGS367H1, WGS368H1,
WGS369H1, WGS374H1.

Other courses, such as Special Topics courses in other Departments or Programs, may be approved by the Business Officer/Associate Director on an individual basis. Students are responsible for checking co- and pre-requisites for courses from the SDS Electives Group.

Sexual Diversity Studies Courses

SDS199H1 - Sexuality at the Intersections

Hours: 24L

This First-Year Foundations seminar will explore sexuality at the intersections of race, gender, class, disability, citizenship status, and geography, among other social relations and processes as a foundational practice in Sexual Diversity Studies. In an intimate seminar setting, students will develop reading, writing, and presentation skills necessary for engaging in Sexual Diversity Studies across a wide array of disciplinary traditions. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

JSU237H1 - Introduction to HIV/AIDS: Health, Sexuality and Gender (formerly UNI237H1)

Hours: 24L

A critical examination of the HIV/AIDS global pandemic from a multidisciplinary perspective and with an emphasis on sexuality. The course examines the basic biology of HIV/AIDS and then covers social, historical, political, cultural, gender, and public health aspects of HIV/AIDS. Attention is given to the distinct features of vulnerable and marginalized populations, prevention, treatment, drug development, and access to medicines.

JSU237H1 is particularly intended for students in the Health Studies and/or Sexual Diversity Studies programs.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SDS255H1 - Histories of Sexuality

Previous Course Number: UNI255H1

Hours: 24L/12T

An interdisciplinary examination of sexuality across cultures and periods. How are sexualities represented? How are they suppressed or celebrated? How and why are they labeled as straight, gay, lesbian, bisexual, queer, or perverse? How do sexualities change with race/ethnicity, class, gender, and geographies?

Exclusion: UNI255H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

SDS256H1 - Methods in Sexual Diversity Studies

Previous Course Number: UNI256H1

Hours: 24L/12T

This course examines a variety of methodological approaches used in humanities and humanist social sciences concerning sexuality and gendered diversity. Students will explore some of the popular methods in sexuality studies including ethnography, archival research, visual cultural studies, oral history, and media and discourse analysis.

Exclusion: UNI256H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SDS279H1 - Queer Popular Culture

Previous Course Number: UNI379H1, SDS379H1

Hours: 24L

This introductory course examines the critical relationship between popular culture and queer sexualities in historical and contemporary contexts. The course will draw upon literature from performance studies, media studies, and queer of colour cultural productions. Students will engage with a range of queer public cultures and arts, including drag performance, queer musics, social media networks, and popular media.

Exclusion: SDS379H1, UNI379H1

Recommended Preparation: Introductory course in Sexual Diversity Studies, Women and Gender Studies, or Equity Studies

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

JPS315H1 - Sexual Diversity Politics

Hours: 24L

This is an interdisciplinary course examining the development of the Lesbian, Gay, Bisexual, Transgender and Queer (LGBTQ) movement and its interaction with the state in the US and Canada. (Given by the Department of Political Science and the Sexual Diversity Studies Program)

Prerequisite: SDS255H1/ SDS256H1/ UNI255H1/ UNI256H1/one full course on the politics of 20th century Europe, U.S., or Canada/one full course on gender or sexuality/permission of the instructor

Exclusion: JPU315H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

JSU325H1 - Queerly Canadian

Previous Course Number: UNI325H1

Hours: 36L

This course focuses on Canadian literary and artistic productions that challenge prevailing notions of nationality and sexuality, exploring not only how artists struggle with that ongoing Canadian thematic of being and belonging, but also celebrate pleasure and desire as a way of imagining and articulating an alternative national politics.

Prerequisite: SDS255H1/ SDS256H1/ CDN267H1 (formerly UNI267H1)/ CDN268H1 (formerly UNI268H1) or permission of the instructor

Exclusion: SDS375H1 Special Topics: Queerly Canadian, UNI325H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SDS345H1 - Sex and the Epidemic: Social Work, HIV, and Human Sexuality

Previous Course Number: UNI345H1

Hours: 36L

HIV has forever changed the way human beings understand sexuality. Through a social justice lens, this course examines the nature of community norms, laws, popular media, and the academy to explore how the epidemic has impacted the provision of social services in relation to the diversity of human sexuality.

Prerequisite: SDS255H1/ SDS256H1/ UNI255H1/ UNI256H1

Exclusion: UNI345H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SDS346H1 - Feminist and Queer Approaches to Technology

Previous Course Number: UNI346H1

Hours: 24L

What do electronic technologies mean for feminist and queer identity, activism, sociability, art, and politics? This course considers a range of critical pressure points central to digital studies, including social networking, participatory media, digital archives, databases, new media activism, performance, embodiment, and representations of race, gender, and sexuality in electronic contexts.

Prerequisite: SDS255H1/ SDS256H1/ UNI255H1/ UNI256H1 or permission of the instructor

Exclusion: UNI346H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SDS354H1 - Theories of Sexuality I: Western Trajectories

Previous Course Number: UNI354H1

Hours: 24L

This course offers a survey of some key texts and narratives that have traversed and structured Western conceptualizations of sexuality from Greek antiquity to the 19th century. We will examine a variety of literary, philosophical and medical sources in light of what they say about past conceptualizations of the body, desire and its pleasures, and we will ask how they resonate with, or radically differ from, our current understandings of bodily norms, passions and transgressions.

Prerequisite: SDS255H1/ SDS256H1/ UNI255H1/ UNI256H1

Exclusion: UNI354H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

SDS355H1 - Theories of Sexuality

Previous Course Number: UNI355H1

Hours: 24L

This course introduces students to key theories of sexuality and sexual diversity. The main goal is to create a framework for understanding sexuality at its intersections with race, gender, class, disability, citizenship status, and geography among other social relations and processes at an advanced level. Closely tracing sexuality's intersections, course readings will draw upon critical race theory, postcolonial critique and decolonizing movements, women of colour feminisms, trans studies, and transnational sexuality and gender studies.

Prerequisite: SDS255H1 or SDS256H1

Exclusion: UNI355H1

Recommended Preparation: Some coursework in intersectionality of gender or sexuality

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

SDS376H1 - Special Topics in Sexual Diversity Studies B

Previous Course Number: UNI376H1

Hours: 24L

Topics vary from year to year depending on instructor. This seminar is intended to expose students in the Sexual Diversity Studies program to topics that may not be covered by permanent university courses.

Prerequisite: SDS255H1/ SDS256H1/ UNI255H1/ UNI256H1 or permission of the instructor

Exclusion: UNI376H1

Distribution Requirements: Humanities; Social Science

SDS365H1 - Sexuality and Law

Previous Course Number: UNI365H1

Hours: 24L

The course explores the legal regulation of sexuality. How does law understand, constitute and regulate sex, sexuality and sexual diversity? It will consider the role of different types of regulation, including criminal law, family law and constitutional law, and explore issues ranging from sex work and pornography to same sex marriage to transgender discrimination.

Prerequisite: POL315H1/ SDS255H1/ SDS256H1/ UNI255H1/ UNI256H1 or permission of the instructor

Exclusion: UNI365H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

SDS377H1 - Lesbian Studies: Identity/Theory/Culture

Previous Course Number: UNI377H1

Hours: 24L

This multidisciplinary course examines multiple lesbian identities that have varied in time and place. The course will pose such questions as: What does lesbian mean? Why have changes occurred in meaning? How has the identity of lesbian been culturally represented and politically expressed in various social and political contexts? It will also take up contemporary theoretical, cultural, and political understandings of lesbianism.

Prerequisite: SDS255H1/ SDS256H1/ UNI255H1/ UNI256H1

Exclusion: UNI377H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

SDS375H1 - Special Topics in Sexual Diversity Studies A

Previous Course Number: UNI375H1

Hours: 24L

Topics vary from year to year depending on instructor. This seminar is intended to expose students in the Sexual Diversity Studies program to topics that may not be covered by permanent university courses.

Prerequisite: SDS255H1/ SDS256H1/ UNI255H1/ UNI256H1 or permission of the instructor

Exclusion: UNI375H1

Distribution Requirements: Humanities; Social Science

JPS378H1 - Sex and the State**Hours:** 24L

What role have sex and sexuality played in the formation of the modern nation state? How has the state regulated sex? This course explores these questions with a theoretical focus on biopolitics. We will proceed in two parts. First, we engage Foucault's *History of Sexuality* and its reception by postcolonial theorists, focusing on questions of state building. The second part of the course shifts examination from state formation to contemporary forms of sexual regulation by the state. This includes maintenance of the public/private divide, citizenship law and nationalism, administrative violence and the prison industrial complex, and neoliberalism and BDSM. By the end of the course, students are able to apply core theoretical concepts and identify forms of contemporary sexual regulation in a variety of Western and non-Western contexts. (Given by the Department of Political Science and the Mark S Bonham Centre for Sexual Diversity Studies.

Prerequisite: 1.0 POL credit/1.0 SDS credit**Exclusion:** POL378H1 (Topics in Comparative Politics II: Sex and the State), offered in Fall 2017 and Fall 2018; SDS375H1 (Special Topics in Sexual Diversity Studies A: Sex and the State), offered in Fall 2017 and Fall 2018**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**SDS380H1 - Sexual Diversity in Transnational Perspective****Hours:** 24L

An exploration of LGBTQ rights and changes in social and cultural responses to sexual diversity in varied regional, national, and cultural contexts, potentially including Africa, Latin America, South and East Asia, and Eastern Europe. The role of transnational linkages and networks will also be considered in effecting change.

Prerequisite: SDS255H1/ SDS256H1 or permission of the instructor**Distribution Requirements:** Humanities; Social Science**Breadth Requirements:** Society and its Institutions (3)**SDS381H1 - Intro to Trans Studies****Hours:** 24L

This course examines current and historical transgender issues by exploring legal and health care issues, politics, mainstream and other media representations (including films, interviews, and other genres), as well as current and historical advocacy and community work in relation to power structures such as the nation-state, race, disability, and sexuality.

Prerequisite: Completion of one 0.5 FCE from SDS, WGS or EQS courses or permission of the instructor.**Exclusion:** SDS375H1F (Fall 2016)**Distribution Requirements:** Humanities; Social Science**Breadth Requirements:** Thought, Belief and Behaviour (2)**SDS378H1 - Queer Youth Studies in Education****Previous Course Number:** UNI378H1**Hours:** 24L

Experiences of queer youth are explored in various education settings through academic research, personal essays, and visual and performing arts to investigate how queer youth define themselves, what they are learning, the curriculum and pedagogy used in the learning process and the possibilities of said learning for social change, individual and community well-being.

Prerequisite: SDS255H1/ SDS256H1/ UNI255H1/ UNI256H1 or permission of the instructor**Exclusion:** UNI378H1; UNI376H1 (2013-2014 session)**Distribution Requirements:** Humanities; Social Science**Breadth Requirements:** Society and its Institutions (3)**SDS382H1 - Intro to Queer of Colour Critique****Hours:** 24L

This course provides an introduction to the intersections between race, gender and sexuality through an exploration of the political theories, activisms and cultural forms of LGBTQ people of colour. It examines the emergence of queer of colour theory and critiques, and the ways in which the intersections of race, gender and sexuality figure in national, global, economic, & cultural structures.

Prerequisite: SDS255H1/ SDS256H1 or permission of the instructor**Exclusion:** SDS376H1F (Winter 2017)**Distribution Requirements:** Social Science; Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

SDS385H1 - Queer Indigenous Politics and Cultures

Hours: 24L

This upper level course introduces students to questions of gender, sexuality, two-spirit, and same-sex desire at the intersections of race, indigeneity, and the violences of settler colonialism. Students will engage with work by scholars, activists, and artists in the fields of indigenous and queer studies, decolonizing activism, and cultural production.

Prerequisite: SDS255H1, SDS256H1

Exclusion: SDS375H1 (Special Topics in Sexual Diversity Studies A: Indigeneity & Sexuality), offered in Winter 2019

Recommended Preparation: Some coursework in indigenous culture and history in Canada/US

Distribution Requirements: Social Science; Humanities

Breadth Requirements: Society and its Institutions (3)

SDS390H1 - Sexuality & Sport

Hours: 24S

Explores the role of sports and wellness programs in promoting or impeding social inclusion, as well as their role in community building among sexual minorities. It will consider the ways that sexuality has been framed or regulated in sports, as well as the challenges to such limits from among athletes, LGBT activists, and others.

Prerequisite: SDS255H1/ SDS256H1 (UNI255H1/ UNI256H1) or permission from the instructor.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SDS425H1 - Sexuality & Health

Hours: 24S

How is the idea of “ethics” understood and deployed in research on sexuality and health? What are the ways that discourses of “risk,” “precarity,” and “cure” become regulative frameworks? How do racialization, colonialism and nation-building participate in the biopolitics of sexuality and health? With these questions in mind, this interdisciplinary course will discuss various scholarly and activist literatures, including Youth Studies, Critical Disability Studies, Environmental Justice scholarship, Sex Education and Public Health Research, Critical Development Studies, and Queer and Feminist Studies to explore the cultural, social and political dimensions of ethics, health, and sexuality historically, and at the present moment.

Prerequisite: SDS255H1, SDS256H1

Exclusion: SDS375H1 (Special Topics in Sexual Diversity Studies A: Sexuality & Health), offered in Winter 2018; SDS455H1 (Special Topics in Sexual Diversity Studies: Sexuality & Health), offered in Winter 2019

Recommended Preparation: Some coursework in health, disability studies, and equity studies

Distribution Requirements: Social Science; Humanities

Breadth Requirements: Society and its Institutions (3)

JNS450H1 - Sexuality & Disability

Hours: 24S

An interdisciplinary and intersectional approach to the study of disability and sexuality. Students will engage with historical, mainstream and critical discourses and explore complex issues and representations pertaining to disability, sexuality, sexual practices and desire. Draws from a range of writings and cultural texts in queer, crip and sexuality studies.

Prerequisite: SDS255H1/ SDS256H1 (UNI255H1/ UNI256H1) or NEW240Y1/ NEW241Y1 or permission of the instructor

Exclusion: SDS455H1: Special Topics in Sexual Diversity: Sexuality & Disability (2015)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SDS455H1 - Special Topics in Sexual Diversity Studies

Previous Course Number: UNI455H1
Hours: 24S

Topics vary from year to year depending on instructor. This seminar is intended to expose students in the Sexual Diversity Studies program to topics that may not be covered by permanent university courses.

Prerequisite: SDS255H1/ SDS256H1/ UNI255H1/ UNI256H1
Exclusion: UNI455H1
Recommended Preparation: JPU315H1/ SDS354H1/ SDS355H1/ UNI354H1/ UNI355H1
Distribution Requirements: Humanities; Social Science

SDS460Y1 - Advanced Research in Sexual Diversity Studies

Previous Course Number: UNI460H1
Hours: 24S

A capstone for majors and specialists who will work closely with SDS faculty in developing their own research project while participating in this seminar and learning about key debates, methodologies, and ethical issues in conducting research in SDS. Students will learn to write proposals, ethics reviews, grants and other relevant documents. Not eligible for CR/NCR option.

Prerequisite: SDS255H1(70%)/ SDS256H1(70%)/ UNI255H1(70%)/ UNI256H1(70%) and one 300-level SDS/UNI Sexual Diversity Studies course
Exclusion: UNI460H1
Distribution Requirements: Social Science
Breadth Requirements: Society and its Institutions (3)

SDS458H1 - Research Essay in Sexual Diversity

Previous Course Number: UNI458H1
Hours: 24S

A research essay under the supervision of a faculty member with knowledge of sexual diversity, the proposal and supervisor subject to the approval of the SDS Program Director. Not eligible for CR/NCR option.

Prerequisite: SDS255H1/ SDS256H1/ UNI255H1/ UNI256H1
Exclusion: UNI458H1
Distribution Requirements: Humanities

SDS465H1 - Queer Migrations and Refugee Politics

Hours: 24S

This interdisciplinary course will explore the politics of migration and border-crossing from queer, feminist, and trans perspectives. Drawing upon contemporary North American and transnational research, students will engage with critical literatures on citizenship and the state, mobility, belonging, and kinship and how these processes intersect with sexuality in the context of immigration and refugee systems.

Prerequisite: SDS255H1, SDS256H1
Exclusion: SDS455H1 (Special Topics in Sexual Diversity Studies: Queer Migrations and Refugee Politics), offered in Fall 2018
Recommended Preparation: Some coursework in migration & diaspora studies, or transnationalism
Distribution Requirements: Social Science; Humanities
Breadth Requirements: Society and its Institutions (3)

SDS459Y1 - Honours Essay in Sexual Diversity

Previous Course Number: UNI459Y1
Hours: 48S

A major research essay prepared over the course of two academic terms (one year); under the supervision of a faculty member with knowledge of sexual diversity; the proposal and supervisor subject to the approval of the SDS Program Director. Not eligible for CR/NCR option.

Prerequisite: SDS255H1/ SDS256H1/ UNI255H1/ UNI256H1
Exclusion: UNI459Y1
Distribution Requirements: Humanities

SDS470H1 - Sexual Aesthetics/Sexual Representations

Previous Course Number: UNI470H1
Hours: 24S

This course explores the history, culture, and aesthetics of sexual representations. Is there a difference between erotica and pornography? How do debates about artistic merit and censorship relate to larger issues of power, capitalism, and technology? How are sexual desires and identities increasingly shaped around those sexual representations?

Prerequisite: SDS255H1/ SDS256H1/ UNI255H1/ UNI256H1 and at least 1.0FCE in SDS at the 300-level
Exclusion: UNI470H1; UNI475H1, Special Topics: Porn Studies
Recommended Preparation: SDS365H1/ UNI365H1/ WDW387H1
Distribution Requirements: Humanities
Breadth Requirements: Creative and Cultural Representations (1)

SDS475H1 - The New Queer Visibility

Previous Course Number: UNI475H1
Hours: 24S

This course critically examines the socio-political cultural context that has produced a new queer visibility. It assesses many of the post-Stonewall changes in the North American public sphere and the interrelationship between the new queer visibility and the North American and public sphere.

Prerequisite: (SDS255H1/ SDS256H1)/(UNI255H1/ UNI256H1) and SDS355H1/ UNI355H1 or permission of the instructor
Exclusion: UNI475H1
Distribution Requirements: Humanities; Social Science
Breadth Requirements: Society and its Institutions (3)

SDS477H1 - Transgender Studies

Previous Course Number: UNI477H1
Hours: 24S

This course introduces students to Trans Studies as an emerging interdisciplinary field of scholarship from various angles: academic, activist, socio-historical, and clinical. Students will develop their abilities to assess representations of trans and intersexed people and social issues, taking into account how race, citizenship, gender, sexuality, culture and dis/ability are materially and socially constructed together to give meaning to the category trans.

Prerequisite: SDS255H1/ SDS256H1/ UNI255H1/ UNI256H1
Exclusion: UNI477H1
Recommended Preparation: SDS354H1/ SDS355H1
Distribution Requirements: Humanities; Social Science
Breadth Requirements: Society and its Institutions (3)

SDS478H1 - Queer Musics

Previous Course Number: UNI478H1
Hours: 24S

This course explores, through queer of colour critique, feminist and queer theories, how sexuality, gender, and race are performed and heard in several popular music styles/genres. Sampling the field with readings, music videos and audio recordings, we examine sexuality, gender and race in music performance and reception currently and historically.

Prerequisite: SDS255H1/ SDS256H1/ UNI255H1/ UNI256H1
Exclusion: UNI478H1
Recommended Preparation: SDS354H1/ SDS355H1/ UNI354H1/ UNI355H1
Distribution Requirements: Humanities
Breadth Requirements: Creative and Cultural Representations (1)

SDS485H1 - Advanced Seminar in Queer Theory

Hours: 24S

This course will provide an advanced exploration of the historical and contemporary formations and debates of queer theory. Readings simultaneously draw upon the humanities (e.g. literature, history, performance studies) and humanist social sciences (e.g. anthropology, geography, sociology) with an emphasis on the contributions of queer of colour critique, feminism, crip theory, and postcolonial studies. This seminar is designed to provide students with the opportunity to practice their skills of research and interpretation at a particularly advanced level and are expected to produce a research essay at the end of it.

Prerequisite: SDS255H1 and SDS256H1, or SDS355H1
Recommended Preparation: Some coursework in queer theory and psychoanalysis
Distribution Requirements: Humanities
Breadth Requirements: Society and its Institutions (3)

SDS490Y1 - Engaging Our Communities

Hours: 48S

A service learning course with student placements in various LGBT community organizations alongside regular classroom seminars to look at the politics of engagement, active citizenship, mobilization, archiving community histories, accessibility, belonging, activism, and philanthropy.

Prerequisite: SDS255H1/ SDS256H1 (UNI255H1/ UNI256H1) and at least 1 FCE in SDS at the third-year level or permission of the instructor. For Majors and Specialists.
Exclusion: SDS456Y1: Special Topics: Engaging our Communities (2015-16)
Distribution Requirements: Social Science
Breadth Requirements: Society and its Institutions (3)

Slavic Languages and Literatures

Faculty List

Professors Emeriti

V. Ambros, MA, Ph D
 C.J. Barnes, MA, Ph D
 R. Bogert, MA, Ph D
 C.E. Kramer, MA, Ph D
 K.A. Lantz, MA, Ph D
 R. Lindheim, MA
 R.H. Marshall, Ph D
 N. Pavliuc, MA, Ph D
 C.V. Ponomareff, MA, Ph D
 J. Schallert, Ph D
 R.D.B. Thomson, MA, D Phil

Professor and Chair of the Department

D.T. Orwin, MA, Ph D

Associate Professor and Graduate Coordinator

T. Koznarsky, MA, Ph D (Until June 30, 2019)
 K. Holland, MA, Ph D (Starting July 1, 2019)

Associate Professor and Undergraduate Coordinator

K. Holland, MA, Ph D (Until June 30, 2019)
 D. Obradovic, MA, Ph D (Starting July 1, 2019)

Professors

L. Livak, MA, Ph D
 M. Tarnawsky, MA, Ph D

Associate Professors

T. Trojanowska, MA, Ph D
 T. Smoliarova, MA, Ph D

Associate Professor, Teaching Stream, Language Program Coordinator

J. Mikhailova, MA, Ph D

Assistant Professor, Teaching Stream

L. Wodzynski, MA, Ph D

Introduction

For over one thousand years the countries of the Slavic world have played a prominent role in international life, and have provided our civilization with numerous writers, musicians, philosophers, religious and political thinkers, and scientists of note. The richness of the Slavic cultures has a special significance for Canada, since the vast influx of Slavs, which began in the last century, has contributed greatly to the Canadian cultural mosaic.

The Department of Slavic Languages and Literatures offers an extensive range of courses in Russian, Polish, Ukrainian, Czech and Slovak, Bosnian, Croatian, and Serbian languages, literatures, culture, and film as well as in Slavic linguistics. Within this range there are courses suitable for inclusion in a wide variety of programs of study, whether or not the student has studied any Slavic language previously. Some students may specialize in Slavic Languages and Cultures, i.e. Russian, Polish or Ukrainian (see Programs of Study). Others may simply wish to gain a working knowledge of Russian or another Slavic language to aid their reading of important material in

another field. Language study emphasizes small instructional groups, with some laboratory or conversational practice, and the use of literary materials.

Courses in the literatures and cultures of various Slavic countries explore the artistic, intellectual, and social currents of their civilizations, trace the literary history of each country, and examine the works of major authors. Many of our literature, culture, and film courses are taught in English and do not require special linguistic preparation.

The growing importance of Eastern Europe in contemporary affairs has had the effect of making academic study of this area especially lively and relevant. The student whose interest in the Russian or East European world is political, historical, or sociological can specialize in Russian and East European Studies, or pursue a course in Political Science, History, or Sociology, and at the same time take language courses, and perhaps selected courses in literature, in this Department. Students planning to specialize in Economics, Psychology, Mathematics, or any number of other fields, who have a special interest in the Russian or East European area, will find an advanced knowledge of Russian or of another Slavic language an important intellectual and professional asset.

Students intending to take a Program offered by the Department are asked to study carefully the Programs of Study and are urged to begin their language training as soon as possible. A Departmental brochure is available on request.

Undergraduate Coordinator:

Until June 30, 2019: Associate Professor Kate Holland,
kate.holland@utoronto.ca, 416-926-1300, ext. 3484.
 Starting July 1, 2019: Associate Professor Dragana Obradovic, undergrad.slavic@utoronto.ca

Website: sites.utoronto.ca/slavic

Regarding Slavic Languages and Literatures Programs

Enrolment in the Slavic Languages and Literatures programs requires the completion of four courses (4 FCE); no minimum grade required.

Slavic Languages and Literatures Programs

Slavic Languages and Cultures Specialist (Arts Program) - ASSPE1200

Enrolment Requirements:

Enrolment in the Slavic Languages and Literatures programs requires the completion of 4 FCE.

Completion Requirements:

10.5 FCEs with at least 4.0 at the 300+ level, including 1 at the 400 level.
 Students must choose any two of the available language areas (Russian, Ukrainian, Polish, Czech and Slovak, or South Slavic).

1. [SLA103H1](#) and [SLA256H1](#).
2. 4 FCEs of language coursework from each of the two chosen language areas (2FCEs per language area). In consultation with the Undergraduate Coordinator, and based on results in language placement tests, students may be permitted to substitute language courses with the equivalent number of FCEs in literature and culture courses in the same language area.
 - a. Czech & Slovak: [SLA105Y1](#), [SLA204Y1](#)
 - b. Polish: [SLA106H1](#), [SLA116H1](#), [SLA206H1](#), [SLA207H1](#); or [SLA306H1](#), [SLA336H1](#)
 - c. Russian: [SLA100H1](#), [SLA101H1](#), [SLA210H1](#), [SLA220Y1](#), [SLA320Y1](#), [SLA410H1](#), [SLA420Y1](#)
 - d. South Slavic: [SLA107Y1](#), [SLA257H1](#), [SLA277H1](#), [SLA337H1](#) (Bosnian, Croatian, Serbian); or [SLA109Y1](#), [SLA209H1](#), and [SLA213H1](#) (Macedonian).
 - e. Ukrainian: [SLA108Y1](#), [SLA208Y1](#).
3. 5 additional FCEs, with at least 2 FCEs from each of the two chosen language areas (please note area-specific requirements):
 - a. Czech and Slovak: [SLA200H1](#), [SLA215H1](#), [SLA230H1](#), [SLA254H1](#), [SLA333H1](#), [SLA335H1](#), [SLA405H1](#), [SLA435H1](#), [SLA465H1](#), [SLA475H1](#). In consultation with the Undergraduate Coordinator, students may take up to 1 FCE in Czech and Slovak history or political science courses taught outside the department.
 - b. Polish:
 - i. Polish Language and Culture option: [SLA216H1](#) (required), [SLA226H1](#), [SLA236H1](#), [SLA266H1](#), [SLA286H1](#), [SLA346H1](#), [SLA356H1](#), [SLA406H1](#), [SLA427H1](#).
 - ii. Polish Studies option: [SLA216H1](#) (required), [SLA226H1](#), [SLA236H1](#), [SLA346H1](#), [SLA356H1](#), [SLA406H1](#), [SLA427H1](#), [HIS251Y1](#), [HIS353Y1](#) (required), [HIS433H1](#), [HIS461H1](#).
 - c. Russian: [SLA121H1](#), [SLA203H1](#), [SLA212H1](#), [SLA234H1](#), [SLA242H1](#), [SLA245H1](#) (required), [SLA246H1](#), [SLA252H1](#), [SLA254H1](#), [SLA260H1](#), [SLA263H1](#), [SLA268H1](#), [SLA280H1](#), [JSH300H1](#), [SLA300H1](#), [SLA301H1](#), [SLA311H1](#), [SLA312H1](#), [SLA314H1](#), [SLA317H1](#), [SLA318H1](#), [SLA321H1](#), [SLA322H1](#), [SLA323H1](#), [SLA330H1](#), [SLA331H1](#), [SLA334H1](#), [SLA342H1](#), [SLA343H1](#), [SLA367H1](#), [SLA400H1](#), [SLA404H1](#), [SLA412H1](#), [SLA414H1](#), [SLA413H1](#), [SLA415H1](#), [SLA420Y1](#), [SLA423H1](#), [SLA424Y1](#), [SLA430H1](#), [SLA433H1](#), [SLA434H1](#), [SLA449H1](#), [SLA463H1](#).
 - d. South Slavic: [SLA200H1](#), [SLA217H1](#), [SLA227H1](#) (required), [SLA247H1](#), [SLA258H1](#), [SLA259H1](#), [SLA330H1](#), [SLA357H1](#), [SLA377H1](#), [SLA380H1](#). In consultation with the Undergraduate Coordinator, students may take up to 1 FCE in South Slavic history and political science courses taught outside the department.
 - e. Ukrainian: [SLA200H1](#), [SLA203H1](#), [SLA218Y1](#) (required), [SLA228H1](#), [SLA238H1](#), [SLA248H1](#), [SLA254H1](#), [SLA268H1](#), [SLA311H1](#), [SLA318H1](#), [SLA328H1](#), [SLA331H1](#), [SLA338H1](#), [SLA358H1](#), [SLA428Y1](#), [SLA429H1](#). In consultation with the Undergraduate Coordinator, students may take up to 1 FCE in Ukrainian history and political science courses taught outside the department.
4. Up to 1 FCE of 5FCEs in requirement 3 may be taken from the interdisciplinary pool of courses offered by the Slavic Department: [SLA104H1](#), [SLA200H1](#), [SLA201H1](#), [SLA202H1](#), [SLA203H1](#), [SLA222H1](#), [SLA230H1](#), [SLA254H1](#), [SLA255H1](#), [SLA267H1](#), [SLA286H1](#),

[SLA287H1](#), [SLA301H1](#), [SLA302H1](#), [SLA318H1](#), [SLA325H1](#), [SLA330Y1](#), [SLA331H1](#), [SLA333H1](#), [SLA377H1](#), [SLA380H1](#), [SLA486H1](#), [SLA495H1](#), [SLA496H1](#), [SLA498Y1](#), [SLA499H1](#).

5. 0.5 FCE in Breadth Requirement Category 5: The Physical and Mathematical Universes or another half course approved by the program director, to fulfil the Quantitative Reasoning Competency required in the program.

Slavic Languages and Cultures Major: Czech and Slovak (Arts Program) - ASMAJ1200A

Enrolment Requirements:

Enrolment in the Slavic Languages and Literatures programs requires the completion of 4.0 FCEs; no minimum course grade is required.

Completion Requirements:

(6.5 FCEs or their equivalent, with at least 2.0 FCEs at the 300+ level, including 0.5 FCE at the 400 level)

1. 1.0 FCE of Common Core: [SLA103H1](#) and [SLA256H1](#)
2. 2.0 FCEs of language coursework: [SLA105Y1](#), [SLA204Y1](#). In consultation with the Undergraduate Coordinator, and based on results in language placement tests, some students may substitute courses in course group 2 with the equivalent number of FCEs in course group 3 (below).
3. 3.0 additional FCEs to be chosen from: [SLA200H1](#), [SLA215H1](#), [SLA230H1](#), [SLA254H1](#), [SLA333H1](#), [SLA335H1](#), [SLA405H1](#), [SLA435H1](#), [SLA465H1](#), [SLA475H1](#). In consultation with the Undergraduate Coordinator, students may take up to 1 FCE in Czech and Slovak history or political science courses taught outside the department.
4. 0.5 FCE toward requirement 3 may be taken from the interdisciplinary pool of courses offered by the Slavic Department, including: [SLA104H1](#), [SLA200H1](#), [SLA201H1](#), [SLA202H1](#), [SLA203H1](#), [SLA222H1](#), [SLA230H1](#), [SLA254H1](#), [SLA255H1](#), [SLA267H1](#), [SLA286H1](#), [SLA287H1](#), [SLA301H1](#), [SLA302H1](#), [SLA318H1](#), [SLA325H1](#), [SLA330H1](#), [SLA331H1](#), [SLA333H1](#), [SLA377H1](#), [SLA380H1](#), [SLA486H1](#), [SLA495H1](#), [SLA496H1](#), [SLA498Y1](#), [SLA499H1](#).
5. 0.5 FCE in Breadth Requirement Category 5: The Physical and Mathematical Universes or another half course approved by the program director, to fulfill the Quantitative Reasoning Competency required in the program.

Slavic Languages and Cultures Major: Polish (Arts Program) - ASMAJ1200B

Enrolment Requirements:

Enrolment in the Slavic Languages and Literatures programs requires the completion of 4.0 FCEs; no minimum course grade is required.

Completion Requirements:

(6.5 FCEs or their equivalent, with at least 2.0 FCEs at the 300+ level, including 0.5 FCE at the 400 level)

1. 1.0 FCE of Common Core: [SLA103H1](#) and [SLA256H1](#)
2. 2.0 FCEs of language coursework: [SLA106H1](#), [SLA116H1](#), [SLA206H1](#), [SLA207H1](#), [SLA306H1](#), [SLA336H1](#). In consultation with the Undergraduate Coordinator, and based on results in language placement tests, some students may substitute courses in course group 2 with the equivalent number of FCEs in course group 3 (below):
3. 3.0 additional FCEs to be chosen from:
 - a. *Polish Language and Culture option*: [SLA216H1](#) (required), [SLA226H1](#), [SLA236H1](#), [SLA266H1](#), [SLA286H1](#), [SLA346H1](#), [SLA356H1](#), [SLA406H1](#), [SLA427H1](#)
 - b. *Polish Studies option*: [SLA216H1](#) (required), [SLA226H1](#), [SLA236H1](#), [SLA346H1](#), [SLA356H1](#), [SLA406H1](#), [SLA427H1](#), [HIS251Y1](#), [HIS353Y1](#) (required), [HIS433H1](#), [HIS461H1](#)
4. 0.5 FCE toward requirement 3 may be taken from the interdisciplinary pool of courses offered by the Slavic Department, including: [SLA104H1](#), [SLA200H1](#), [SLA201H1](#), [SLA202H1](#), [SLA203H1](#), [SLA222H1](#), [SLA230H1](#), [SLA254H1](#), [SLA255H1](#), [SLA267H1](#), [SLA286H1](#), [SLA287H1](#), [SLA301H1](#), [SLA302H1](#), [SLA318H1](#), [SLA325H1](#), [SLA330H1](#), [SLA331H1](#), [SLA333H1](#), [SLA377H1](#), [SLA380H1](#), [SLA486H1](#), [SLA495H1](#), [SLA496H1](#), [SLA498Y1](#), [SLA499Y1](#)
5. 0.5 FCE in Breadth Requirement Category 5: The Physical and Mathematical Universes or another half course approved by the program director, to fulfill the Quantitative Reasoning Competency required in the program.

Slavic Languages and Cultures Major: Russian (Arts Program) - ASMAJ1200C

Enrolment Requirements:

Enrolment in the Slavic Languages and Literatures programs requires the completion of 4.0 FCEs; no minimum course grade is required.

Completion Requirements:

(6.5 FCEs or their equivalent, with at least 2.0 FCEs at the 300+ level, including 0.5 FCE at the 400 level)

1. 1.0 FCE of Common Core: [SLA103H1](#) and [SLA256H1](#)
2. 2.0 FCEs of language coursework, chosen from: [SLA100H1](#), [SLA101H1](#), [SLA210H1](#), [SLA220Y1](#), [SLA320Y1](#), [SLA410H1](#), [SLA420Y1](#). In consultation with the Undergraduate Coordinator, and based on results in language placement tests, some students may substitute courses in course group 2 with the equivalent number of FCEs in requirement 3 (below).
3. 3.0 additional FCEs to be chosen from:
 - a. [SLA245H1](#) (required) and [SLA320Y1](#) (required).
 - b. [SLA121H1](#), [SLA203H1](#), [SLA212H1](#), [SLA234H1](#), [SLA242H1](#), [SLA246H1](#), [SLA252H1](#), [SLA254H1](#), [SLA260H1](#), [SLA263H1](#), [SLA268H1](#), [SLA280H1](#), [JSH300H1](#), [SLA300H1](#), [SLA301H1](#), [SLA311H1](#), [SLA312H1](#), [SLA314H1](#), [SLA317H1](#), [SLA318H1](#), [SLA321H1](#), [SLA322H1](#), [SLA323H1](#), [SLA330H1](#), [SLA331H1](#), [SLA334H1](#), [SLA342H1](#), [SLA343H1](#), [SLA367H1](#), [SLA400H1](#), [SLA404H1](#), [SLA412H1](#),

[SLA414H1](#), [SLA413H1](#), [SLA415H1](#), [SLA420Y1](#), [SLA423H1](#), [SLA424Y1](#), [SLA430H1](#), [SLA433H1](#), [SLA434H1](#), [SLA449H1](#), [SLA463H1](#).

4. 0.5 FCE toward requirement 3 may be taken from the interdisciplinary pool of courses offered by the Slavic Department, including: [SLA104H1](#), [SLA200H1](#), [SLA201H1](#), [SLA202H1](#), [SLA203H1](#), [SLA222H1](#), [SLA230H1](#), [SLA254H1](#), [SLA255H1](#), [SLA267H1](#), [SLA286H1](#), [SLA287H1](#), [SLA301H1](#), [SLA302H1](#), [SLA318H1](#), [SLA325H1](#), [SLA330H1](#), [SLA331H1](#), [SLA333H1](#), [SLA377H1](#), [SLA380H1](#), [SLA486H1](#), [SLA495H1](#), [SLA496H1](#), [SLA498Y1](#), [SLA499Y1](#).
5. 0.5 FCE in Breadth Requirement Category 5: The Physical and Mathematical Universes or another half course approved by the program director, to fulfill the Quantitative Reasoning Competency required in the program.

Slavic Languages and Cultures Major: South Slavic (Arts Program) - ASMAJ1200D

Enrolment Requirements:

Enrolment in the Slavic Languages and Literatures programs requires the completion of 4.0 FCEs; no minimum course grade is required.

Completion Requirements:

(6.5 FCEs or their equivalent, with at least 2.0 FCEs at the 300+ level, including 0.5 FCE at the 400 level)

1. 1.0 FCE of Common Core: [SLA103H1](#) and [SLA256H1](#)
2. 2.0 FCEs of language coursework:
 - a. *Bosnian, Croatian, Serbian option*: [SLA107Y1](#), [SLA257H1](#), [SLA277H1](#), [SLA337H1](#). In consultation with the Undergraduate Coordinator, and based on results in language placement tests, some students may substitute courses in course group 2 with the equivalent number of FCEs in course group 3 (below).
 - b. *Macedonian option*: [SLA109Y1](#), [SLA209H1](#), and [SLA213H1](#). In consultation with the Undergraduate Coordinator, and based on results in language placement tests, some students may substitute courses in course group 2 with the equivalent number of FCEs in course group 3 (below).
3. 3.0 additional FCEs to be taken from: [SLA200H1](#), [SLA217H1](#), [SLA227H1](#) (required), [SLA247H1](#), [SLA258H1](#), [SLA259H1](#), [SLA330H1](#), [SLA377H1](#), [SLA357H1](#), [SLA380H1](#). Note: In consultation with the Undergraduate Coordinator, students may take up to 1 FCE in history or political science courses taught outside the department.
4. 0.5 FCE toward requirement 3 may be taken from the interdisciplinary pool of courses offered by the Slavic Department: [SLA104H1](#), [SLA200H1](#), [SLA201H1](#), [SLA202H1](#), [SLA203H1](#), [SLA222H1](#), [SLA230H1](#), [SLA254H1](#), [SLA255H1](#), [SLA267H1](#), [SLA286H1](#), [SLA287H1](#), [SLA301H1](#), [SLA302H1](#), [SLA318H1](#), [SLA325H1](#), [SLA330H1](#), [SLA331H1](#), [SLA333H1](#), [SLA377H1](#), [SLA380H1](#), [SLA486H1](#), [SLA495H1](#), [SLA496H1](#), [SLA498Y1](#), [SLA499Y1](#).
5. 0.5 FCE in Breadth Requirement Category 5: The Physical and Mathematical Universes or another half course approved by the program director, to fulfill the Quantitative Reasoning Competency required in the program.

Slavic Languages and Cultures

Major: Ukrainian (Arts Program) - ASMAJ1200E

Enrolment Requirements:

Enrolment in the Slavic Languages and Literatures programs requires the completion of 4.0 FCEs; no minimum course grade is required.

Completion Requirements:

(6.5 FCEs or their equivalent, with at least 2.0 FCEs at the 300+ level, including 0.5 FCE at the 400 level)

1. 1.0 FCE of Common Core: [SLA103H1](#) and [SLA256H1](#)
2. 2.0 FCEs of language coursework:
[SLA108Y1](#), [SLA208Y1](#). Note: In consultation with the Undergraduate Coordinator, and based on results in language placement tests, some students may be permitted to substitute courses in course group 2 with the equivalent number of FCEs in course group 3 (below).
3. 3.0 FCEs in Ukrainian culture courses:
 - a. [SLA218Y1](#)
 - b. 1.0 FCE from [SLA200H1](#), [SLA203H1](#), [SLA228H1](#), [SLA238H1](#), [SLA248H1](#), [SLA254H1](#), [SLA268H1](#), [SLA311H1](#), [SLA318H1](#), [SLA328H1](#), [SLA331H1](#), [SLA338H1](#), [SLA358H1](#), [SLA428Y1](#), [SLA429H1](#)
 - c. In consultation with the Undergraduate Coordinator, students may take up to 1 FCE in Ukrainian history or political science courses taught outside the department.
4. 0.5 FCE towards requirement 3 may be taken from the interdisciplinary pool of courses offered by the Slavic Department: [SLA104H1](#), [SLA200H1](#), [SLA201H1](#), [SLA202H1](#), [SLA203H1](#), [SLA222H1](#), [SLA230H1](#), [SLA254H1](#), [SLA255H1](#), [SLA267H1](#), [SLA286H1](#), [SLA287H1](#), [SLA301H1](#), [SLA302H1](#), [SLA318H1](#), [SLA325H1](#), [SLA330H1](#), [SLA331H1](#), [SLA333H1](#), [SLA377H1](#), [SLA380H1](#), [SLA486H1](#), [SLA495H1](#), [SLA496H1](#), [SLA498Y1](#), [SLA499Y1](#).
5. 0.5 FCE in Breadth Requirement Category 5: The Physical and Mathematical Universes or another half course approved by the program director, to fulfill the Quantitative Reasoning Competency required in the program.

Russian Literature in Translation

Minor (Arts Program) - ASMIN1281

Completion Requirements:

4 FCEs or their equivalent, with at least 1 FCE at the 300 level

1. 0.5 FCE of Common Core: either [SLA103H1](#) or [SLA256H1](#).
2. 3.5 FCE from Russian Culture courses: [SLA121H1](#), [SLA203H1](#), [SLA212H1](#), [SLA234H1](#), [SLA242H1](#), [SLA245H1](#), [SLA246H1](#), [SLA252H1](#), [SLA254H1](#), [SLA260H1](#), [SLA263H1](#), [SLA268H1](#), [SLA280H1](#), [JSH300H1](#), [SLA300H1](#), [SLA301H1](#), [SLA311H1](#), [SLA312H1](#), [SLA314H1](#), [SLA317H1](#), [SLA318H1](#), [SLA320Y1](#), [SLA321H1](#), [SLA322H1](#), [SLA323H1](#), [SLA330H1](#), [SLA331H1](#), [SLA334H1](#), [SLA342H1](#), [SLA343H1](#), [SLA367H1](#), [SLA400H1](#), [SLA404H1](#),

[SLA412H1](#), [SLA414H1](#), [SLA413H1](#), [SLA415H1](#),
[SLA420Y1](#), [SLA423H1](#), [SLA424Y1](#), [SLA430H1](#),
[SLA433H1](#), [SLA434H1](#), [SLA449H1](#), [SLA463H1](#).

3. 0.5 FCE of 3.5 FCEs toward requirement 2 may be taken from the interdisciplinary pool of courses offered by the Slavic Department: [SLA104H1](#), [SLA200H1](#), [SLA201H1](#), [SLA202H1](#), [SLA203H1](#), [SLA222H1](#), [SLA230H1](#), [SLA254H1](#), [SLA255H1](#), [SLA267H1](#), [SLA286H1](#), [SLA287H1](#), [SLA301H1](#), [SLA302H1](#), [SLA318H1](#), [SLA325H1](#), [SLA330H1](#), [SLA331H1](#), [SLA333H1](#), [SLA377H1](#), [SLA380H1](#), [SLA486H1](#), [SLA495H1](#), [SLA496H1](#), [SLA498Y1](#), [SLA499H1](#).

Slavic Languages and Cultures

Minor: Czech and Slovak (Arts Program) - ASMIN1200A

Enrolment Requirements:

Enrolment in the Slavic Languages and Literatures programs requires the completion of 4 FCE; no minimum course grade is required.

Completion Requirements:

4 FCEs, with at least 1 FCE at the 300 level

1. 0.5 FCE of Common Core: either [SLA103H1](#) or [SLA256H1](#).
2. 2 FCEs of language coursework: [SLA105Y1](#), [SLA204Y1](#). In consultation with the Undergraduate Coordinator, and based on results in language placement tests, some students may substitute language courses with the equivalent number of FCEs in requirement 3 (below).
3. 1.5 FCEs additional FCEs: [SLA200H1](#), [SLA215H1](#), [SLA254H1](#), [SLA333H1](#), [SLA335H1](#), [SLA405H1](#), [SLA435H1](#), [SLA465H1](#), [SLA475H1](#). In consultation with the Undergraduate Coordinator, students may take up to 0.5 FCE in Czech history and political courses taught outside the department.
4. 0.5 FCE toward requirement 3 may be taken from the interdisciplinary pool of courses offered by the Slavic Department: [SLA104H1](#), [SLA200H1](#), [SLA201H1](#), [SLA202H1](#), [SLA203H1](#), [SLA222H1](#), [SLA230H1](#), [SLA254H1](#), [SLA255H1](#), [SLA267H1](#), [SLA286H1](#), [SLA287H1](#), [SLA301H1](#), [SLA302H1](#), [SLA318H1](#), [SLA325H1](#), [SLA330H1](#), [SLA331H1](#), [SLA333H1](#), [SLA377H1](#), [SLA380H1](#), [SLA486H1](#), [SLA495H1](#), [SLA496H1](#), [SLA498Y1](#), [SLA499H1](#).

Slavic Languages and Cultures

Minor: Polish (Arts Program) - ASMIN1200B

Enrolment Requirements:

Enrolment in the Slavic Languages and Literatures programs requires the completion of 4 FCE; no minimum course grade is required.

Completion Requirements:

4 FCEs, with at least 1 FCE at the 300 level

1. 0.5 FCE of Common Core: [SLA103H1](#) or [SLA256H1](#)
2. 2 FCEs of language coursework: [SLA106H1](#), [SLA116H1](#), [SLA206H1](#), [SLA207H1](#), [SLA306H1](#), [SLA336H1](#). In consultation with the Undergraduate Coordinator, and based on results in language placement tests, some students may substitute language courses with the equivalent number of FCEs in requirement 3 (below).
3. 1.5 additional FCEs in Polish culture courses from one of the following lists:
 1. *Polish Language and Culture option:* [SLA216H1](#), [SLA226H1](#), [SLA236H1](#), [SLA266H1](#), [SLA286H1](#), [SLA346H1](#), [SLA356H1](#), [SLA406H1](#), [SLA427H1](#)
 2. *Polish Studies option:* [HIS353Y1](#), and 0.5 FCE from: [SLA216H1](#), [SLA226H1](#), [SLA236H1](#), [SLA266H1](#), [SLA286H1](#), [SLA346H1](#), [SLA356H1](#), [SLA406H1](#), [SLA427H1](#).
4. 0.5 FCE toward requirement 3 may be taken from the interdisciplinary pool of courses offered by the Slavic Department: [SLA104H1](#), [SLA200H1](#), [SLA201H1](#), [SLA202H1](#), [SLA203H1](#), [SLA222H1](#), [SLA230H1](#), [SLA254H1](#), [SLA255H1](#), [SLA267H1](#), [SLA286H1](#), [SLA287H1](#), [SLA301H1](#), [SLA302H1](#), [SLA318H1](#), [SLA325H1](#), [SLA330H1](#), [SLA331H1](#), [SLA333H1](#), [SLA377H1](#), [SLA380H1](#), [SLA486H1](#), [SLA495H1](#), [SLA496H1](#), [SLA498Y1](#), [SLA499Y1](#).

Slavic Languages and Cultures Minor: Russian (Arts Program) - ASMIN1200C

Enrolment Requirements:

Enrolment in the Slavic Languages and Literatures programs requires the completion of 4 FCE; no minimum course grade is required.

Completion Requirements:

4 FCEs, with at least 1 FCE at the 300 level

1. 0.5 FCE of Common Core: either [SLA103H1](#) or [SLA256H1](#).
2. 2 FCEs of language coursework: [SLA100H1](#), [SLA101H1](#), [SLA210H1](#), [SLA220Y1](#), [SLA320Y1](#), [SLA410H1](#), [SLA420Y1](#). In consultation with the Undergraduate Coordinator, and based on results in language placement tests, some students may substitute language courses with the equivalent number of FCEs in requirement 3 (below).
3. 1.5 FCE in Russian Language and Culture courses: [SLA121H1](#), [SLA203H1](#), [SLA212H1](#), [SLA234H1](#), [SLA242H1](#), [SLA245H1](#), [SLA246H1](#), [SLA252H1](#), [SLA254H1](#), [SLA260H1](#), [SLA263H1](#), [SLA268H1](#), [SLA280H1](#), [JSH300H1](#), [SLA300H1](#), [SLA301H1](#), [SLA311H1](#), [SLA312H1](#), [SLA314H1](#), [SLA317H1](#), [SLA318H1](#), [SLA320H1](#), [SLA321H1](#), [SLA322H1](#), [SLA323H1](#), [SLA330H1](#), [SLA331H1](#), [SLA334H1](#), [SLA342H1](#), [SLA343H1](#), [SLA367H1](#), [SLA400H1](#), [SLA404H1](#), [SLA412H1](#), [SLA414H1](#), [SLA413H1](#), [SLA415H1](#), [SLA420Y1](#), [SLA423H1](#), [SLA424Y1](#), [SLA430H1](#), [SLA433H1](#), [SLA434H1](#), [SLA449H1](#), [SLA463H1](#).
4. 0.5 FCE toward requirement 3 may be taken from the interdisciplinary pool of courses offered by the Slavic Department: [SLA104H1](#), [SLA200H1](#), [SLA201H1](#), [SLA202H1](#), [SLA203H1](#), [SLA222H1](#), [SLA230H1](#), [SLA254H1](#), [SLA255H1](#), [SLA267H1](#), [SLA286H1](#), [SLA287H1](#), [SLA301H1](#), [SLA302H1](#), [SLA318H1](#), [SLA325H1](#), [SLA330H1](#), [SLA331H1](#), [SLA333H1](#).

[SLA377H1](#), [SLA380H1](#), [SLA486H1](#), [SLA495H1](#),
[SLA496H1](#), [SLA498Y1](#), [SLA499Y1](#).

Slavic Languages and Cultures Minor: South Slavic (Arts Program) - ASMIN1200D

Completion Requirements:

4 FCEs, with at least 1 FCE at the 300 level

1. 0.5 FCE of Common Core: either [SLA103H1](#) or [SLA256H1](#)
2. 2 FCEs of language coursework:
 1. *Bosnian, Croatian, Serbian option :* 2.0 FCE from [SLA107Y1](#), [SLA257H1](#), [SLA277H1](#), [SLA337H1](#)
 2. *Macedonian option:* [SLA109Y1](#), [SLA209H1](#), and [SLA213H1](#).
3. Note: In consultation with the Undergraduate Coordinator, and based on results in language placement tests, some students may substitute language courses with the equivalent number of FCEs in requirement 3 (below).
3. 1.5 additional FCEs in South Slavic culture courses:
 1. [SLA227H1](#)
 2. 1.0 FCE from: [SLA200H1](#), [SLA217H1](#), [SLA247H1](#), [SLA258H1](#), [SLA259H1](#), [SLA330H1](#), [SLA377H1](#), [SLA357H1](#), [SLA380H1](#). In consultation with the Undergraduate Coordinator, students may take up to 0.5 FCE in HIS or POL courses in South Slavic topics.
4. 0.5 FCE toward requirement 3 may be taken from the interdisciplinary pool of courses offered by the Slavic Department: [SLA104H1](#), [SLA200H1](#), [SLA201H1](#), [SLA202H1](#), [SLA203H1](#), [SLA222H1](#), [SLA230H1](#), [SLA254H1](#), [SLA255H1](#), [SLA267H1](#), [SLA286H1](#), [SLA287H1](#), [SLA301H1](#), [SLA302H1](#), [SLA318H1](#), [SLA325H1](#), [SLA330H1](#), [SLA331H1](#), [SLA333H1](#), [SLA377H1](#), [SLA380H1](#), [SLA486H1](#), [SLA495H1](#), [SLA496H1](#), [SLA498Y1](#), [SLA499Y1](#).

Slavic Languages and Cultures Minor: Ukrainian (Arts Program) - ASMIN1200E

Enrolment Requirements:

Enrolment in the Slavic Languages and Literatures programs requires the completion of 4 FCE; no minimum course grade is required.

Completion Requirements:

4 FCEs, with at least 1 FCE at the 300 level

1. 0.5 FCE of Common Core: either [SLA103H1](#) or [SLA256H1](#)
2. 2 FCEs of language coursework: [SLA108Y1](#), [SLA208Y1](#). In consultation with the Undergraduate Coordinator, and based on results in language placement tests, some students may substitute language courses with the equivalent number of FCEs in requirement 3 (below).
3. 1.5 FCEs from Ukrainian culture courses: [SLA200H1](#), [SLA203H1](#), [SLA218Y1](#), [SLA228H1](#), [SLA238H1](#), [SLA248H1](#), [SLA254H1](#), [SLA268H1](#), [SLA311H1](#), [SLA318H1](#), [SLA328H1](#), [SLA331H1](#), [SLA338H1](#).

- SLA358H1, SLA428Y1, SLA429H1. In consultation with the Undergraduate Coordinator, students may take up to 0.5 FCE in Ukrainian history and political science courses taught outside the department.
4. 0.5 FCE toward requirement 3 may be taken from the interdisciplinary pool of courses offered by the Slavic Department: SLA104H1, SLA200H1, SLA201H1, SLA202H1, SLA203H1, SLA222H1, SLA230H1, SLA254H1, SLA255H1, SLA267H1, SLA286H1, SLA287H1, SLA301H1, SLA302H1, SLA318H1, SLA325H1, SLA330H1, SLA331H1, SLA333H1, SLA377H1, SLA380H1, SLA486H1, SLA495H1, SLA496H1, SLA498Y1, SLA499Y1.

The Language Citation in Ukrainian is available to students who complete SLA208Y1 as well as one additional FCE in Ukrainian literature or culture with readings and discussion in the target language with a grade of at least B-. Transfer language credits also eligible.

Students should note that, as explained in the Language Citation section of the Degree Requirements chapter of this Calendar, the Language Citation is not equivalent to an academic program and that enrolment in a program is not necessary in order to earn the recognition bestowed by the Citation.

Faculty of Arts & Science Language Citation

The Department of Slavic Languages and Literatures participates in the Faculty of Arts and Science's Language Citation initiative. Students may achieve this Citation in Bosnian, Croatian, Czech, Polish, Russian, Serbian, and Ukrainian. Students interested in completing the Language Citation in languages taught in the Slavic Department but not listed here should consult the Undergraduate Coordinator of the Department of Slavic Languages and Literatures.

Language study is a demanding and intellectually rewarding educational experience. Our students learn to communicate both orally and in writing in other languages and are thus able to experience other parts of the world in more intimate ways. Their access to other cultures opens doors for further study and employment. Students in our department also have the opportunity to read a vast array of world-renowned authors in the original languages, as well as works – normally not available in English – in other areas of study, for example, cinema studies, drama, folklore, history, intellectual history, philosophy, mathematics, and political science.

The Language Citation recognizes a significant level of achievement in language study. For course selection students should consult the Undergraduate Coordinator as early as possible since not every language course is offered each year. Students who begin language study at the Intermediate level should consult the Undergraduate Coordinator for approval of advanced literature and culture courses that may satisfy the requirements for the Language Citation.

The Language Citation in Bosnian, Croatian, or Serbian is available to students who complete SLA257H1, SLA277H1, and an additional FCE in South Slavic literature or culture with readings and discussion in the target language with a grade of at least B-. The Language Citation in Macedonian is available to students who complete SLA209H1, SLA213H1 and an additional FCE in South Slavic literature or culture with readings and discussion in the target language with a grade of at least B-. Consult the Undergraduate Coordinator for approval of advanced literature and culture courses that may satisfy the requirements for the Language Citation.

The Language Citation in Czech is available to students who complete SLA204Y1 and an additional FCE in Czech literature or culture with readings and discussion in the target language with a grade of at least B-.

The Language Citation in Polish is available to students who complete SLA206H1, SLA207H1, SLA306H1 and SLA336H1 with a grade of at least B-.

The Language Citation in Russian is available to students who complete, with a grade of at least B-, two FCEs: SLA220Y1, SLA320Y1, or SLA420Y1.

Regarding Slavic Languages and Literatures Courses

Note: The Department reserves the right to place students in the language course best suited to their linguistic preparation

Bosnian, Croatian, Macedonian and Serbian Courses: Please see South Slavic Courses

Macedonian Courses: Please see South Slavic Courses

Russian language student placement policy

All students who have studied Russian outside the University of Toronto must take a language placement test prior to enrolling into a Russian language course. Contact the Department for test dates and times.

Native speakers of Russian are not allowed to enroll into any Russian language course, with the exception of SLA402/403 and linguistics courses (SLA330, SLA452). Native speakers may enroll into any Russian literature and culture course, and any Russian POSt (language requirement will be replaced with the equivalent number of literature and culture FCEs in consultation with the Undergraduate Coordinator).

Heritage speakers of Russian are allowed to enroll into a Russian language course only by special permission from the Russian language program coordinator, Prof. Julia Mikhailova (julia.mikhailova@utoronto.ca) but are encouraged to enrol in SLA210 and SLA410, courses specially designed for them. Heritage speakers may enroll into any Russian literature and culture course, and any Russian POSt (if necessary, language requirement will be replaced with the equivalent number of literature and culture FCEs in consultation with the Undergraduate Coordinator).

Who are native and heritage speakers of Russian?

For academic purposes, the Department considers a student to be a native speaker of Russian if s/he meets one of the following criteria:

- The student left Russia at the age of 10 or later.
- The student lived in a Russian-speaking country (any former Soviet republic) before the age of 10 and did elementary schooling in Russian.

For academic purposes, the Department considers a student to be a heritage speaker of Russian if s/he meets one of the following criteria:

- The student left Russia before the age of 10.
- The student lived in a Russian-speaking country (any former Soviet republic) before the age of 10 but did elementary schooling in a language other than Russian.
- The student was born and/or grew up outside of a Russian-speaking country but speaks some Russian at home.

It is the responsibility of individual students to furnish documentation proving their native- or heritage-speaker status. In the absence of such documentation, the Department reserves the right to deny enrolment into Russian language courses. Heritage and native speakers of Russian who enroll in a Russian language course and fail to identify themselves to the Department engage in cheating and

will be treated in accordance with the university policy on academic misconduct.

Ukrainian Courses

Website: www.chass.utoronto.ca/~tarn/courses/

Slavic Languages and Literatures Courses

SLA194H1 - Utopia Interrupted: Late and Post-Soviet Russian Literature

Hours: 24S

Almost 30 years after the collapse of the Soviet Union, what can we understand about its culture and people, and its impact on the popular imagination in the West? To answer these questions, the course introduces students to canonical literary and cinematic works from the post-Stalin era to the present, with particular attention to the literary and cultural peripheries. Some of the topics will include: Gulag, or Return of the Repressed, Counter-Culture, Space Race, Immigration, Gender, Perestroika, and Putin's Russia. All readings in English. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA195H1 - Literature and Painting in Russia and the West

Hours: 24S

What makes literature 'visible'? How do the verbal and the visual coexist? This seminar explores the relationship between words and images, texts and pictures through history, in Russia and the West. Special attention will be paid to the figure of the artist. Is it a writer's *alter ego*, the incarnation of creativity, or just a character among others? Literary texts (mainly short stories) from Balzac and Gogol to Chekhov and O. Henry, Maugham and Bunin, Nabokov and Camus will be studied along with the paintings of some major 19th-20th century artists. The comparative dimension of the course will help students contextualize Russian literature and think about its relationship with the Western canon. We will also watch some 21st century films about artists (such as Julie Taymor's *Frida* [2002], Milos Forman Goya's *Ghosts* [2006], and Mike Leigh *Mr. Turner* [2014]). All texts will be in English. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA196H1 - Russia at War

Hours: 24S

In its long history Russia has fought numerous wars, both defensive and offensive, and these wars have inspired a rich, complex, contradictory poetic response. We examine Russian war narratives starting with the medieval period and ending with the Second World War and including epic poetry, songs, stories, novels, paintings, and films. We will study the depiction of war and the image of the soldier (or warrior) in different genres and time periods, as well as the historical circumstances in which the different works were produced and the respective audiences for which they were intended. All texts will be in English. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA197H1 - The Imaginary Jew

Hours: 24S

The course examines the genesis and evolution of the image of the Jew, central to all European cultures, from the theology and psychology of Christian anti-Judaism to their reflection in folklore, visual, plastic, and verbal arts, and to the survival of the imaginary Jew in secular forms. Special attention is given to the Jews of Slavic and East European imagination. All readings are in English. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA198H1 - The Slavic Grecian Formula: From Ancient Rhapsode to Modern Slav Song

Hours: 24S

Slav singers of heroic tales about war, lust, honour and revenge have made a special contribution to our appreciation of classical literature and mythology. We will compare Slavic epics and African-American rap songs to reveal the connection between Homer's *Iliad* and Nas's iconic *Illmatic*, between the mythical image of the pagan goddess Aphrodite and the mystique of Nicki Minaj, Lauryn Hill, and other iconic singers today. As we read *The Iliad* closely, we will study songs from the Russian, Bosnian Muslim, Croatian and Serbian traditions. Employing new performance formulaic theory, we will learn that they share much, in melody and message, with the work of today's hip-hop artists, whose roots of rap "flowing" reach back to the beginnings of Western literature and the epic singers of ancient Greece. Students will have the opportunity to interact with a unique online multimedia edition of an epic song by a traditional Slavic singer.

No knowledge of languages other than English is required. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA199H1 - Re-imagining Central Europe: Imaginary Galicia

Hours: 24S

Galicia was an invented province of Austria-Hungary, created at the first partition of Poland in 1772. From the moment of its creation, it stimulated a very wide range of literary representations. As if to mirror its invented political status, the Galicia that appears in fiction is a world of fantastic wonders, strange delights, and ferocious terrors. Whether in Austrian, Jewish, Polish, or Ukrainian national imaginations, Galicia is a place with a uniquely hybrid culture. We explore this imaginary place through the writings of Ivan Franko, Joseph Roth, Stanislaw Lem, Bruno Shultz, Leopold Von Sacher-Masoch, Andrzej Stasiuk and other authors from a variety of traditions.

The course focuses on the cultural understanding of geography with a specific focus on a place where a variety of national cultures interact.

A number of short assignments offer students an opportunity to develop and polish their writing skills. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Interdisciplinary Courses

SLA102H1 - Ukrainian and Russian Civilizations

Hours: 24L

A survey of major East Slavic civilizations through art, architecture, literature and religion. Includes the Scythians, whose battle skills and gold fascinated the ancient world; Kyivan Rus' and its princes, monks and martyrs; the rise of the Cossacks; and Peter the Great, founder of the Russian Empire and of St. Petersburg. Taught in English, all readings in English.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

SLA103H1 - Slavic Civilizations

Hours: 24L

A survey of Slavic civilizations through literature, art, architecture, and film. Key moments in the development of the cultures of Slavic countries are examined in a comparative framework, juxtaposing the varied historical, cultural, linguistic, religious, social, and political developments of the countries involved. Taught in English, all readings in English.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA104H1 - Cities of the Mediterranean

Hours: 24L

This course examines the cultural history of Mediterranean ports and cities, with particular emphasis on Croatian cities in dialogue with cities in Italy and Greece, through works of art, architecture, and literature. Readings in English.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA200H1 - Culture and Politics in Europe**Hours:** 24L

Introduction to the issues of the interaction between cultural expression and political life, with a historical focus on 1968 in Central and Eastern Europe. The mutually influential relationship between artistic activity and political dynamics in modern societies is examined through literature, visual arts, drama, music, and film. Taught in English, all materials in English.

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)**SLA201H1 - Losing It****Hours:** 24L

How does one cope with loss, be it a nose, a leg, a pet, a name, a lover, a battle, a fortune, or one's sanity? Through literary texts from Central and Eastern Europe, we explore the trauma and poetics of losing, and the mechanisms of coping with and compensating for the lost object. Taught in English, all readings in English.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA202H1 - Jewish Communities in Slavic Countries****Hours:** 24L

Literature about the Jewish community in Slavic countries. How do these Jewish minorities perceive and identify themselves? How are they perceived by others? Taught in English, all readings in English.

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)**SLA203H1 - Faking It****Hours:** 24L

The role of forgery in cultural, national, and personal identities. A scholar "discovering" an "ancient" manuscript, a noblewoman in disguise joining the army, an impostor conning a provincial town, a writer faking political loyalty. Literary texts from Central and Eastern Europe expose the porous boundaries between authenticity and lies, highlighting the artificiality and vulnerability of social and cultural conventions. Taught in English, all readings in English.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA214H1 - Slavic Languages through Creative Writing****Hours:** 24P

A course for students of Czech and Slovak, BCS and Russian. Improve your writing skills in a group of different Slavic language learners. Learn simple creative writing in different genres. This course presents a catalogue of different methods and strategies for individual learners at various stages of writing in a foreign language. Complements rather than substitutes for intermediate and advanced levels of the languages taught.

Prerequisite: SLA105Y1 or SLA107Y1 or (SLA100H1 and SLA101H1)**Corequisite:** SLA204Y1 or (SLA257H1 and SLA277H1) or SLA220Y1 or SLA320Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA222H1 - Forging Identities: The Roma of Central and Eastern Europe****Hours:** 24S

Both in popular culture and the headlines, Roma (Gypsies) are often depicted as either romantic or negative. Roma and Slavs have interacted for centuries and this course examines the history of that interaction with particular emphasis on linguistic and educational rights. Taught in English, all readings in English.

Distribution Requirements: Humanities**Breadth Requirements:** Society and its Institutions (3)**SLA223H1 - Crossroads of Europe I: Heroes, Villains, and Jesters****Hours:** 24L

Beginning with myth and legends of Medieval Central Europe and concluding with discourses of Enlightenment, we explore aspects of oral and written cultures, fine arts and architecture. The class examines myths, legends, and traditions of the region, which will help to illuminate similarities and divergences of several cultural trends.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

SLA230H1 - Golems and Robots on Stage and Screen

Hours: 24S

Exploring the ways artificial creatures are presented on stage and on screen, this course introduces students to major issues in the study of theatre, cinema, and popular culture. Focus on case studies from Central and Eastern Europe. Taught in English, all readings in English.

Exclusion: SLA103H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA256H1 - Firebirds and Other Wonders: The World of Slavic Folklore

Hours: 24L

An introduction to the comparative study of folk narratives – fairy-tales, legends, epics, from Russia, Central and Eastern Europe, and the Balkans. Topics include the structural and psychological analysis and interpretation of oral folk traditions; the cultural specificity of Slavic folklore; its adaptation and treatment in literature, music, and visual arts. Taught in English, all readings in English.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA254H1 - Stone Books to Sky Books: The Book as Institution, Commerce and Art

Hours: 24L

Evolution of the book and printed media in Central and Eastern Europe: legends (and forgeries) of ancient letters, mediaeval illuminated manuscripts, forbidden and "supernatural" books, hand-written and painted books of modernist and avant-garde artists, books as a way of living and dying. Readings in English.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA267H1 - Great Plays in Great Performances

Hours: 24S

Focusing on great dramatic texts of Russia and Central Europe in the 19th and 20th centuries allows us to address the issues of dramatic form, theatre conventions, and performance practices while placing the texts in their rich cultural contexts. The interplay between literary and theatre and performance analysis returns us to some fundamental theoretical issues related to the questions about drama as an art form.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA255H1 - Slavic Languages: Unity and Diversity

Hours: 24L

The course introduces the student to the exploration of linguistic relations among Slavic languages and dialects, as well as to language contacts between Slavic and its neighbours. Language is viewed in connection with history, geography, mythology and religion, family and social structure, literature, and alphabets. Taught in English.

Prerequisite: First-year course of any Slavic language (cf. SLA101H1, SLA105Y1, SLA106Y1, SLA107Y1, SLA108Y1, SLA109Y1) or knowledge of a Slavic language

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

SLA268H1 - Cossacks!

Hours: 24S

How are Cossacks depicted in literary and visual works? Were they the agents of a repressive Russian government, the hirelings of Polish kings, the tormentors of Eastern European Jews, the protectors of Europe from the Ottomans, or the liberators of the Ukrainian nation? We read works from the Jewish, Polish, Russian and Ukrainian cultural traditions.

Prerequisite: None

Corequisite: None

Exclusion: CCR199H1 (First-Year Seminar: The Cossacks), offered in Winter 2012, Winter 2013, Fall 2013, Fall 2015, Fall 2016, and Fall 2017

Recommended Preparation: None

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA280H1 - Introduction to Russian Asia: From Central Asia to Siberia

Hours: 24S

Introduction to geography, languages, people, literature, and the history of Russian Asia. Includes readings in history, exile narratives, articles on the linguistic geography of the languages of Russia including Russian, Siberian languages such as Yakut and Tungus, Turkic languages of Central Asia, Korean and Chinese as minority languages, with a special focus on language contact and language politics.

Prerequisite: None

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

SLA286H1 - Literature and Science

Previous Course Number: SLA486H1

Hours: 24S

Shaped by the experience of two world wars, two totalitarianisms, and several revolutions, continental sci-fi is known for its radical and uncompromising thought experiments and daring aesthetics. Discussing works by Evgenii Zamiatin, Karel Capek, Sigizmund Krzhizhanovsky, Fritz Lang, HG Wells, Stanislaw Lem, Andrei Tarkovsky, and Jacek Dukaj among others, we examine the consequences of science, technology and social engineering pushing individuals beyond their human limits.

Prerequisite: None

Exclusion: SLA486H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA287H1 - Deceptive Splendors: The European South in Literature and Film

Hours: 24S

This class investigates the tropes associated with the European south (including the Balkans and the Mediterranean) as it figures in collective northern fantasies – eternal sun, exuberant passion, intransigent honor – and the more somber themes that they obscure including: economic crises, social inequalities, political exploitations, identity conflicts. The course assesses how such issues are represented, addressed, negotiated and symbolically resolved in film and literature.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA302H1 - The Imaginary Jew

Hours: 36S

The course examines the genesis and evolution of the image of the Jew, central to all European cultures, from the theology and psychology of Christian anti-Judaism to their reflection in folklore, visual, plastic, and verbal arts, and to the survival of the imaginary Jew in secular forms. Special attention is given to the Jews of Slavic and East European imagination. All readings are in English.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA303H1 - Literary Imagination and Jewish Identity in Modern Europe

Hours: 24S

An exploration of Central and East European authors writing in different languages but united by Jewish ancestry. We examine the responses of artists and intellectuals of Jewish extraction (Sholem Aleichem, Babel, Bialik, Heine, Kafka, Mandelshtam, Sforim, Zhabotinskii, etc.) to cultural secularization and modernity. Taught in English. Readings in English.

Recommended Preparation: SLA302H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA318H1 - City of Saints and Sinners: Kyiv through the Centuries

Hours: 24L

Captivating and elusive: the "new Jerusalem," Yehupets, a "Slavic Pompeii" and frontier city. This course examines Kyiv through works of literature, visual arts, architecture, and popular culture that reveal Ukrainian, Russian, Jewish, and Polish versions of the city. Gogol, Sholem Aleichem, Bulgakov, Vynnychenko, and many others. Taught in English, all readings in English.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA325H1 - Magic Prague

Previous Course Number: SLA445H1
Hours: 24L

Inspired by Angelo Ripellino's "Magic Prague," this class explores Prague as a palimpsest of different genres in works by Jan Neruda, Franz Kafka, R.M. Rilke, G. Meyrink, G. Apollinaire, B. Hrabal and others. Selected secondary texts illuminate questions of literary cityscapes, center and margins, multiculturalism and nationalism and magic. Readings in English and for the specialists in the original.

Exclusion: SLA445H1
Distribution Requirements: Humanities
Breadth Requirements: Creative and Cultural Representations (1)

SLA333H1 - Animated Film in Europe

Previous Course Number: SLA233H1
Hours: 24L

Trends in the history of European animated film, focusing on Central and Eastern European cinematic traditions. Aesthetics of animated image and peculiarities of animation as an art form. Films are analyzed in their artistic, cultural and political contexts. Taught in English, English subtitles.

Exclusion: SLA233H1
Distribution Requirements: Humanities
Breadth Requirements: Creative and Cultural Representations (1)

SLA330H1 - Old Church Slavonic

Previous Course Number: SLA330Y1
Hours: 24S

Structure and history of the first Slavic literary language. Reading and linguistic study of Old Slavonic texts.

Recommended Preparation: Two years of any Slavic language
Distribution Requirements: Humanities
Breadth Requirements: Creative and Cultural Representations (1)

SLA377H1 - Post-socialism in Literature and Film

Hours: 24S

This course examines the era inaugurated by the collapse of the state-socialist regimes in the former Eastern Bloc, marked by political turmoil, major economic restructuring, and social ambivalences. The course investigates topics such as: socialist legacy and nostalgia, mass emigrations and refugee crises, conflicts over national identity and borders, sociocultural anxieties about inclusion in the EU, perspectives on the future of socialist thought and practice in Eastern Europe.

Distribution Requirements: Humanities
Breadth Requirements: Creative and Cultural Representations (1)

SLA331H1 - Modernism and Visual Arts

Hours: 24S

Synthesis of visual arts, music, and literature in the late Russian Empire-early Soviet Union. Baba Yaga's hut and levitating sculptures; symphony in words and the language of stars; from princesses and puppets to the first peeks into the fourth dimension. Kandinsky, Bely, Zamyatin, Malevich, and many others. Taught and read in English.

Distribution Requirements: Humanities
Breadth Requirements: Creative and Cultural Representations (1)

SLA380H1 - Language, Politics, Identity

Hours: 24S

In this course we will examine the multi-faceted nature of language policy, language standardization, language contact and conflict. While focus will be on states that arose from the Former Soviet Union and the languages of Central and Southeastern Europe, discussion will open to cover a broad range of language issues, including, for example orthography shifts here in Canada and around the world, including China, Korea, Japan, and India. We will explore issues such as language standards, language rights, language conflict, languages of education, writing systems and linguistic identity.

Distribution Requirements: Humanities
Breadth Requirements: Society and its Institutions (3)

SLA495H1 - Aesthetics into Science**Hours:** 24S

A study of the major issues of general aesthetics from the vantage points of Russian Formalism and Prague Structuralism. The course provides students with a theoretical grounding in textual and cultural analysis, introducing them to the history of modern literary and cultural criticism and aspects of artistic conventions and innovations. Taught in English, readings in English.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA496H1 - Prague School Semiotics of Drama, Theatre and Cinema in Contemporary Context****Hours:** 24P

Prague Linguistic Circle (founded in 1926) has informed a number of current theories of drama, theatre, and cinema. Many concepts of the Prague School semiotics provide tools how to analyze and address modern artistic trends even today. We will apply some of them to selected dramatic and cinematic works.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA498Y1 - Independent Studies****Hours:** TBA

A year-long research project (primarily for majors in Slavic POSts) on an approved major topic in a Slavic literature or culture, or Slavic linguistics, supervised by one of the Department's instructors. Not eligible for CR/NCR option.

Prerequisite: Permission of the Department**Distribution Requirements:** Humanities**SLA499H1 - Independent Studies****Hours:** TBA

A semester-long research project (primarily for majors in Slavic POSts) on an approved major topic in a Slavic literature or culture, or Slavic linguistics, supervised by one of the Department's instructors. Not eligible for CR/NCR option.

Prerequisite: Permission of the Department**Distribution Requirements:** Humanities**SLA105Y1 - Elementary Czech****Hours:** 96P

Grammar, composition, and conversation. Readings from Czech literature. Open only to students with little or no knowledge of the language.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA204Y1 - Intermediate Czech****Hours:** 96P

Using selected texts of diverse styles, this class surveys Czech grammar and introduces various aspects of syntax, composition and translation. Special attention will be paid to oral practice.

Exclusion: SLA205H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA215H1 - Czech and Slovak Cultures****Hours:** 24L

Some of the most important features of Czech and Slovak cultural history are introduced in a survey of the national myths, traditions and cultural trends. (Offered every three years)

Exclusion: SLA215Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**SLA225H1 - Czech and Slovak Cinema****Hours:** 24L

Czech and Slovak cinema of the sixties, generally known as the Czechoslovak New Wave, represents the ways the cinematographers viewed the past, examined the present and escaped into the world of fantasy. In addition, we will examine several theoretical, historical and cultural aspects of national culture and international cinematography.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

SLA335H1 - Lifting the Iron Curtain: Czech Culture between 1960 and 1989

Hours: 24L

This class explores the subversive power of literary, cinematic, and theatrical experiments of the 1960s and confronts them with the development of Czech culture during the so-called normalization that lasted until 1989. Topics include literary texts, cinema, and fine arts at home and in exile. Taught in English, readings in English and in the original.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA405H1 - On the Waves of the Avant-garde and Beyond: Czech Literature of the 20th Century

Previous Course Number: SLA405Y1

Hours: 24S

The experiments of the 1920s serve as a point of departure for studies in Czech culture from the early 20th century to the present artistic innovations. Readings include works by Jaroslav Seifert, Karel Teige, Karel Čapek, F. Langer, V. Nezval, M. Kundera, V. Linhartová and others. (Offered every three years). Readings in Czech.

Prerequisite: SLA305H1 or permission of the instructor

Exclusion: SLA405Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA435H1 - Readings in Czech and Slovak

Hours: 24P

Texts of various genres representing several cultural epochs. Advanced students improve their reading skills.

For 2016 Winter: Václav Havel - a thinker, politician, and writer. Havel is one of the most complex European characters on political and theatrical stage. His multifaceted oeuvre includes essays, plays and speeches. This class will approach the complexity of his oeuvre and explore his development as a writer, public figure and a politician in the context of the recent political, literary and cultural history.

Readings in English (Czech for majors).

Prerequisite: Permission of instructor

Exclusion: SLA435Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA465H1 - Czech Short Story

Hours: 24S

The course focuses on the topic of public places and private spaces in the works of 19th- and 20th-century Czech writers. A variety of texts by modern Czech authors are explored through the prism of contemporary narrative theory. Special attention to differences in styles and epochs.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA475H1 - Modern Czech Drama

Hours: 24S

This course explores the role of theatre and drama in Czech society by focusing on the most important modern Czech plays as well as on the concepts of the modern Czech theatre as represented by directors such as Burian, Honzl, Krejčí and Radok. We will discuss seminal theoretical studies and topics such as dialogue, dramatic text, and puppet theatre. Taught in English, readings in English.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Polish

SLA106H1 - Polish for Beginners I

Hours: 24L/24P

The course is aimed at a wide range of students with a general interest in Polish but no prior knowledge. A communicative based approach will be used throughout the course, where all four skills (speaking, reading, listening, and writing) will be practised, with the main emphasis on speaking. Students will engage in interactive language activities, participating in group and pair work according to a syllabus based on systematic grammatical progression.

Exclusion: SLA106Y1, SLA116H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA116H1 - Polish for Beginners II

Hours: 24L/24P

The course is aimed at a wide range of students with a general interest in Polish who have already completed SLA106H or who have comparable basic knowledge of Pol. A communicative based approach will be used throughout the course, where all four skills (speaking, reading, listening, and writing) will be practised, with the main emphasis on speaking. Students will engage in interactive language activities, participating in group and pair work according to a syllabus based on systematic grammatical progression.

Prerequisite: SLA106H1 or permission of instructor

Exclusion: SLA106Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA206H1 - Intermediate Polish I

Hours: 12L/36P

Students who completed SLA106H and SLA116H or who have comparable basic knowledge of Polish further develop their speaking, listening, reading and writing skills by revising, consolidating and building on their knowledge. Upon completion, they will be able to communicate in more advanced everyday situations and have substantial familiarity with Polish grammar.

Prerequisite: SLA106Y1 or SLA 106H and SLA116H

Exclusion: SLA206Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA207H1 - Intermediate Polish II

Hours: 12L/36P

Students with a general interest in Polish who have completed SLA206H1 or who have a comparable level of Polish further develop their speaking, listening, writing, and reading skills by revising, consolidating, and building on their knowledge. Upon completion, they will be able to communicate in more advanced everyday situations and have substantial familiarity with Polish grammar.

Prerequisite: SLA206H1 or permission of instructor

Exclusion: SLA206Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA216H1 - Introduction to Polish Culture

Hours: 24L

Major cultural traditions, historical processes, myths, and figures that have shaped and redefined Polish civilization and national identity are problematized and contextualized with the help of works of literature, history, philosophy, political science, music, visual and performing arts. Readings in English (also available in Polish). (Offered in alternate years)

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA226H1 - Film and Ethics: Polish Cinema

Hours: 24L

The Polish School in cinema, its predecessors and successors, their artistic accomplishments, major theoretical and thematic concerns, and their place on the map of European cinema. Films of Ford, Wajda, Polanski, Konwicki, Borowczyk, Has, Kawalerowicz, Zanussi, Kieslowski, and of the new generation of Polish film makers. Films and discussions in English. (Offered every three years)

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA236H1 - Polish Culture in 10 Images

Hours: 8S

We examine the most important aspects of Polish historical experience and cultural identity by looking at ten iconic images from Polish culture. These images may include a historical painting by Matejko, a photo of the Solidarity strikes in 1980, a screenshot from a Wajda film, or a literary passage from a Gombrowicz novel. Apart from serving as an introduction to Polish cultural studies, this course provides students with analytical tools to read diverse cultural texts. This is a blended course combining online modules with four on-site discussion meetings per semester.

Prerequisite: None

Corequisite: None

Exclusion: None

Recommended Preparation: None

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA266H1 - War and Culture**Hours:** 24S

Poland and Europe 1914-1945. As we commemorate the centenary of the outbreak of WWI, this cataclysmic event that launched the 20th century and was followed by another total war soon after still defines our view of the world and understanding of it. It may be time now to look anew at how various forms of expression, including literature, film, theatre, painting and sculpture produced during the two wars, between them or many decades later deal with the extreme and everyday experiences, with shattered worlds of individuals, ethnicities, and nations.

Prerequisite: SLA216H1 or permission of the instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA346H1 - Communism and Culture****Hours:** 24S

Probes the paradoxes of politics, culture and everyday life by analyzing the complex coexistence of art and literature with changing cultural politics in a totalitarian and post-totalitarian system, with simplistic ideology and political dissent, and with prevailing myths about the West and the East. Readings in English (Polish for majors).

Recommended Preparation: SLA216Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA356H1 - What's New? Polish Culture Today****Hours:** 24S

The amazing cultural transformations of Poland in the last fifteen years within a changing Europe. The impact of these changes on Poland's social consciousness and perception of identity, history, and nationhood. The most recent literature, fine arts, music, and popular culture. Readings in English (Polish for majors).

Recommended Preparation: SLA216Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA406H1 - Transgressions: Drama, Theatre, Performance****Hours:** 24S

Study of drama as a literary and theatrical genre in its thematic and formal diversity in Polish literature from the 16th to the 20th century is combined with investigations of the role of the theatre as cultural institution in different periods of Polish history. Readings in English (in Polish for students in the major program). (Offered every three years)

Exclusion: SLA406Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA336H1 - Let's Talk! Advanced Polish****Hours:** 48P

Students expand their practical knowledge of Polish by engaging with online media and current issues in culture and society. They enrich their vocabulary, grammatical structures, and use of diverse stylistic registers while fine-tuning reading, writing, listening, and speaking skills.

Prerequisite: SLA306H1 or permission of instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

SLA426H1 - Polish for the 21st Century**Hours:** 48P

Polish language course for heritage speakers and advanced students who want to master the language through interactions with broad and diverse cultural materials such as mass and popular culture, contemporary literature, film, and theatre, mass media and the Internet.

Prerequisite: SLA306H1, SLA336H1 or permission of instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA427H1 - Polish Culture for the Curious****Hours:** 24S

The fourth year seminar whose specific topic is decided depending on the needs of the students and the interests of guest and permanent instructors.

Prerequisite: SLA216Y1 or permission of instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA436H1 - Rebels, Scoffers, and Jesters:
Polish Culture from Different Perspectives****Hours:** 24S

An advanced course on artistic, political, aesthetic, philosophical, and ideological dissenters who questioned, undermined, and redefined the main traditions in Polish culture from the 18th to the 21st centuries. Readings in English (Polish for majors).

Prerequisite: SLA216Y1**Recommended Preparation:** SLA336H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**Russian****SLA100H1 - Elementary Russian I****Hours:** 60P

Basic features of the grammar. Acquisition of essential vocabulary for practical conversation and for comprehension. Development of reading and writing skills. (May not be taken by students who, in the judgment of the Department, qualify for entry into SLA210H1 or SLA220Y1).

Exclusion: native speakers of Russian**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA101H1 - Elementary Russian II****Hours:** 60P

Basic features of the grammar. Acquisition of essential vocabulary for practical conversation and for comprehension. Development of reading and writing skills. (May not be taken by students who, in the judgment of the Department, qualify for entry into SLA210H1 or SLA220Y1).

Prerequisite: SLA100H1 or permission of instructor**Exclusion:** native speakers of Russian**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA121H1 - Russian Cultural History in
Twelve Images****Hours:** 24L

Russian Cultural History in Twelve Images An introductory survey of Russian cultural history through key images, exploring the historical, intellectual, artistic, and mythical significance of these images in Russian cultural identity and in foreign perceptions. Among the images are: Rublev's "Trinity," The Bronze Horseman, the Cathedral of Christ the Savior, and Tatlin's Tower. Taught in English, readings in English. No prior familiarity with Russian language or culture is expected.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

SLA210H1 - Russian for Heritage Speakers**Hours:** 48P

This course is designed for students with Russian background, students raised in homes where Russian is/was spoken, who speak or merely understand basic Russian but are otherwise illiterate in Russian (cannot/have difficulty reading or writing). This course helps heritage learners of Russian develop/maintain writing and reading skills as well as develop cultural literacy. (**Online course in 2011-2012**).

Prerequisite: Permission of instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA220Y1 - Intermediate Russian****Hours:** 120P

Continuation of development of proficiency in speaking, reading, listening and writing. Review the basic and learning of new grammatical and syntactical structures, study of word formation and acquisition of active vocabulary. Reading of classical, contemporary, adapted, and non-adapted literary and mass-media texts. Culture and listening through animation.

Prerequisite: SLA101H1**Exclusion:** native speakers of Russian, including SLA210H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA211H0 - Russian in Action****Hours:** 48P

Emphasis on expansion of vocabulary, developing conversational and listening skills, and intensive practice in real-life situations. Offered as part of Summer Program in Russia. Not eligible for CR/NCR option.

Prerequisite: SLA101H1 or SLA210H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA221H1 - Speak Like a Russian****Hours:** 24P

A course on practical phonetics. Get your Russian sounds right. Improve your intonation. Reduce your foreign accent.

Prerequisite: SLA100H1, SLA101H1**Corequisite:** SLA220Y1 or SLA320Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA212H1 - The Russian Novel****Hours:** 24L/12T

Introduction to the Russian novelistic tradition at the height of its creative power. We examine the Russian novel's universal appeal and influence, and its impact on modern art and thought. Authors may include (depending on instructor) Gogol, Turgenev, Dostoevsky, Tolstoy, Belyi, Nabokov, Pasternak, Solzhenitsyn. Taught and read in English.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA224H1 - Russian-Jewish Writing****Hours:** 24L

This course explores the writings of Russian authors of Jewish origin. Subjects include: assimilation; identity; the existence or non-existence of Russian – Jewish literature. The works studied may vary from year to year.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA231H0 - Special Topics in Russian Studies****Hours:** TBA

Usually offered during the summer through the Woodsworth Summer Abroad program. Content varies from year to year based on instructor. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

SLA234H1 - Russian and Soviet Cinema**Hours:** 12L/24P

A survey of the Russian cinematic tradition from its beginnings through the first decade following the disintegration of the USSR. The course examines the avant-garde cinema and film theory of the 1920s; the totalitarian esthetics of the 1920s-1940s and the ideological uses of film art; the revolution in film theory and practice in the 1950s-1960s; cinema as medium of cultural dissent and as witness to social change. Students also acquire basic skills of film analysis. Taught in English, all films subtitled in English.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA242H1 - The Novel and the Family in the Nineteenth Century****Hours:** 24S

The course examines the development of the nineteenth-century European novel in terms of changing representations of the family, with the Russian literary tradition as a case study. Topics include the aristocratic family, illegitimacy, adultery, social and political conflict, and the family as locus of inherited madness, degeneracy, and criminality. All readings in English.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA245H1 - The Golden Age of Russian Literature****Hours:** 24L

A survey of Russian literature from 1820-1900. Topics include: Romanticism and Realism; the myth of St. Petersburg; the Russian Empire and its borders; the individual and society; man and nature; the "woman question"; freedom and rationality. Readings may include: Pushkin, Lermontov, Gogol, Goncharov, Tolstoi, Turgenev, Dostoevskii, Saltykov-Shchedrin, Chekhov. Taught and read in English.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA252H1 - Russian Short Fiction****Hours:** 12T/24S

An exploration of the elements of the short story through close readings of works by 19th and 20th century writers. Stories in translation by Pushkin, Gogol, Turgenev, Dostoevsky, Chekhov, Olesha, Babel, and others. All readings in English.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA260H1 - Constructing Space: A History of Russian Art and Architecture****Hours:** 24L

Chronologically organized and covering a period of ten centuries, from the eleventh to the twenty-first, the course has a special focus, the rendering of space and perspective. Beginning with the so-called "reverse perspective" of Russian Icons and the devotional world of churches and cathedrals, continuing with the geometrically organized, rational space of the 18th century and St. Petersburg, and moving on to the distorted reality of the Russian avant-garde and Socialist Realism's attempt at reproducing reality "as it is," the course concludes by asking where this oscillating acceptance and rejection of illusion leaves us in the 21st century. Consideration of paintings, buildings, sculptures, selected literary texts and films.

Prerequisite: None**Corequisite:** None**Exclusion:** None**Recommended Preparation:** FAH102H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA263H1 - Studies in Russian-French Cultural History****Hours:** 24L/12T

A survey of Russian-French intellectual, literary, and artistic contacts and mutual influences, from the 18th through the 20th centuries. Topics may include: transnational circulation of genres, styles, aesthetic programs, philosophical concepts, and political ideas; cultural tourism; cultural appropriation and misreading; direct contacts between French and Russian intellectual and artistic elites. Lectures in English. Students taking the course from the French Department will read the texts in French, have tutorials in French, and write assignments in French. All others will read texts in English, have tutorials in English, and write assignments in English.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

JSH300H1 - Literature and History in Russia**Hours:** 24L

History and Literature were always interconnected in Russia. Writers not only sought to reflect the society around them, but were themselves often social critics and political figures. The course examines key texts in Russian literary tradition both as works of art and as primary sources for the historian. All readings in English.

Recommended Preparation: HIS250H1/ HIS250Y1 or SLA240H1/ SLA241H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA311H1 - Gogol**Hours:** 12L/12S

Fantastic and grotesque works by the most hilarious, obsessive, and delusional character in Russian literature, who teased, fascinated, and polarized readers. Gogol's writings are examined through various theoretical approaches. Includes cinematic (*Taras Bulba*, *Viy*, *Overcoat*) and musical (*Shostakovich's "Nose"*) re-creations of Gogol's works. Taught in English, all readings in English.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA312H1 - Nabokov**Hours:** 24S

A study of Vladimir Nabokov's novels written in Europe and the United States. Special attention is paid to the nature and evolution of Nabokov's aesthetics; the place of his novels in European and American literary traditions; Nabokov's creative uses of exile to artistic, philosophical and ideological ends; the aesthetic and cultural implications of the writers' switch from Russian to English. Novels studied: *Defense*, *Despair*, *The Gift*, *The Real Life of Sebastian Knight*, *Lolita*, *Pnin*, *Pale Fire*. Taught in English, all readings in English.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA314H1 - Dostoevsky**Hours:** 24L

Crime and Punishment, The Brothers Karamazov, and short works. Dostoevsky's political, psychological, and religious ideas as they shape and are shaped by his literary art. Readings in English. Taught in English, all readings in English.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA317H1 - Tolstoy**Hours:** 24S

War and Peace or Anna Karenina, and some shorter works. Tolstoy's political, psychological, and religious ideas as they shape and are shaped by his literary art. Taught in English, all readings in English.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA320Y1 - Advanced Russian**Hours:** 120P

A survey of Russian culture and history of the 20th century through non-adapted readings and film. Development of advanced speaking, reading, listening and writing skills on a wide variety of topics. Work on grammar and vocabulary building. Subordinate and relative clauses, aspect, verbs of motion, participles and gerunds. Class is conducted primarily in Russian.

Prerequisite: SLA220Y1 or permission of instructor**Exclusion:** native speakers of Russian, including SLA210H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA323H1 - The Mysteries of Russian Revealed****Hours:** 12P/12S

This course introduces Russian's sounds, structures, and alternations. Russian's tricky morphologic alternations and their historical causes are explored while students master the hidden encoding of forms through study of the writing system, root structures, and variation.

Prerequisite: SLA220Y1 or permission of instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA321H1 - Conversational Russian****Hours:** 36P

Expansion of vocabulary and development of conversational skills. Discussion of a variety of topics (history, culture, art, politics, law, social and economic problems, contemporary events). Class is taught in round-table format.

Prerequisite: SLA220Y1 and permission of instructor**Exclusion:** Native speakers of Russian**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA334H1 - Film Genre in Russia****Hours:** TBA

An examination of the understanding and practice of film genre in Russian and Soviet cinema. Various genres and generic hybrids – comedy, melodrama, action, war, horror, fantasy, etc. – are studied in the context of critical literature on the problem of film genre and against the backdrop of international cinematic traditions. Taught in English, all films subtitled in English.

Recommended Preparation: CIN105Y1, SLA234H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA322H1 - News from Russia****Hours:** 24P

Language, life and the media in contemporary Russia. The course will be based on reading Russian newspapers, listening to Russian media, and discussing contemporary events in Russia.

Prerequisite: SLA220Y1**Exclusion:** Heritage and native speakers of Russian**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA342H1 - Theatricality and Spectacle in the History of Russian Culture: From Jesters to Meyerhold****Hours:** 24S

We will study Russian public spectacles from the eighteenth century imperial court festivities all the way through the Revolutionary festivals of the 1920s. We will also look at the 2003 celebration of the 300 year anniversary of St. Petersburg and the 2014 Sochi Olympics. Special emphasis on those figures who influenced twentieth century theatre and film in the West (such as Konstantin Stanislavsky, Vsevolod Meyerhold, Sergei Diaghilev). All readings in English. No knowledge of Russian required.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

SLA343H1 - Studies in Late Soviet Culture**Hours:** 24L

A survey of artistic and intellectual life in the USSR from the post-Stalinist "Thaw" period to the collapse of the Soviet empire and its cultural aftermath in the 1990s. Topics include: the recovery of suppressed cultural memory; the fluid boundaries between official and unofficial cultures; internal and external exile; Aesopian language; alternative modes of creation and dissemination (samizdat, tamizdat, unauthorized exhibitions and concerts, etc.); Russian conceptualism and post-modernism. Taught in English, readings in English.

Recommended Preparation: SLA245H1, SLA246H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA345H1 - Russian Modernism****Previous Course Number:** SLA246H1**Hours:** 24L

A history of Russian modernist culture from the 1890s to 1940. Topics include: Russia's fin-de-siècle art and thought in European context; the aesthetic and philosophical evolution of Russian modernism as a cultural community; modernist experiments in literature; conservative reactions to modernism before and after the communist takeover in Russia; the modernist strategies of survival. Taught and read in English.

Exclusion: SLA246H1**Recommended Preparation:** SLA245H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA367H1 - Chekhov****Hours:** 24S

Selected stories, plays; stylistic, structural, and thematic analysis, literary and historical context, influence in Russia and the West. Taught in English, all readings in English.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA400H1 - Studies in Medieval Russian Literature****Hours:** 24S

Explores the development of the types of writing (e.g. chronicles, vitae, epics, tales, poetry) used to capture the cultural, political, religious, and aesthetic experiences of Mediaeval Rus' from the 11th to 17th century. Readings in English. Where appropriate, majors will read some excerpts in the original.

Recommended Preparation: Some reading knowledge of Russian desirable but not required**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA404H1 - Russia Across Centuries I****Hours:** 24S

A survey of Russian Culture from the tenth century to the early nineteenth century. Topics may vary by year. Includes literature, music, art, architecture, dance, film, history and politics. Taught in Russian, all readings are in Russian. Fosters advanced language skills of conversational fluency, listening comprehension, writing and composition, expanded vocabulary, recognition of stylistic registers, and advanced syntax. Students will read literary and non-literary texts as well as watching contemporary films and television programs.

Prerequisite: SLA320Y1 or SLA210H1**Recommended Preparation:** SLA410H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA410H1 - Russian for Heritage Speakers II****Hours:** 48P

The course helps advanced heritage learners further to develop their active command of Russian. Special focus on speaking and writing skills, as well as cultural competence. Taught in Russian, all materials in Russian.

Prerequisite: SLA210H1 or permission of instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

SLA412H1 - History of Russian**Hours:** 24P

Historical phonology, morphology, accentuation of Russian in its East Slavic context. Further topics include dialectology and historical syntax. Readings of a variety of Old Russian-East Slavic texts in the original.

Prerequisite: Permission of instructor.**Recommended Preparation:** Good reading knowledge of Russian and/or SLA320Y1 (Advanced Russian).**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA415H1 - Studies in Russian Literature of the 18th Century****Hours:** 36S

The prose, poetry and dramaturgy of the most prominent literary figures of the eighteenth century, including Karamzin, Lomonosov, Fonvizin, Derzhavin and Krylov; aspects of literature during the reign of Peter I; literature and satirical journalism during the reign of Catherine II. (Taught in Russian)

Prerequisite: Permission of the instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA413H1 - Pushkin****Hours:** 24S

Select lyrical poetry, narrative poems, drama, and prose. Topics may include: poet and society; poetry, nation, and empire; Pushkin's life, death, afterlife, and cultural mythologies; Pushkin in visual arts, music, and film. Readings in Russian.

Prerequisite: SLA320Y1 or permission of the instructor.**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA420Y1 - Studies in Russian Syntax and Stylistics****Hours:** 96P

Syntactic structures and their relation to meaning and style, word order, intonation. Consolidation of morphology, vocabulary building through extensive reading. Translation, composition, and oral practice.

Prerequisite: SLA320Y1 or permission of instructor**Exclusion:** native speakers of Russian, including SLA210H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**SLA414H1 - Russia Across Centuries II****Hours:** 24S

A continuation of SLA404H1. Survey of Russian culture from 1917 to the present. Topics may vary by year. Includes material on literature, music, art, architecture, dance, film, history and politics. Taught in Russian, all readings in Russian. The course fosters advanced language skills of conversational fluency, listening comprehension, writing and composition, expanded vocabulary, recognition of stylistic registers, and advanced syntax. Students will read literary and non-literary texts and watch contemporary films and television programs.

Prerequisite: SLA320Y1 or SLA210H1**Recommended Preparation:** SLA410H1, SLA404H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA421H1 - Introduction to Russian Poetry and Poetics****Previous Course Number:** SLA424Y1**Hours:** 36S

A study of the main principles of Russian prosody (meter, rhythm, rhyme, phonetic instrumentation, verse, stanza, genre) in relation to the creation of meaning of a poetic text. The formal aspects of Russian versification are examined in their historical evolution from the 18th century to the present, in both "classical" and "experimental" poetic modes. Taught in Russian, readings in Russian and English.

Prerequisite: SLA320Y1**Exclusion:** SLA424Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

SLA422H1 - Nineteenth-Century Russian Poetry

Previous Course Number: SLA424Y1
Hours: 36S

A survey of the golden age of Russian poetry with special attention to the evolution of verse forms and poetic genres. In this course students acquire advanced skills in the close reading of poetic forms and in their contextual historical analysis and interpretation. Taught in Russian, readings in Russian and English.

Prerequisite: SLA320Y1
Exclusion: SLA424Y1
Recommended Preparation: SLA421H1
Distribution Requirements: Humanities
Breadth Requirements: Creative and Cultural Representations (1)

SLA423H1 - War and Peace

Hours: 36S

War and Peace in depth, and from various points of view, literary, political, philosophical, historical, and psychological. Various critical approaches; cognate literary works. Students are expected to have read the novel before the course begins. Readings in English.

Recommended Preparation: SLA317H1
Distribution Requirements: Humanities
Breadth Requirements: Creative and Cultural Representations (1)

SLA430H1 - Advanced Russian Writing Skills

Hours: 48P

The course will support students in gaining proficiency in presentational mode and in improvement of language competence for communication in academic contexts. Students will elevate their skills to the advanced level. Emphasis is on grammatical structures, syntax, lexicon, content organization, construction of complex presentation and expression of scholarly ideas and critical thought with accuracy and consistency in use of the Russian language. Offered online only.

Prerequisite: SLA320Y1 or SLA210H1
Recommended Preparation: Advanced reading, writing, listening ability in Russian.
Distribution Requirements: Humanities
Breadth Requirements: Creative and Cultural Representations (1)

SLA433H1 - Anna Karenina

Previous Course Number: SLA324H1
Hours: 36S

Anna Karenina in depth, and from various points of view, literary, political, philosophical, historical, and psychological. Various critical approaches; cognate literary works. Students are expected to have read the novel before the course begins. Readings in English.

Exclusion: SLA324H1
Recommended Preparation: SLA317H1
Distribution Requirements: Humanities
Breadth Requirements: Creative and Cultural Representations (1)

SLA434H1 - Dostoevsky in Literary Theory and Criticism

Hours: 24S

Explores Dostoevsky's works through the lens of Russian and Western novel theory. Theorists include: Viacheslav Ivanov, Georg Lukacs and Mikhail Bakhtin. Topics include: genre, history and modernity; the novelistic narrator; novelistic plot; novelistic narrative; time and space; the generic history and prehistory of the novel; the novel and the self; the novel's relation to the present; novelistic subgenres including the Bildungsroman; the novel's simultaneous status as fragment and totality; and the particular and the universal in novelistic representation. Taught in English, readings in either Russian or English.

Recommended Preparation: SLA314H1
Distribution Requirements: Humanities
Breadth Requirements: Creative and Cultural Representations (1)

SLA449H1 - Russian Thinkers

Hours: 36S

Social and political change, national and spiritual destiny in philosophical, journalistic and critical writings. From Slavophiles and Westernizers to revolutionary and apocalyptic thought. Reflections on Russia's position between Europe and Asia and on the place of Russia's East Asian neighbors in its history and culture. Taught in English, readings in English.

Distribution Requirements: Humanities
Breadth Requirements: Thought, Belief and Behaviour (2)

SLA463H1 - Themes in Russian Realism**Hours:** 24L/12S

What is distinctive about Russian realism? The course will examine nineteenth century Russian realist fiction in relation to various theoretical approaches, from Erich Auerbach to Roman Jakobson. We will read contemporary works of criticism and thought from Russia and Europe that may have influenced it.

Prerequisite: The equivalent of one FCE in literature**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**South Slavic: Bosnian, Croatian, Macedonian, and Serbian****SLA107Y1 - Elementary Bosnian, Croatian, and Serbian****Hours:** 96P

Basic phonology, orthography, morphology and syntax of Bosnian, Croatian and Serbian. Development of the four basic language skills: reading, writing, listening, and speaking. Acquisition of essential vocabulary for practical conversation and for comprehension.

Exclusion: native speakers of BCS, SLA257Y1, SLA237Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA109Y1 - Elementary Macedonian****Hours:** 96P

The basic features of the grammar of the Macedonian literary language. Acquisition of essential vocabulary for practical conversation and for comprehension. Development of reading and writing skills. Open only to students with little or no knowledge of the literary language. (Offered in alternate years).

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA209H1 - Intermediate Macedonian****Hours:** 48P

This course completes the basics of Macedonian grammar including the wide variety of past tenses, complex sentence structures, and word formation.

Prerequisite: SLA109Y1 or permission of instructor**Exclusion:** SLA209Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA213H1 - Reading Macedonia: A Cultural Exploration****Hours:** 48P

This course explores Macedonian culture as read through its literature, film, cuisine, music, folklore, architecture, and new media.

Prerequisite: SLA209H1 or permission of instructor**Exclusion:** SLA209Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA217H1 - Cultural History of the South Slavs****Hours:** 24L

Works of literature, history, music, and visual arts are examined in order to explore the complex cultural legacy of the Balkans, an area marked by Byzantine, Ottoman, and Austro-Hungarian colonial presence. The course will familiarize students with major cultural traditions, myths, and historical flashpoints. Readings in English.

Exclusion: SLA217Y1, SLA227Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

SLA227H1 - South Slavic Literature**Hours:** 24L

A survey of the most significant twentieth-century novels from Croatia, Serbia and Bosnia through a chronological selection of literary texts (poems, plays, novels) from the eighteenth to the twentieth century. The course places South Slavic literary developments within the broader context of European intellectual history as well as Balkan cultural and political life. Taught in English, all readings in English.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA247H1 - (Post) Yugoslav Cinema****Hours:** 24L

An overview of the Yugoslav and post-Yugoslav cinematic tradition from the 1960s to the present. Topics include revolution and socialism; cinema as activism; ideology and politics; sex and gender; war and trauma. Taught in English. All films with subtitles.

Exclusion: SLA427H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA257H1 - Intermediate Bosnian, Croatian, and Serbian I****Hours:** 48P

Systematic study of morphology and syntax. Intermediate composition and oral practice. Reading and translation of contemporary and more complex texts in BCS.

Prerequisite: SLA107Y1 or permission of instructor**Exclusion:** SLA257Y1, SLA307Y1, SLA316Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA258H1 - History of Croatian Culture****Hours:** 24L

A survey of Croatian culture in literature, science, philosophy, and the fine arts. Topics include: the legacy of the Roman Empires; the medieval Croatian states; the Dalmatian Renaissance and Baroque; Humanism and Reformation; and national rebirth and Romanticism. Taught in English and readings in English.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA259H1 - Special Topics in Croatian Literature****Hours:** 24L

An overview of Croatian literature from the middle ages to the present day, including drama, poetry and prose. Course follows a chronological order and focuses on the central currents in the literary history of Croatian literature. All classes and readings in English.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA277H1 - Intermediate Bosnian, Croatian, and Serbian II****Hours:** 48P

Continuation of SLA257H1. Systematic study of morphology and syntax. Intermediate composition and oral practice. Reading and translation of contemporary texts in BCS.

Prerequisite: SLA257H1 or permission of instructor**Exclusion:** SLA257Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SLA337H1 - Advanced Bosnian, Croatian, and Serbian****Hours:** 48P

Morphology, syntax, composition and translation, oral practice. Extensive reading, translation and analysis of contemporary Bosnian, Croatian and Serbian texts representing diverse styles.

Prerequisite: SLA257Y1 or permission of instructor**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

SLA357H1 - Literature of Exile and Immigration

Hours: 24S

This course examines novels and short stories by writers from the former Yugoslavia (including Dubravka Ugrešić, Aleksandar Hemon) that thematize exile, migration, and displacement. Alongside literary works, we will read theoretical essays that speak to concepts of home, nation, and language. Taught in English. Readings in English.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Ukrainian

SLA108Y1 - Elementary Ukrainian

Hours: 96P

Basic vocabulary, simple sentence patterns, essential morphology. Internet language laboratory drills. Intended for students with little or no knowledge of the language.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA208Y1 - Intermediate Ukrainian

Hours: 96P

Study of morphology through grammar drills; oral practice; reading of texts from Ukrainian literature.

Prerequisite: Permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA218Y1 - Ukrainian Literature and Culture

Hours: 24L/24S

A general survey of Ukrainian culture through an examination of selected literary works and their social, political, historical, philosophical, and aesthetic contexts. The course covers the period from Kyivan Rus to the present. Readings in English. (Offered in alternate years)

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

SLA228H1 - 20th Century Ukrainian Fiction in Translation

Hours: 12L/12S

A selection of twentieth century Ukrainian novels and short prose in English translation. From the avant-garde intellectual novel of the 1920s, through socialist realism, to the post-modernist prose of the 1990s. Authors include Pidmohylny, Antonenko-Davydovych, Honchar, Shevchuk, Andrukovich and Zabuzhko.

Recommended Preparation: any course in literature

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA238H1 - Literature of the Ukrainian-Canadian Experience

Hours: 24S

A selection of literary texts depicting the experience and perceptions of Ukrainians in Canada from the first immigrants to the present. Texts include works originally written in English, French and Ukrainian, but all readings are in English. Authors include: Kiriak, Kostash, Ryga, Galay, Suknaski, Kulyk Keefer.

Recommended Preparation: any course in literature

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA248H1 - Women and Women's Themes in Ukrainian Literature

Hours: 24S

This course examines the presentation of women and women's themes in works of Ukrainian literature. The subjects covered include: role models, freedom, socialism, nationalism, feminism, and sexuality.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA328H1 - The Culture of Contemporary Ukraine

Hours: 24S

Contemporary Ukraine is an amalgam of various cultural traditions. This course examines its languages, religions, nationalities, literature, cinema, arts, print and broadcast media, regions, education, and social groups. Special attention is given to the factors that influence public perceptions of identity. All readings are in English.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA338H1 - Ivan Franko

Hours: 24S

Ivan Franko is one of the most important and innovative figures in the history of Ukrainian literature. This seminar explores a selection of the belletristic writings by this fascinating and prolific poet and novelist in the context of Ukrainian culture and politics in the Austro-Hungarian Empire. Taught in English. All readings are in English.

Recommended Preparation: Previous coursework in Ukrainian literature, e.g. SLA218Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA428Y1 - The Ukrainian Novel

Hours: 48S

Major works by Kulish, Nechui-Levytsky, Myrny, Franko, Kotsiubynsky, Kobylanska, Vynnychenko, Ianovsky, Pidmohylny, Honchar, Andrukovich, and Zabuzhko. Readings in Ukrainian. (Offered every four years)

Prerequisite: Permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA429H1 - Shevchenko

Hours: 24S

A critical study of Taras Shevchenko. Life, works, and significance. Readings in Ukrainian.

Prerequisite: Permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SLA358H1 - Breaking Away from Empire: Ukrainian Fiction Since Independence

Hours: 24S

This course traces the extraordinary development of Ukrainian prose since the collapse of the Soviet Union. We will explore post-modernist euphoria, colonial angst, cultural entropy, hooliganism, national identity, gender issues, and other aspects of modern Ukraine. All readings in English.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Sociology

Faculty List

Professors Emeriti

B. Baldus, Dr. Sc Pol
 Y.M. Bodemann, Ph D
 A.R. Gillis, Ph D
 E.B. Harvey, Ph D
 C.L. Jones, Ph D
 N.L. Howell, Ph D
 M.J. Kelner, Ph D, LL D
 D.W. Magill, Ph D (N)
 H.M. Makler, Ph D
 W.M. Michelson, Ph D, FRSC
 J. Myles, Ph D, FRSC
 I.M. Zeitlin, Ph D (T)

Professor and Chair of the Department

S. Schieman, Ph D

Assistant Professor and Associate Chair (Undergraduate Studies)

C. Caron, Ph D

Professor and Graduate Chair of the Department

M. Milkie, Ph D

Professor and Associate Chair (Graduate Studies)

M. Schafer, MS, Ph D

Professors

M. Boyd, Ph D, FRSC
 J. Bryant, Ph D
 R. Brym, Ph D
 B.H. Erickson, Ph D
 B. Fox, Ph D
 C. Kruttschnitt, MS, Ph D
 I. Peng, Ph D
 J.G. Reitz, BS, Ph D, FRSC
 S. Schieman, Ph D
 L. Tepperman, Ph D (N)
 S. Welsh, Ph D
 B. Wheaton, Ph D

Associate Professors

B. Berry, Ph D
 A.I. Green, Ph D
 Y. Lee, Ph D
 R. Levi, BCL, LLB, LLM, SJD
 V. Leschziner, Ph D
 W.J. Magee, MS, Ph D
 M. Schafer, MS, Ph D
 J. Taylor, PhD
 J.W.P. Veugelers, Ph D

Assistant Professors

S. Alegria, Ph D
 M. Alexander, Ph D
 I. Boeckmann, Ph D
 F. Dokshin, Ph D
 J.K. Lee, MA, Ph D
 A. Marin, Ph D
 K. Pernell-Gallagher, Ph D
 T. Shams, Ph D
 G. Wodtke, Ph D

Assistant Professors, Teaching Stream

C. Caron, Ph D
 R. La Touche, MA, Ph D

Introduction

Sociology's key principle is that patterned social relationships create opportunities for, and place constraints on, human action. The influence of this idea is widespread. New research agendas in law, literature, economics, and other disciplines reflect the notion that beyond individual motives, goals, values, beliefs and emotions, patterned social relationships help to make us who we are. Our courses and faculty research examine how patterned social relationships shape and are shaped by gender roles and families; health; immigration and ethnic relations; labour markets, work and social inequality; political structures and processes; crime, law and deviance; culture; cities; and networks, and communities.

To test explanations regarding the influence of social relationships on various aspects of human behaviour, sociologists collect and analyze observational, survey, experimental, and historical data. Accordingly, the sociological perspective and the research skills learned by studying sociology prepare students for a wide variety of careers in industry, government, education, politics, health and journalism. Medical, legal, and environmental fields report an increasing need for sociologists. Municipal, provincial and federal governments hire in areas like urban sociology, community relations, policy and planning, and statistical analysis. In private business, sociologists work in management consulting firms and polling organizations, as well as in labour relations and human resources.

A professional career in sociology requires training beyond the undergraduate level. However, the critical, analytical and research skills that undergraduate sociology students learn open many employment opportunities. Over a third of Canadian undergraduates in sociology go on to be employed in business, finance and administrative occupations, and just under a third in government service, social science, and educational fields.

Undergraduate Chair: Christian Caron, Room 286, 725 Spadina Ave., 416-978-8263, christian.caron@utoronto.ca

Undergraduate Administrator: Donna Ragbir, Room 284, 725 Spadina Ave., 416-946-4064, sociology.undergraduate@utoronto.ca

Enquiries: 416-978-3412 (choose option 2)

Undergraduate Program Information and Course Descriptions: available at <http://sociology.utoronto.ca/>

Regarding Sociology Programs

Enrolment in sociology programs is limited (Type 2L). Consult the [Arts & Science Program Toolkit](#) for application procedures.

NOTE 1: Obtaining 65% or more in SOC101Y or a combined average of 65% or more in SOC102H+SOC103H, SOC102H+SOC150H1, SOC103H+SOC150H1, or SOC100H1+SOC150H1 is required for entry into the sociology major and minor programs. Entry to the sociology specialist program at the end of the first year requires a minimum of 80% in SOC101Y or a minimum combined average of 80% in SOC102H+SOC103H, SOC102H+SOC150H1, SOC103H+SOC150H1, or SOC100H1+SOC150H1. **Achieving the minimum grades**

does not guarantee acceptance into the programs. Credit for higher-level SOC courses will not waive these requirements.

NOTE 2: Transfer credits of SOC1**H without exclusion cannot be used to meet program admission or requirements.

Sociology Programs

Sociology Specialist (Arts Program) - ASSPE1013

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's mark (minimum combined average of 70% in SOC201H1, SOC202H1, and SOC204H1. **Achieving the 70% minimum mark does not guarantee admission to the program in any given year.**

Students interested in the Specialist program normally apply and enter from the Major program, after having completed the first half of Year 2 requirements of that program as below. Students demonstrating exceptional interest and achievement in the introductory course may enter at the end of Year 1.

NOTE: Students cannot combine a Sociology Specialist program with another Sociology program (Major or Minor) for their degree.

Entry Requirements:

From the Major program:

A minimum combined average of 70% in SOC201H1, SOC202H1, and SOC204H1

From Year 1:

A minimum combined average of 80% in SOC101Y1, or a combination of SOC102H1+ SOC103H1, SOC102H1+ SOC150H1, SOC103H1+ SOC150H1, or SOC100H1+ SOC150H1.

Completion Requirements:

(10 FCEs in Sociology)

1. SOC101Y1, or a combination of SOC102H1+ SOC103H1, SOC102H1+ SOC150H1, SOC103H1+ SOC150H1, or SOC100H1+ SOC150H1.

2. SOC201H1, SOC202H1, and SOC204H1

3. SOC251H1, SOC252H1, and SOC254H1

4. 2.0 SOC FCEs from 300 level "Program-Only" courses (rotating list every year)

5. 1.0 SOC FCEs at the 400 level

6. An additional 3.0 FCEs in Sociology at the 200 or 300 level (1.0 of which must be taken at the 300 level, i.e., 2.0 FCEs at the 200 or 300 level and 1.0 at the 300 level).

NOTES:

1. Students cannot take more than 1.0 FCE at the 400 level without written permission from the Undergraduate Program Administrator.
2. Students cannot take more than 2.0 FCE of the program-only courses without written permission from the Undergraduate Program Administrator.

Sociology Major (Arts Program) - ASMAJ1013

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's mark (minimum average of 65%) in 1.0 FCE at the 100-level. **Achieving the 65% mark does not guarantee admission to the program in any given year.**

NOTE: Students cannot combine a Sociology Major program with another Sociology program (Specialist or Minor) for their degree.

Entry Requirements:

1. A minimum combined average grade of 65% in SOC101Y1, or a combination of SOC102H1+ SOC103H1, SOC102H1+ SOC150H1, SOC103H1+ SOC150H1, or SOC100H1+ SOC150H1.
2. 3 full courses (3.0 FCEs) towards a degree (can be from sociology or other departments).

Completion Requirements:

(7.0 FCEs in Sociology)

1. SOC101Y1, or a combination of SOC102H1+ SOC103H1, SOC102H1+ SOC150H1, SOC103H1+ SOC150H1, or SOC100H1+ SOC150H1.

2. SOC201H1, SOC202H1, and SOC204H1

3. 1.0 FCEs from SOC251H1, SOC252H1, and SOC254H1

4. 1.0 SOC FCEs from 300 level "Program-Only" courses (rotating list every year)

5. 0.5 SOC FCEs at the 400 level

6. An additional 2.0 FCEs in Sociology at the 200 or 300 level (0.5 of which must be taken at the 300 level, i.e., 1.5 FCEs at the 200 or 300 level and 0.5 at the 300 level).

NOTES:

1. Students cannot take more than 0.5 FCE at the 400 level without written permission from the Undergraduate Program Administrator.
2. Students cannot take more than 1.0 FCE of the program-only courses without written permission from the Undergraduate Program Administrator.

Sociology Minor (Arts Program) - ASMIN1013

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's mark (minimum average of 65%) in 1.0 SOC FCE at the 100-level. **Achieving the 65% mark does not guarantee admission to the program in any given year.**

NOTE: Students cannot combine a Sociology Minor program with another Sociology program (Specialist or Major) for their degree.

Entry Requirements:

1. A minimum grade of 65% (see above) in SOC101Y, or a combination of SOC102H+SOC103H, SOC102H+ SOC150H1, SOC103H+ SOC150H1, or SOC100H1+ SOC150H1.
2. 3 full courses (3.0 FCEs) towards a degree (can be from sociology or other departments).

Completion Requirements:

(4.0 FCEs in Sociology)

1. SOC101Y, or a combination of SOC102H+SOC103H, SOC102H+ SOC150H1, SOC103H+ SOC150H1, or SOC100H1+ SOC150H1.
2. Three additional SOC courses (3.0 FCEs), which includes at least 1.0 SOC FCE at the 300 level, ie., 2.0 SOC FCEs at the 200 OR 300 level and 1.0 SOC FCE at the 300 level.

Combined Degree Program (CDP) in Arts and Education: Sociology (Major), Honours Bachelor of Arts/Master of Teaching

The Combined Degree Program in Arts/Science and Education is designed for students interested in studying the intersections of teaching subjects and Education, coupled with professional teacher preparation. Students earn an Honours Bachelor's degree from the Faculty of Arts and Science (St. George) and an accredited professional Master of Teaching (MT) degree from the Ontario Institute for Studies in Education (OISE). They will be recommended to the Ontario College of Teachers for an Ontario Teacher's Certificate of Qualifications as elementary or secondary school teachers. The CDP permits the completion of both degrees in six years with 1.0 FCE that may be counted towards both the undergraduate and graduate degrees.

Program requirements:

1. Minor in Education and Society, Victoria College
2. Major in Sociology (first teaching subject)
3. Minor in an area corresponding to the second teaching subject as determined by OISE
(see <http://pepper.oise.utoronto.ca/~jhewitt/mtresources/intermediate senior teaching subject prerequisites 2016-17.pdf>)

See [here](#) for additional information on the CDP, including admission, path to completion and contact information.

Regarding Sociology Courses

Note:

Transfer credits of SOC1**H without exclusion cannot be used to meet program admission or requirements.

400-level Courses

Note: Sociology majors cannot take more than 0.5 SOC FCE at the 400 level and Sociology specialists cannot take more than 1.0 SOC FCE at the 400 level, without written permission from the Undergraduate Program Administrator.

Sociology Courses

SOC100H1 - Introduction to Sociology I: Sociological Perspectives

Hours: 24L/12T

This course will challenge your views on a wide range of issues that affect us all. It will also excite your interest in a unique sociological way of understanding your world. We will analyze the globalization of culture, emerging patterns of class, race, and gender inequality in Canada and internationally, criminal and deviant behaviour, and so on. You will learn to understand these and other pressing social issues by analyzing the way the social world is organized. These topics are further taken up in the sequel to this course, SOC150: Introduction to Sociology II: Sociological Inquiries.

Exclusion: SOC101Y1, SOC102H1, SOC103H1, SOCA01H3, SOCA02H3; SOC100H5

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC150H1 - Introduction to Sociology II: Sociological Inquiries

Hours: 24L/12T

In the sequel to SOC100H1: Introduction to Sociology I: Sociological Perspectives, this course will explore in more depth the topic of social inequality and the contemporary debates that animate sociology. We may like to think of ourselves as perfectly free but powerful social forces open up some opportunities and close off others, constraining our freedom and helping to make us what we are. By examining the operation of these social forces, sociology can help us know ourselves. The course is also about skills-building, skills useful not only for success at U of T, but beyond the walls of the university.

Prerequisite: SOC100H1 or SOC102H or SOC103H

Exclusion: SOC101Y, (SOC102H + SOC103H), SOC200H1, SOC200Y1, SOCB05H3, SOC221H5, SOC200Y5

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC197H1 - Future “Agents” & Social Relations: Considering Sociology in a World of Robots, Cyborgs, Bioengineered Agents & Tools

Previous Course Number: SII199H1S-L0391

Hours: 24L

Some people are worried that we risk becoming less human if we allow ourselves or others to engage in widespread self-transformation through the insertion of some kinds of devices into human bodies (e.g., computers, becoming cyborgs) or as a result of interventions such as genetic engineering, etc. Others are concerned that the use of some technologies, or barriers to their use, will increase global inequalities. In this course we will read, talk, and write about these and related issues. We will take a sociological approach, which means that we will attend to contextual forces that shape practices, and material flows, and the meaning of objects. Students will present their final paper in class. Restricted to first-year students. Not available for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC198H1 - The Social Networks of Students

Hours: 24L

This course is a First-Year Foundation Seminar and provides an opportunity for exploration of different topics and themes. Social networks are the webs of connections between people, the mesh that weaves people into communities and societies. In this course, you will learn about social networks by examining the ones around you: what do student's social networks look like? How do they change from high school, to university, and beyond? You will learn, first hand, how researchers study social networks, and how we work to understand their association with important outcomes like academic achievement, graduation, job-finding, and more. Restricted to first-year students. Not available for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC199Y1 - How We Use Time in Everyday Life

Hours: 48S

This seminar examines how people use time in their everyday lives: the content, the interpersonal and structural circumstances, and the implications. The seminar will include an examination of seminal writings about people's use of time and hands-on practice in the strategies and techniques of analyzing available data, including the formulation of questions and approaches to answering them.

Students will acquire an appreciation not only of the concept of time and how it helps explain important issues in the social sciences but also of how they use time in their daily lives and how time-use analysis can help them better understand many situations. Several skills will be developed in this seminar, including reading, writing, expressing points of view, and asking and answering research questions by using numerical data and computers to organize, analyze, and show results clearly. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC201H1 - Classical Sociological Theory

Hours: 24L/12T

Introduction to the history, nature, and role of sociological theory, through an examination of the works of key classical theorists such as Karl Marx, Max Weber, Emile Durkheim, Georg Simmel, and others. Restricted to sociology majors and specialists.

Prerequisite: SOC101Y1, or a combination of SOC102H1+ SOC103H1, SOC102H1+ SOC150H1, SOC103H1+ SOC150H1, or SOC100H1+ SOC150H1

Exclusion: SOC203H1; SOC231H5; SOCB42H3

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC205H1 - Urban Sociology

Hours: 24L

This course reviews theories of urban genesis and urban form; the interrelationship of urbanization, industrialization and modernization, issues in urban living (housing, transportation, urban-renewal, poverty, unemployment, etc.); urban social networks (ethnic and cultural heterogeneity, neighbourhood, community and other voluntary associations).

Prerequisite: SOC101Y1 or SOC102H1 or SOC100H1

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC202H1 - Introduction to Quantitative Methods in Sociology

Hours: 24L/18T

Introduction in quantitative social science research from descriptive statistics to hypothesis testing using various strategies for the analysis of bivariate relationships. Restricted to sociology majors and specialists.

Prerequisite: SOC101Y1, or a combination of SOC102H1+ SOC103H1, SOC102H1+ SOC150H1, SOC103H1+ SOC150H1, or SOC100H1+ SOC150H1

Exclusion: SOC200Y5, SOC222H5, ECO220Y1, ECO227Y1, GGR270H1, PSY201H1, STA220H1, STA248H1, POL222H1, POL232H1, POL242Y1, POL322H1, STA288H1

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC207H1 - Sociology of Work & Occupations

Hours: 24L

The nature and meaning of work in relation to changes in the position of the professions, unions and government, of women and minority groups, and in industrial societies more generally. Career choice and strategies, occupational mobility, and individual satisfaction at work.

Prerequisite: SOC101Y1 or SOC102H1 or SOC100H1

Exclusion: SOC227H5

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC204H1 - Introduction to Qualitative Methods in Sociology

Hours: 24L/12T

Introduction to the methods and issues of qualitative research, the theories, methods for data collection and analysis, and the personal and ethical issues relating to qualitative research. Restricted to sociology majors and specialists.

Prerequisite: SOC101Y1, or a combination of SOC102H1+ SOC103H1, SOC102H1+ SOC150H1, SOC103H1+ SOC150H1, or SOC100H1+ SOC150H1

Exclusion: SOC302H1; SOCC23H3; SOC387H5

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC208H1 - Introduction to Social Policy

Hours: 24L

This course introduces students to the concepts, history and development of social policy in economically developed welfare states. It examines the problems and concepts of the policy process, exploring the political, economic, and institutional frameworks that structure public choices about social policy in Canada, and compare systems of social policy around the world.

Prerequisite: SOC101Y1 or SOC102H1 or SOC100H1

Exclusion: SOC297H1 (New Topics in Sociology: Introduction to Social Policy), offered in Winter 2017; SOC240H5

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC209H1 - Sexuality and Modernity

Hours: 24L

This course examines questions related to sexuality, with a special focus on the social construction of sexual identity, practice, community and desire. To do so, we proceed self consciously with a critical analysis of the modern study of sexuality, and the ways in which sexual science, as a kind of social practice, has affected the construction and regulation of sexual orientation.

Prerequisite: SOC101Y1 or SOC102H1 or SOC100H1
Exclusion: SOC395H1 (taken in Winter 2015, Winter 2016), SOC387H1 (taken in Fall 2016, Fall 2017), SOC386H1 (taken in Winter 2018)

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC213H1 - Sociological Social Psychology

Hours: 24L

This course provides an introduction to the systematic study of the influence of individuals, groups, and society on individuals' thoughts, feelings, and behaviours from a sociological perspective. The course emphasizes interaction among individuals, between an individual and a group, or among groups, all situated within particular social contexts. One core emphasis involves the ways that individual-level processes contribute to explaining social inequality in social groups and organizations. Topics include identity processes, social cognitions, attitudes, emotions, status processes, power relations, legitimacy, and justice.

Prerequisite: SOC101Y1 OR SOC102H1 or SOC100H1

Exclusion: PSY220H1

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC210H1 - Sociology of Race and Ethnicity

Hours: 24L

The course explores the concepts of race and ethnicity and major theories to understand race and ethnic relations.

Prerequisite: SOC101Y or SOC102H or SOC100H1

Exclusion: SOC210Y1

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC214H1 - Family Patterns

Hours: 24L

This course examines diverse family patterns, to show the economic, political and cultural factors that influence families. A brief social history of family paves the way for an examination of the various family patterns common in Canada today. Special attention is paid to the gender relations at the heart of family.

Prerequisite: SOC101Y1 or SOC102H1 or SOC100H1

Exclusion: SOCB49H3; SOC244H5

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC212H1 - Sociology of Crime & Deviance

Hours: 24L

This course provides an overview of the study of crime and deviance. We critically examine how scholars have gone about studying crime and deviance (the methods they use and the statistics they employ) as well as the major sociological explanations for crime and deviance. We also consider the empirical evidence as it relates to the validity of these explanations and some of the policy fallout from different theoretical approaches.

Prerequisite: SOC101Y1 or SOC102H1 or SOC100H1

Exclusion: SOC211H5

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC218H1 - Asian Communities in Canada

Hours: 24L

The course will explore the structures and processes of Asian communities in Canada. Historical development of various Asian communities will be explored.

Prerequisite: SOC101Y1 or SOC102H1 or SOC100H1

Exclusion: SOC342Y1/ SOC394Y1

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC220H1 - Social Inequality in Canada

Hours: 24L

This course is concerned with the causes and consequences of economic inequality. More specifically, it explores how achieved and ascribed characteristics are related to social class and related economic outcomes. Although some of the material will be comparative and pertain to modern Democracies generally, emphasis will be on Canadian society.

Prerequisite: SOC101Y1 or SOC102H1 or SOC100H1

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC249H1 - Sociology of Migration

Hours: 24L

This course examines contemporary migration flows, types and causes of migration, theories of migration, immigration policies, and migrant integration with emphasis on Canada.

Prerequisite: SOC101Y1 or SOC102H1 or SOC100H1

Exclusion: SOC307Y1

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC250Y1 - Sociology of Religion

Hours: 48L

This course will examine religious beliefs, practices, and experiences from a historical-sociological and comparative perspective. Classical and contemporary theories will be reviewed and applied to investigate such topics as: the social origins of religions; the formation of religious communities; heresies, schisms and the making of orthodoxies; secularization and fundamentalism; cults and new religious movements; religious regulation of the body and person; and the variable linkages of religion to politics, war, art and science.

Prerequisite: SOC101Y1 or SOC102H1 or SOC100H1

Exclusion: RLG210Y1

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC243H1 - Sociology of Health and Illness

Hours: 24L

This course examines (1) the social causes of illness and disease, (2) the experience of illness, and social processes that shape both of these issues, including medicalization. It focuses on population health, the relation between agency and structure, and macro-micro connections. Professional health care is discussed to the extent that it provides context for analyses of illness patterns and experiences.

Prerequisite: SOC101Y1 or SOC102H1 or SOC100H1

Exclusion: SOC239H5

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC246H1 - Sociology of Aging

Hours: 24L

This course deals with population aging, cohort effects, inter-generational relations, historical variation in effects of social environment on aging, how health and family relationships vary with age, and social policies related to aging. The whole life course is considered, but the emphasis on adulthood and old age.

Prerequisite: SOC101Y1 or SOC102H1 or SOC100H1

Exclusion: SOC334H5

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC251H1 - Contemporary Sociological Theory

Hours: 24L/12T

A selective introduction to major contemporary thinkers and approaches whose ideas have achieved wide influence, as well as an on-going inquiry into the nature and role of sociological analysis. Restricted to sociology majors and specialists.

Prerequisite: SOC201H1 or SOC203H1

Exclusion: SOC376H1; SOC232H5

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC252H1 - Intermediate Quantitative Methods in Sociology

Hours: 24L/24T

Provides students with the opportunity to develop an understanding of the logic of multivariate analysis by applying various strategies for the analysis of complex multivariate data. Restricted to sociology majors and specialists.

Prerequisite: SOC202H1

Exclusion: SOC300H1, ECO220Y1, PSY202H1, STA221H1

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC260H1 - Fundamentals of Political Sociology

Hours: 24L

An introduction to key topics in political sociology such as social movements, electoral alignments, parties as organizations, the welfare state, revolution, policymaking, state formation, nationalism and imperialism.

Prerequisite: SOC101Y1 or SOC102H1 or SOC100H1

Exclusion: SOCB30H3; SOC335H5

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC254H1 - Intermediate Qualitative Methods in Sociology

Hours: 24L/12T

An in-depth examination of key methods of qualitative research, and an opportunity to design and conduct qualitative research that draws from key debates, methodologies, and methods in the field.

Restricted to sociology majors and specialists.

Prerequisite: SOC204H1

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC265H1 - Gender and Society

Hours: 24L

This course first explores how sociologists conceptualize gender and study gender. Then, it explores the varied nature of gender relations, with a focus on the social organization of gender today.

Prerequisite: SOC101Y1 or SOC102H1 or SOC100H1

Exclusion: SOCB22H3; SOC275H5

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC256H1 - Lives and Societies

Hours: 24L

Characteristics of very different kinds of societies, from hunters and gatherers to modern postindustrial countries, and how these affect features of individual lives including: life stages, their status, and transitions between them; the variety of possible life courses; rates of birth and death, and their implications for people, their kin, and their societies.

Prerequisite: SOC101Y1 or SOC102H1 or SOC100H1

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC280H1 - Sociology of Culture

Hours: 24L

The course examines the social origins of culture, the cultural patterns found in various groups and institutions, and the influence culture has on important aspects of society.

Prerequisite: SOC101Y1 or SOC102H1 or SOC100H1

Exclusion: SOC281H1; SOC202H5

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC282H1 - Introduction to Social Problems

Hours: 24L

Examines a variety of widely discussed social problems, including poverty, crime, substance abuse, sexism, climate change and urban sprawl, using sociological theories to understand the causes of these problems. Will also examine the “social construction” of these social problems and factors that influence public attention and concern.

Prerequisite: SOC101Y1 or SOC102H1 or SOC100H1

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC295H1 - New Topics in Sociology

Hours: TBA

An opportunity to explore new topics in sociology. Topics vary from year to year based on the instructor. Consult the Departmental website: <http://sociology.utoronto.ca/st-george-campus/courses-3/new-topics-in-so...>

Prerequisite: SOC101Y1 or SOC102H1 or SOC100H1

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC296H1 - New Topics in Sociology

Hours: TBA

An opportunity to explore new topics in sociology. Topics vary from year to year based on the instructor. Consult the Departmental website: <http://sociology.utoronto.ca/st-george-campus/courses-3/new-topics-in-so...>

Prerequisite: SOC101Y1 or SOC102H1 or SOC100H1

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC297H1 - New Topics in Sociology

Hours: TBA

An opportunity to explore new topics in sociology. Topics vary from year to year based on the instructor. Consult the Departmental website: <http://sociology.utoronto.ca/st-george-campus/courses-3/new-topics-in-so...>

Prerequisite: SOC101Y1 or SOC102H1 or SOC100H1

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC298H1 - New Topics in Sociology

Hours: TBA

An opportunity to explore new topics in sociology. Topics vary from year to year based on the instructor. Consult the Departmental website: <http://sociology.utoronto.ca/st-george-campus/courses-3/new-topics-in-so...>

Prerequisite: SOC101Y1 or SOC102H1 or SOC100H1

Recommended Preparation: SOC150H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC299Y1 - Research Opportunity Program**Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Social Science**Breadth Requirements:** Society and its Institutions (3)**SOC305H1 - Social Factors in Child Development****Hours:** 24L

Shows how child and adolescent development is affected by family background, neighbourhood and community as well as by social policies implemented at different levels of government. This course reviews evidence from national longitudinal surveys carried out in Canada, the UK and the USA and emphasizes ethical issues in research involving children.

Prerequisite: 1.0 SOC FCE at the 200+ level**Exclusion:** SOC322H1**Recommended Preparation:** SOC202H1; SOC220H1 or SOC214H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**SOC303H1 - Family Demography****Hours:** 24L

Uses empirical sociological studies to describe and analyze the political, social and economic implications of diverse family relationships and living arrangements. Examines the social and economic consequences of inconsistencies between public definitions of family and the realities of family life. Introduces students to the statistical analysis of the demographic features of families using census data.

Prerequisite: 1.0 SOC FCE at the 200+ level**Exclusion:** SOC320H1**Recommended Preparation:** SOC214H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**SOC306H1 - Economic Sociology****Hours:** 24L

This course offers a sociological account of economic phenomena. It examines the sociological perspectives on production, consumption, exchange and distribution, economic crises, and other economic matters. In addition to exploring economic behavior in the corporate and financial worlds, the course also examines behavior in households, markets for intimacy, and illegal markets.

Prerequisite: 1.0 SOC FCE at the 200+ level**Exclusion:** SOC386H1F (2016/2017), SOC323H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**SOC304H1 - Status Attainment****Hours:** 24L

Shows how getting ahead or becoming downwardly mobile are affected by social as well as economic factors. Links the experience of mobility to larger scale social change.

Prerequisite: 1.0 SOC FCE at the 200+ level**Exclusion:** SOC321H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**SOC308H1 - Global Inequality****Hours:** 24L

This course examines the social processes that characterize stratification and social inequality across the globe, by looking at whether global inequality is growing, shrinking or stagnant and the impact of globalization on global inequality, with particular emphasis on examining disparities over time in education, income/wealth and health.

Prerequisite: 1.0 SOC FCE at the 200+ level OR SOC220H1**Exclusion:** SOC395H1S (2016/2017), SOC345H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)

SOC309H1 - HIV and AIDS: Social Policies and Programs

Hours: 24L

Explores and discusses specific theories of action. Applies theories to various factors associated with AIDS/HIV. Examines political, scientific, health, social, economic, and cultural environments. This course forces students to examine the hidden theoretical assumptions surrounding AIDS/HIV.

Prerequisite: 1.0 SOC FCE at the 200+ level

Exclusion: SOC309Y1, SOC324H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC313H1 - Social Control

Hours: 24L

This course examines how society has gone about controlling specific types of deviants (e.g., gang members, sex and drug offenders) and acts of deviance (e.g., organized crime, the deviance of social control agents). In examining these individuals and acts, attention is also directed to why they are defined as deviant and sanctioned, and why some types of deviance are less likely to be detected and sanctioned than others. Finally, consideration is also given to a range of sanctions that have been used to control deviance and the empirical evidence on their effectiveness.

Prerequisite: 1.0 SOC FCE at the 200+ level

Exclusion: SOC326H1

Recommended Preparation: SOC212H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC311H1 - Immigration and Race Relations in Canada

Hours: 24L

Examines the economic, social, cultural and political impacts of 20th century immigration in Canada, and emerging race and ethnic relations. Topics include immigration policy; population impact; community formation; labour markets; enclave economies; welfare use by immigrants; the criminal justice system; racial conflict; multiculturalism and race; and equity policies.

Prerequisite: 1.0 SOC FCE at the 200+ level

Exclusion: SOC336H1, SOC347H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC314H1 - Family Relations

Hours: 24L

This course explores the dynamics of structure and agency in the making of families. It does so by examining the social relations of sexuality, parenthood and other activities involved in making families. It examines normative patterns and the gender, class, and racial inequalities embedded in them as well as the diversity of family patterns.

Prerequisite: 1.0 SOC FCE at the 200+ level

Exclusion: SOC327H1

Recommended Preparation: SOC214H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC312H1 - Population and Society

Hours: 24L

This introductory course examines Canada's population in a global context, covering a broad range of population issues and perspectives. Topics include (a) demographic data and methods, (b) population composition in terms of age, sex, and nuptiality, (c) demographic processes of fertility, mortality, internal and international migration, (d) the relationship between population change and urbanization, and (e) the role of social policy on population change. For all course topics, the instructor will examine historical and cross-national trends and review proposed explanations.

Prerequisite: 1.0 SOC FCE at the 200+ level

Exclusion: SOC312Y1, SOC325H1, SOC356H5

Recommended Preparation: SOC200H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC315H1 - Domestic Violence

Hours: 24L

This course will provide an overview of the different forms of domestic criminal violence, concentrating primarily on intimate partner violence and child abuse. We will focus on the methodological problems in assessing the nature and extent of these types of violence, the risk factors and correlates of both offending and victimization and the theoretical explanations that have been offered for these crimes. We also consider the social and legal responses to intimate partner violence and child abuse.

Prerequisite: 1.0 SOC FCE at the 200+ level

Exclusion: SOC328H1

Recommended Preparation: SOC212H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC316H1 - Sociology of Health Care

Hours: 24L

Examines factors that influence the organizational structure of health care systems, how these organizations develop, how they are maintained, and how they can change.

Prerequisite: 1.0 SOC FCE at the 200+ level

Exclusion: SOC244H1; SOC333H5; SOC346H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC321H1 - Status Attainment

Hours: 24L/12T

Shows how getting ahead or becoming downwardly mobile are affected by social as well as economic factors. Links the experience of mobility to larger scale social change. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC304H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC319H1 - Immigration and Employment

Previous Course Number: SOC439H1

Hours: 24L/12T

This course examines the labour market and employment situation of immigrants emphasizing recent Canadian experience in comparative context. Topics include immigrant human capital, declining immigrant earnings, immigrant skill-underutilization, impact of the knowledge economy, racial discrimination, labour market structure and unionization, immigrant entrepreneurship and experiences of the Canadian-born second generation. Restricted to Sociology Majors and Specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC370H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC322H1 - Social Factors in Child Development

Hours: 24L/12T

Shows how child and adolescent development is affected by family background, neighbourhood and community as well as by social policies implemented at different levels of government. This course reviews evidence from national longitudinal surveys carried out in Canada, the UK and the USA and emphasizes ethical issues in research involving children. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC305H1

Recommended Preparation: SOC202H1; SOC220H1 or SOC214H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC320H1 - Family Demography

Hours: 24L/12T

Uses empirical sociological studies to describe and analyze the political, social and economic implications of diverse family relationships and living arrangements. Examines the social and economic consequences of inconsistencies between public definitions of family and the realities of family life. Introduces students to the statistical analysis of the demographic features of families using census data. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC303H1

Recommended Preparation: SOC214H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC323H1 - Economic Sociology

Hours: 24L/12T

This course offers a sociological account of economic phenomena. It examines the sociological perspectives on production, consumption, exchange and distribution, economic crises, and other economic matters. In addition to exploring economic behavior in the corporate and financial worlds, the course also examines behavior in households, markets for intimacy, and illegal markets. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC306H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC324H1 - HIV and AIDS: Social Policies and Programs

Hours: 24L/12T

Explores and discusses specific theories of action. Applies theories to various factors associated with AIDS/HIV. Examines political, scientific, health, social, economic, and cultural environments. This course forces students to examine the hidden theoretical assumptions surrounding AIDS/HIV. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC309H1; SOC309Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC325H1 - Population and Society

Hours: 24L/12T

This introductory course examines Canada's population in a global context, covering a broad range of population issues and perspectives. Topics include (a) demographic data and methods, (b) population composition in terms of age, sex, and nuptiality, (c) demographic processes of fertility, mortality, internal and international migration, (d) the relationship between population change and urbanization, and (e) the role of social policy on population change. For all course topics, the instructor will examine historical and cross-national trends and review proposed explanations. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC312H1; SOC356H5

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC326H1 - Social Control

Hours: 24L/12T

This course examines how society has gone about controlling specific types of deviants (e.g., gang members, sex and drug offenders) and acts of deviance (e.g., organized crime, the deviance of social control agents). In examining these individuals and acts, attention is also directed to why they are defined as deviant and sanctioned, and why some types of deviance are less likely to be detected and sanctioned than others. Finally, consideration is also given to a range of sanctions that have been used to control deviance and the empirical evidence on their effectiveness. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC313H1

Recommended Preparation: SOC212H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC327H1 - Family Relations

Hours: 24L/12T

This course explores the dynamics of structure and agency in the making of families. It does so by examining the social relations of sexuality, parenthood and other activities involved in making families. It examines normative patterns and the gender, class, and racial inequalities embedded in them as well as the diversity of family patterns. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC314H1

Recommended Preparation: SOC214H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC328H1 - Domestic Violence

Hours: 24L/12T

This course will provide an overview of the different forms of domestic criminal violence, concentrating primarily on intimate partner violence and child abuse. We will focus on the methodological problems in assessing the nature and extent of these types of violence, the risk factors and correlates of both offending and victimization and the theoretical explanations that have been offered for these crimes. We also consider the social and legal responses to intimate partner violence and child abuse. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC315H1

Recommended Preparation: SOC212H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC331H1 - Technology and Society

Hours: 24L/12T

This course analyzes the interplay between new communication technologies and society. It will consider how technological developments affect social systems, and conversely, how social systems affect the nature and use of technology. Much of the course will be devoted to studying the impact of computerization and the advent of the information highway. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC356H1; SOC356Y1

Recommended Preparation: SOC201H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC329H1 - Social Movements

Hours: 24L/12T

This course introduces students to the sociological study of collective action. Students will explore how movements in a variety of historical and global contexts endeavor to produce social change. In this process, we will examine political and cultural opportunities and obstacles, organizational dynamics, resources, collective action frames, strategies and tactics. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC279H1; SOC360H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC332H1 - Lives in Canada

Hours: 24L/12T

The life course in Canada, in the twentieth century and today, with some comparisons to other first world countries. How lives have changed over the past century; how lives are affected by history and social location; the impact of the life trajectories on health and crime. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC357H1; SOC257H1

Recommended Preparation: SOC220H1 or SOC281H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC330H1 - Introduction to Social Network Analysis

Hours: 24L/12T

This course covers the fundamentals of the social network perspective, including a short introduction to social network theory and a survey of major findings in social network research. We will study how patterns of relations between social actors develop and how they affect outcomes such as health, status attainment, and inequality. Students will write a proposal to conduct research from a social network perspective. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC355H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC333H1 - Quality of Institutions and Lives

Hours: 24L/12T

Theory and research on quality of life encompass studies of subjective dimensions of individual wellbeing, such as happiness, and studies that focus on objective indicators of the quality of institutions and settings, such as child mortality rates. Quality-of-life theories range from (sometimes utopian) classical sociological theories with a historical and political slant to recent interdisciplinary theories that integrate sociological, psychological, and philosophical approaches. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC362H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC334H1 - Sociology of Mental Health and Mental Disorders

Hours: 24L/12T

An overview of the link between social inequality and emotional inequality, focusing on differences in mental health across social groups and the role of stress and coping resources in explaining group differences. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC363H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC338H1 - Sociology of Women and Work

Hours: 24L/12T

This course focuses on women's paid and unpaid work and the relationship between the two. It analyzes the gender gap in earnings, the sexual segregation of the labour force, the restructuring of paid work, sexual harassment, paid domestic work, and the division of housework and child care. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC366H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC335H1 - Urban Health

Hours: 24L/12T

Cities are home to particular populations (the poor, the homeless, racial and ethnic minorities, immigrants, and the young and old) and have distinct risks and protections relevant to health. Patterns of health in cities, historical developments, and emerging literature and methodology are used to uncover how everyday settings influence health. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC364H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC339H1 - Race, Class, and Gender

Hours: 24L/12T

In this class, we analyze the ways in which race, class, gender and sexuality interact and shape communities, life opportunities, perspectives and politics. We will read contemporary ethnographies concerning work, socialization, and urban life against current sociological theories about inequality and intersectionality, and identity. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC367H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC337H1 - Gender Relations

Hours: 24L/12T

This course examines the dynamics of gender in daily life – in sexuality and intimate relations, in parenting and families, and in paid work and workplace organizations, as well as in popular culture. It examines the social construction of gender in individuals and in social organizations, in order to understand gender inequality. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC365H1

Recommended Preparation: SOC265H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC340H1 - Comparative Political Sociology

Hours: 24L/12T

The study of comparative (historical and cross-national) variation in outcomes that are the subject of research by political sociologists. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC371H1

Recommended Preparation: SOC260H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC341H1 - Production and Consumption of Culture

Hours: 24L/12T

Social structure of formal and informal groups producing culture; careers in such cultural worlds; the effect of how culture is produced on the nature of culture; how culture is consumed and received; the prestige of different cultural forms and their changes over time. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC382H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC344H1 - Sociology of Everyday Life

Hours: 24L/12T

This course explores the phenomenological and organizational foundation of everyday experience. It focuses on the structure and social interactions that shape everyday life, and explains the social order that makes everyday life seem smooth and relatively effortless. The course offers experience in qualitative research and writing. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC388H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC342H1 - The Sociology of Women and International Migration

Hours: 24L/12T

Examines the international migration of women in postindustrial economies with emphasis on Canada. Topics include: theories of female migration; the impacts of immigration policies; migration trends and entry status; integration issues pertaining to family, language knowledge, citizenship and economic status; labour market barriers and public policy considerations. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC383H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC345H1 - Global Inequality

Hours: 24L/12T

This course examines the social processes that characterize stratification and social inequality across the globe, by looking at whether global inequality is growing, shrinking or stagnant and the impact of globalization on global inequality, with particular emphasis on examining disparities over time in education, income/wealth and health. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC308H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC343H1 - Neighbourhoods & Communities in Canada

Hours: 24L/12T

Uses recent and historical data to demonstrate the changing social characteristics of local neighbourhoods and larger communities, as these have been affected by industrialization, immigration and other factors and as they affect the life chances of their residents.

Provides students with active learning experiences through research activities using Census data. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC384H1

Recommended Preparation: SOC202H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC346H1 - Sociology of Health Care

Hours: 24L/12T

Examines factors that influence the organizational structure of health care systems, how these organizations develop, how they are maintained, and how they can be changed. Topics also include the social forces that influence the relationship between healthcare providers and consumers. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC316H1; SOC244H1; SOC333H5

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC347H1 - Immigration and Race Relations in Canada

Hours: 24L/12T

Examines the economic, social, cultural and political impacts of 20th century immigration in Canada, and emerging race and ethnic relations. Topics include immigration policy; population impact; community formation; labour markets; enclave economies; welfare use by immigrants; the criminal justice system; racial conflict; multiculturalism and race; and equity policies. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC311H1; SOC336H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC351H1 - New Topics in Sociology

Hours: 24L/12T

An opportunity for students to explore new topics in sociology. Topics vary from year to year based on the instructor. Consult the Departmental website: <http://sociology.utoronto.ca/st-george-campus/courses-3/new-topics-in-sociology/>. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 plus two of the following (1.0 FCE): SOC251H1, SOC252H1, SOC254H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC352H1 - New Topics in Sociology

Hours: 24L/12T

An opportunity for students to explore new topics in sociology. Topics vary from year to year based on the instructor. Consult the Departmental website: <http://sociology.utoronto.ca/st-george-campus/courses-3/new-topics-in-sociology/>. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 plus two of the following (1.0 FCE): SOC251H1, SOC252H1, SOC254H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC353H1 - New Topics in Sociology

Hours: 24L/12T

An opportunity for students to explore new topics in sociology. Topics vary from year to year based on the instructor. Consult the Departmental website: <http://sociology.utoronto.ca/st-george-campus/courses-3/new-topics-in-sociology/>. Restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 plus two of the following (1.0 FCE): SOC251H1, SOC252H1, SOC254H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC348H1 - Culture and Inequality

Hours: 24L/12T

How location in socioeconomic, ethnic, gender, and generational groups shapes individual cultural repertoires; how culture affects individual positions in stratification hierarchies; and the role of culture in group boundaries and struggles. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 & 1.0 FCE from SOC251H1/ SOC252H1/ SOC254H1

Exclusion: SOC281H1; SOC381H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC350H1 - New Topics in Sociology

Hours: 24L/12T

An opportunity for students to explore new topics in sociology. Topics vary from year to year based on the instructor. Consult the Departmental website: <http://sociology.utoronto.ca/st-george-campus/courses-3/new-topics-in-sociology/>. This is a program-only course and is restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 plus two of the following (1.0 FCE): SOC251H1, SOC252H1, SOC254H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC354H1 - New Topics in Sociology

Hours: 24L/12T

An opportunity for students to explore new topics in sociology. Topics vary from year to year based on the instructor. Consult the Departmental website: <http://sociology.utoronto.ca/st-george-campus/courses-3/new-topics-in-sociology/>. Restricted to sociology majors and specialists.

Prerequisite: SOC201H1, SOC202H1, SOC204H1 plus two of the following (1.0 FCE): SOC251H1, SOC252H1, SOC254H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC357H1 - Lives in Canada

Hours: 24L

The life course in Canada, in the twentieth century and today, with some comparisons to other first world countries. How lives have changed over the past century; how lives are affected by history and social location; the impact of the life trajectories on health and crime.

Prerequisite: 1.0 SOC FCE at the 200+ level

Exclusion: SOC257H1, SOC332H1

Recommended Preparation: SOC220H1 or SOC281H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC355H1 - Introduction to Social Network Analysis

Hours: 24L

This course covers the fundamentals of the social network perspective, including a short introduction to social network theory and a survey of major findings in social network research. We will study how patterns of relations between social actors develop and how they affect outcomes such as health, status attainment, and inequality. Students will write a proposal to conduct research from a social network perspective.

Prerequisite: 1.0 SOC FCE at the 200+ level

Exclusion: SOC330H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC360H1 - Social Movements

Hours: 24L

This course examines the sociological study of collective action. Students will explore how movements in a variety of historical and global contexts endeavor to produce social change. In this process, we will examine political and cultural opportunities and obstacles, organizational dynamics, resources, collective action frames, strategies and tactics.

Prerequisite: 1.0 SOC FCE at the 200+ level

Exclusion: SOC279H1; SOC329H1

Recommended Preparation: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC356H1 - Technology and Society

Hours: 24L

This course analyzes the interplay between new communication technologies and society. It will consider how technological developments affect social systems, and conversely, how social systems affect the nature and use of technology. Much of the course will be devoted to studying the impact of computerization and the advent of the information highway.

Prerequisite: 1.0 SOC FCE at the 200+ level

Exclusion: SOC331H1; SOC356Y1

Recommended Preparation: SOC201H1 OR SOC203H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC362H1 - Quality of Institutions and Lives

Hours: 24L

Theory and research on quality of life encompass studies of subjective dimensions of individual wellbeing, such as happiness, and studies that focus on objective indicators of the quality of institutions and settings, such as child mortality rates. Quality-of-life theories range from (sometimes utopian) classical sociological theories with a historical and political slant to recent interdisciplinary theories that integrate sociological, psychological, and philosophical approaches.

Prerequisite: 1.0 SOC FCE at the 200+ level

Exclusion: SOC333H1

Recommended Preparation: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC363H1 - Sociology of Mental Health and Mental Disorders

Hours: 24L

An overview of the link between social inequality and emotional inequality, focusing on differences in mental health across social groups and the role of stress and coping resources in explaining group differences.

Prerequisite: 1.0 SOC FCE at the 200+ level

Exclusion: SOC334H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC366H1 - Sociology of Women and Work

Hours: 24L

This course focuses on women's paid and unpaid work and the relationship between the two. It analyzes the gender gap in earnings, the sexual segregation of the labour force, the restructuring of paid work, sexual harassment, paid domestic work, and the division of housework and child care.

Prerequisite: 1.0 SOC FCE at the 200+ level

Exclusion: SOC338H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC364H1 - Urban Health

Hours: 24L

Cities are home to particular populations (the poor, the homeless, racial and ethnic minorities, immigrants, and the young and old) and have distinct risks and protections relevant to health. Patterns of health in cities, historical developments, and emerging literature and methodology are used to uncover how everyday settings influence health.

Prerequisite: 1.0 SOC FCE at the 200+ level

Exclusion: SOC335H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC367H1 - Race, Class, and Gender

Hours: 24L

In this class, we analyze the ways in which race, class, gender and sexuality interact and shape communities, life opportunities, perspectives and politics. We will read contemporary ethnographies concerning work, socialization, and urban life against current sociological theories about inequality and intersectionality, and identity.

Prerequisite: 1.0 SOC FCE at the 200+ level

Exclusion: SOC339H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC365H1 - Gender Relations

Hours: 24L

This course examines the dynamics of gender in daily life – in sexuality and intimate relations, in parenting and families, and in paid work and workplace organizations, as well as in popular culture. It examines the social construction of gender in individuals and in social organizations, in order to understand gender inequality.

Prerequisite: 1.0 SOC FCE at the 200+ level

Exclusion: SOC337H1

Recommended Preparation: SOC265H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC370H1 - Immigration and Employment

Previous Course Number: SOC439H1

Hours: 24L

This course examines the labour market and employment situation of immigrants emphasizing recent Canadian experience in comparative context. Topics include immigrant human capital, declining immigrant earnings, immigrant skill-underutilization, impact of the knowledge economy, racial discrimination, labour market structure and unionization, immigrant entrepreneurship and experiences of the Canadian-born second generation.

Prerequisite: 1.0 SOC FCE at the 200+ level

Exclusion: SOC319H1

Recommended Preparation: SOC317Y1 or SOC336H1 or SOC366H1 or SOC383H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC371H1 - Comparative Political Sociology**Hours:** 24L

The study of comparative (historical and cross-national) variation in outcomes that are the subject of research by political sociologists.

Prerequisite: 1.0 SOC FCE at the 200+ level**Exclusion:** SOC340H1**Recommended Preparation:** SOC260H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**SOC383H1 - The Sociology of Women and International Migration****Hours:** 24L

Examines the international migration of women in postindustrial economies with emphasis on Canada. Topics include: theories of female migration; the impacts of immigration policies; migration trends and entry status; integration issues pertaining to family, language knowledge, citizenship and economic status; labour market barriers and public policy considerations.

Prerequisite: 1.0 SOC FCE at the 200+ level**Exclusion:** SOC342H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**SOC381H1 - Culture and Inequality****Hours:** 24L

How location in socioeconomic, ethnic, gender, and generational groups shapes individual cultural repertoires; how culture affects individual positions in stratification hierarchies; and the role of culture in group boundaries and struggles.

Prerequisite: 1.0 SOC FCE at the 200+ level**Exclusion:** SOC281H1; SOC348H1**Recommended Preparation:** Social Science**Breadth Requirements:** Society and its Institutions (3)**SOC384H1 - Neighbourhoods & Communities in Canada****Hours:** 24L

Uses recent and historical data to demonstrate the changing social characteristics of local neighbourhoods and larger communities, as these have been affected by industrialization, immigration and other factors and as they affect the life chances of their residents.

Provides students with active learning experiences through research activities using Census data.

SOC382H1 - Production and Consumption of Culture**Hours:** 24L

Social structure of formal and informal groups producing culture; careers in such cultural worlds; the effect of how culture is produced on the nature of culture; how culture is consumed and received; the prestige of different cultural forms and their changes over time.

Prerequisite: 1.0 SOC FCE at the 200+ level**Exclusion:** SOC381Y1; SOC341H1**Recommended Preparation:** Social Science**Breadth Requirements:** Society and its Institutions (3)**SOC386H1 - New Topics in Sociology****Hours:** TBA

An opportunity to explore new topics in sociology. Topics vary from year to year based on the instructor. Consult the Departmental website: <http://sociology.utoronto.ca/st-george-campus/courses-3/new-topics-in-so...>

Prerequisite: 1.0 SOC FCE at the 200+ level**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)

SOC387H1 - New Topics in Sociology

Hours: 24L

An opportunity to explore new topics in sociology. Topics vary from year to year based on the instructor. Consult the Departmental website: <http://sociology.utoronto.ca/st-george-campus/courses-3/new-topics-in-sociology/>

Prerequisite: 1.0 SOC FCE at the 200+ level

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC388H1 - Sociology of Everyday Life

Hours: 24L

This course explores the phenomenological and organizational foundation of everyday experience. It focuses on the structure and social interactions that shape everyday life, and explains the social order that makes everyday life seem smooth and relatively effortless. The course offers experience in qualitative research and writing.

Prerequisite: 1.0 SOC FCE at the 200+ level

Exclusion: SOC344H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC390Y1 - Independent Research

Hours: TBA

Independent Research courses allow students to pursue a specific topic of interest. These courses are offered at the 300-level, as full or half courses. Students work independently with a professor in the Department who acts as research supervisor. There are no formal class meetings, lectures, or readings other than what is agreed to with the supervisor. Professors accept supervisory responsibility at their discretion. They are not required to serve as research supervisors. It is recommended that students approach a professor working in the same sub-discipline of sociology. Often students become interested in a topic through a SOC course and approach the instructor of that course for supervision; however, this is not required. Not eligible for CR/NCR option. For further details, please visit our website at: <http://sociology.utoronto.ca/st-george-campus/courses-3/independent-research-course/>

Prerequisite: Students must have completed 10.0 courses towards their degree, plus a SOC course at the 300+ level to be eligible for 300-level Independent Research.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC391H1 - Independent Research

Hours: TBA

Independent Research courses allow students to pursue a specific topic of interest. These courses are offered at the 300-level, as full or half courses. Students work independently with a professor in the Department who acts as research supervisor. There are no formal class meetings, lectures, or readings other than what is agreed to with the supervisor. Professors accept supervisory responsibility at their discretion. They are not required to serve as research supervisors. It is recommended that students approach a professor working in the same sub-discipline of sociology. Often students become interested in a topic through a SOC course and approach the instructor of that course for supervision; however, this is not required. Not eligible for CR/NCR option. For further details, please visit our website at: <http://sociology.utoronto.ca/st-george-campus/courses-3/independent-research-course/>

Prerequisite: Students must have completed 10.0 courses towards their degree, plus a SOC course at the 300+ level to be eligible for 300-level Independent Research.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC392H1 - Independent Research

Hours: TBA

Independent Research courses allow students to pursue a specific topic of interest. These courses are offered at the 300-level, as full or half courses. Students work independently with a professor in the Department who acts as research supervisor. There are no formal class meetings, lectures, or readings other than what is agreed to with the supervisor. Professors accept supervisory responsibility at their discretion. They are not required to serve as research supervisors. It is recommended that students approach a professor working in the same sub-discipline of sociology. Often students become interested in a topic through a SOC course and approach the instructor of that course for supervision; however, this is not required. Not eligible for CR/NCR option. For further details, please visit our website at: <http://sociology.utoronto.ca/st-george-campus/courses-3/independent-research-course/>

Prerequisite: Students must have completed 10.0 courses towards their degree, plus a SOC course at the 300+ level, to be eligible for 300-level Independent Research.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC393H1 - New Topics in Sociology**Hours:** TBA

An opportunity to explore new topics in sociology. Topics vary from year to year based on the instructor. Consult the Departmental website: <http://sociology.utoronto.ca/st-george-campus/courses-3/new-topics-in-so...>

Prerequisite: 1.0 SOC FCE at the 200+ level**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**SOC396H1 - New Topics in Sociology****Hours:** TBA

An opportunity to explore new topics in sociology. Topics vary from year to year based on the instructor. Consult the Departmental website: <http://sociology.utoronto.ca/st-george-campus/courses-3/new-topics-in-so...>

Prerequisite: 1.0 SOC FCE at the 200+ level**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**SOC393Y0 - Selected Topics in Sociological Research****Hours:** TBA**SOC394H1 - New Topics in Sociology****Hours:** TBA

An opportunity to explore new topics in sociology. Topics vary from year to year based on the instructor. Consult the Departmental website: <http://sociology.utoronto.ca/st-george-campus/courses-3/new-topics-in-so...>

Prerequisite: 1.0 SOC FCE at the 200+ level**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**SOC397H1 - New Topics in Sociology****Hours:** TBA

An opportunity to explore new topics in sociology. Topics vary from year to year based on the instructor. Consult the Departmental website: <http://sociology.utoronto.ca/st-george-campus/courses-3/new-topics-in-so...>

Prerequisite: 1.0 SOC FCE at the 200+ level**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**SOC398H0 - Research Excursions****Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Prerequisite: Minimum of one SOC course at the 300+ level**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**SOC398Y0 - Research Excursions****Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Prerequisite: Minimum of one SOC course at the 300+ level**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)

SOC399Y1 - Research Opportunity Program**Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

SOC412H1 - Medicalization of Deviance**Hours:** 24L

This course examines the sociological implications associated with the growing dominance of psychiatry over designating and managing the margins of 'normality' and 'deviance.' It covers the evolution of the DSM and rise of deinstitutionalization, the importance of stigma and symbolic interactionist understandings of psychiatric diagnoses, and the methods of social control used to mitigate risk and reduce social deviance within the psychiatric and criminal justice systems. Emphasis will be placed on understanding the social implications of mental health labels. Restricted to 4th-year sociology majors and specialists.

Prerequisite: 1.0 SOC FCE at the 300+ level**Recommended Preparation:** SOC313H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**SOC413H1 - Sociology of Punishment****Hours:** 24L

This course considers the history of penology, theories of penal development and current trends. Particular attention will be paid to cross-national variations in punishment and what these reveal about the relevance of particular theories and the importance of culture in understanding historical developments in punishment. Restricted to 4th-year sociology majors and specialists.

Prerequisite: 1.0 SOC FCE at the 300+ level**Exclusion:** WDW340H1**Recommended Preparation:** SOC313H1 or SOC315H1 or SOC212H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**SOC422H1 - Advanced Studies in Political Sociology****Hours:** 24L

This fourth year course will provide an advanced treatment of selected topics in political Sociology. Specific topics to be covered are the relationship between political systems and cleavage voting, the relationship between social class and attitudes and voting, the post-materialist thesis, social capital and civic participation, gender politics, the various varieties, causes and effects of welfare states, and social movements. The course will have both a Canadian and international focus. Restricted to 4th-year sociology majors and specialists.

Prerequisite: 1.0 SOC FCE at the 300+ level**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**SOC427H1 - Families and Health****Hours:** 24L

Examines the competing theoretical, policy and therapeutic responses to a variety of family health problems, including addictions, chronic physical illnesses, and mental illness, as well as the effects of illness on family life and family coping. The links between theory and practice provide the basis for discussion of knowledge transfer. Restricted to 4th-year sociology majors and specialists.

Prerequisite: 1.0 SOC FCE at the 300+ level**Recommended Preparation:** SOC314H1 or SOC363H1 or SOC364H1 or SOC478H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**SOC448H1 - Sociology & Emotions****Hours:** 24L

From social cohesion to intergroup violence, emotional processes influence social outcomes. Moral aspects of experience in particular are linked to emotions such as shame and pride. Students in this course will review major theories of, and a variety of empirical approaches to, the link between social and emotional processes. They will be encouraged to extend ideas and analyses in the published literature to new topics. Restricted to 4th-year sociology majors and specialists.

Prerequisite: 1.0 SOC FCE at the 300+ level (preferably selected from the Recommended Preparation list for this course)**Recommended Preparation:** SOC313H1 or SOC355H1 or SOC362H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)

SOC455H1 - Researching from a Social Network Perspective

Hours: 24L

The course will cover methods for analyzing social network data and familiarize students with software created for working with these data. Each student will complete an empirical research project. Restricted to 4th-year sociology majors and specialists.

Prerequisite: 1.0 SOC FCE at the 300+ level

Recommended Preparation: SOC357H1 or SOC388H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC479H1 - Advanced Studies in Social Movements

Hours: 24L

This course focuses on current debates and research findings in the study of social movements. Restricted to 4th-year sociology majors and specialists.

Prerequisite: 1.0 SOC FCE at the 300+ level (preferably selected from the Recommended Preparation list for this course)

Exclusion: SOCC04H3

Recommended Preparation: SOC371H1 or SOC478H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC465H1 - Advanced Studies in Gender

Hours: 24L

This course explores major questions about the nature of gender and gender inequality. The course requires a careful review of key theoretical and empirical work addressing one of these questions and the completion of a research project. Restricted to 4th-year sociology majors and specialists.

Prerequisite: 1.0 SOC FCE at the 300+ level.

Recommended Preparation: SOC214H1 or SOC366H1 or SOC367H1 or SOC365H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC481H1 - Culture and Social Networks

Hours: 24L

Relationships between various forms of culture and the networks connecting both individual people and organizations creating culture. Restricted to 4th-year sociology majors and specialists.

Prerequisite: 1.0 SOC FCE at the 300+ level (preferably selected from the Recommended Preparation list for this course)

Recommended Preparation: SOC355H1 or SOC382H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC478H1 - Social Context of Public Policy

Hours: 24L

This course explores how policy processes and frameworks need to be evaluated in light of the social context in which they are developed. Factors to be considered include the interplay between public values and expectations and public policy; the implications of cultural diversity and demographic change, and understandings of ethical principles of conduct in public organizations. A related goal is to help students learn how to use empirical research to answer highly contested issues in policy circles and in public life. These objectives are pursued by introducing students to major trends in inequality in Canada, assessing these trends within a comparative context, reflecting on their normative implications, and examining alternative policy responses to these developments. Restricted to 4th-year sociology majors and specialists.

Prerequisite: 1.0 SOC FCE at the 300+ level.

Recommended Preparation: SOC303H1 or SOC304H1 or SOC314H1 or SOC363H1 or SOC364H1 or SOC365H1 or SOC371H1 or SOC383H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC483H1 - Culture and Cognition

Hours: 24L

This course examines the social foundations of thinking and action, with a focus on how individuals think and act through shared cognitive schemas that are embedded in larger social structures. The course is organized around a wide-ranging array of classical and contemporary theories that help explain the various factors that shape culture and cognition. There is a research component to put this analytical understanding into practice. Restricted to 4th-year sociology majors and specialists.

Prerequisite: 1.0 SOC FCE at the 300+ level

Exclusion: SOC483Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC484H1 - Children of Immigrants

Hours: 24L

Nearly one-quarter of Canada's population are immigrant offspring, defined as those who immigrate as children or those who are Canadian born with foreign born parents. This course examines sociological perspectives, language and bilingualism, racial and ethnic identities, family structure and relationships, marriage, education and labour market experiences of immigrant offspring. Restricted to 4th-year sociology majors and specialists.

Prerequisite: 1.0 SOC FCE at the 300+ level (preferably selected from the Recommended Preparation list for this course)

Recommended Preparation: SOC303H1 or SOC304H1 or SOC305H1 or SOC314H1 or SOC383H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC488H1 - Mental Health over the Life Course

Hours: 24L

This course is a research-based exploration of mental health at all stages of life, from birth to death. It emphasizes the long-term consequences for mental health of childhood adversities and disadvantage, major life transitions, and turning points in the life course. Restricted to 4th-year sociology majors and specialists.

Prerequisite: 1.0 SOC FCE at the 300+ level

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC489H1 - New Topics in Sociology

Hours: TBA

An opportunity to explore new topics in sociology. Topics vary from year to year based on the instructor. Restricted to 4th-year sociology majors and specialists. Consult the Departmental website: <http://sociology.utoronto.ca/st-george-campus/courses-3/new-topics-in-sociology/>

Prerequisite: 1.0 SOC FCE at the 300+ level

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC485H1 - New Topics in Sociology

Hours: TBA

An opportunity to explore new topics in sociology. Topics vary from year to year based on the instructor. Consult the Departmental website: <http://sociology.utoronto.ca/st-george-campus/courses-3/new-topics-in-sociology/>. Restricted to 4th-year sociology majors and specialists.

Prerequisite: 1.0 SOC FCE at the 300+ level

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC490Y1 - Independent Research

Hours: TBA

Independent Research courses allow students to pursue a specific topic of interest. These courses are offered at the 400-level, as full or half courses. Students work independently with a professor in the Department who acts as research supervisor. There are no formal class meetings, lectures, or readings other than what is agreed to with the supervisor. Professors accept supervisory responsibility at their discretion. They are not required to serve as research supervisors. It is recommended that students approach a professor working in the same sub-discipline of sociology. Often students become interested in a topic through a SOC course and approach the instructor of that course for supervision; however, this is not required. Not eligible for CR/NCR option. For further details, please visit our website at: <http://sociology.utoronto.ca/st-george-campus/courses-3/independent-research-course/>

Prerequisite: Students must have completed 15.0 courses towards their degree, plus a SOC course at the 300+ level to be eligible for 400-level Independent Research.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC486H1 - Advanced Topics in Urban Sociology

Hours: 24L

This course offers real world observation and abundant examples that speak to the strengths and limitations of particular theory, data, and methods for studying urban problems. Students undertake a supervised research project that involves identifying, observing and reflecting on real phenomena in the urban environment. Restricted to 4th-year sociology specialists and majors.

Prerequisite: 1.0 SOC FCE at the 300+ level

Recommended Preparation: SOC312H1 or SOC364H1 or SOC384H1 or SOC205H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC491H1 - Independent Research

Hours: TBA

Independent Research courses allow students to pursue a specific topic of interest. These courses are offered at the 400-level, as full or half courses. Students work independently with a professor in the Department who acts as research supervisor. There are no formal class meetings, lectures, or readings other than what is agreed to with the supervisor. Professors accept supervisory responsibility at their discretion. They are not required to serve as research supervisors. It is recommended that students approach a professor working in the same sub-discipline of sociology. Often students become interested in a topic through a SOC course and approach the instructor of that course for supervision; however, this is not required. Not eligible for CR/NCR option. For further details, please visit our website at: <http://sociology.utoronto.ca/st-george-campus/courses-3/independent-research-course/>

Prerequisite: Students must have completed 15.0 courses towards their degree, plus a SOC course at the 300+ level to be eligible for 400-level Independent Research.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC493H1 - New Topics in Sociology

Hours: TBA

An opportunity to explore new topics in sociology. Topics vary from year to year based on the instructor. Restricted to 4th-year sociology majors and specialists. Consult the Departmental website: <http://sociology.utoronto.ca/st-george-campus/courses-3/new-topics-in-so...>

Prerequisite: 1.0 SOC FCE at the 300+ level

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC494H1 - New Topics in Sociology

Hours: TBA

An opportunity to explore new topics in sociology. Topics vary from year to year based on the instructor. Restricted to 4th-year sociology majors and specialists. Consult the Departmental website: <http://sociology.utoronto.ca/st-george-campus/courses-3/new-topics-in-so...>

Prerequisite: 1.0 SOC FCE at the 300+ level

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC495H1 - New Topics in Sociology

Hours: TBA

An opportunity to explore new topics in sociology. Topics vary from year to year based on the instructor. Restricted to 4th-year sociology majors and specialists. Consult the Departmental website: <http://sociology.utoronto.ca/st-george-campus/courses-3/new-topics-in-so...>

Prerequisite: 1.0 SOC FCE at the 300+ level

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC496H1 - New Topics in Sociology

Hours: TBA

An opportunity to explore new topics in sociology. Topics vary from year to year based on the instructor. Restricted to 4th-year sociology majors and specialists. Consult the Departmental website: <http://sociology.utoronto.ca/st-george-campus/courses-3/new-topics-in-so...>

Prerequisite: 1.0 SOC FCE at the 300+ level

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC497H1 - New Topics in Sociology

Hours: TBA

An opportunity to explore new topics in sociology. Topics vary from year to year based on the instructor. Restricted to 4th-year sociology majors and specialists. Consult the Departmental website:
<http://sociology.utoronto.ca/st-george-campus/courses-3/new-topics-in-so...>

Prerequisite: 1.0 SOC FCE at the 300+ level

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC498H1 - New Topics in Sociology

Hours: TBA

An opportunity to explore new topics in sociology. Topics vary from year to year based on the instructor. Restricted to 4th-year sociology majors and specialists. Consult the Departmental website:
<http://sociology.utoronto.ca/st-george-campus/courses-3/new-topics-in-so...>

Prerequisite: 1.0 SOC FCE at the 300+ level

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

SOC499H1 - New Topics in Sociology

Hours: TBA

An opportunity to explore new topics in sociology. Topics vary from year to year based on the instructor. Restricted to 4th-year sociology majors and specialists. Consult the Departmental website:
<http://sociology.utoronto.ca/st-george-campus/courses-3/new-topics-in-so...>

Prerequisite: 1.0 SOC FCE at the 300+ level

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

South Asian Studies

Students study South Asia in an approach attentive to global formations. They are introduced to the study of South Asia—Bangladesh, India, Pakistan, Nepal, Sri Lanka—through a wide angle view of Asian modernities, political economies, and cultures, all the while delving into to specialist close-ups of South Asia. With open access to comparative courses in the Contemporary Asian Studies program, students can learn from specialists in South, East, and Southeast Asia.

With a curriculum motivated by the moving present—the changing face of South Asia today—the South Asian Studies minor offers rigorous training in major debates and questions in the rich field of South Asian Studies, and provides a basic foundation for many directions of future study. From historical contexts of ethnic conflict, to postcolonial readings of ancient traditions, to the politics of religious and ethnic identities, to the workings of vast-scale democracy and capitalism, to the worlds of cinema and public culture, students are exposed to the dynamic landscapes—political, material, and mythic—that constitute South Asia today.

Students may also be interested in the closely connected Contemporary Asian Studies program.

Contact:

Program Advisor
Munk School of Global Affairs & Public Policy, 1 Devonshire Place,
room 228N
ai.asianstudies@utoronto.ca
416-946-8832

South Asian Studies Programs

South Asian Studies Minor (Arts Program) - ASMIN1333

Completion Requirements:

(4 full courses or their equivalent)

1. [SAS114H1](#)
2. 1.0 FCE in 200 level CAS courses ([CAS200H1](#), [CAS201H1](#), [CAS202H1](#))
3. [SAS318H1](#) or [HIS282Y1](#)
4. 0.5 FCE in 300 level CAS courses
5. Additional 1.0 or 1.5 FCEs (as necessary to total 4.0 FCEs in minor) from the list of eligible courses found below.

Courses Eligible for Program Credit

In addition to SAS courses and CAS courses with significant South Asia content, students may choose from the following courses as electives. For full course descriptions, please check with the sponsoring departments. Not all electives are offered every year. Students are responsible for checking co- and pre-requisites for all elective courses as well as priority controls. Students who wish to count courses towards the program that are not listed here (including U of T courses and transfer credits) must seek permission from the program director IN ADVANCE. Course approval is not guaranteed and will be given at the discretion of the program

director. Please consult the program advisor at ai.asianstudies@utoronto.ca with questions.

- [CDN230H1: Asian Canadian History](#)
- [ENG369H1: South Asian Literatures in English](#)
- [FAH364H1: Visual South Asia*](#)
- [FAH466H1: Photography in India](#)
- [HIS282Y1: History of South Asia](#)
- [HIS470H1: History, Rights, and Difference in South Asia](#)
- [HIS480H1: Modernity and Its Others: History and Postcolonial Critique](#)
- [HIS494H1: Gandhi's Global Conversations](#)
- [HIN212Y5Y: Introduction to Hindi \(at UTM\)](#)
- [HIN312Y5Y: Intermediate Hindi \(at UTM\)](#)
- [LGGA70H3: Introductory Hindi I \(at UTSc\)*](#)
- [LGGA71H3: Introductory Hindi II \(at UTSc\)*](#)
- [MUS209H1: Performing Arts of South Asia](#)
- [NEW214H1: Socially Engaged Buddhism](#)
- [PHL339H1: Indian Philosophy](#)
- [POL328Y1: Politics and Government in South Asia*](#)
- [POL357Y1: Topics in South Asian Politics](#)
- [POL441H1: Topics in Asian Politics](#)
- [RLG205H1: Hinduism](#)
- [RLG206H1: Buddhism](#)
- [RLG208H1: Sikhism](#)
- [RLG311H1: Gender, Body, and Sexuality in Asian Traditions](#)
- [RLG312H1: Gender, Body, and Sexuality in Islam](#)
- [RLG352H1: Post-Colonial Islam](#)
- [RLG355H1: Anthropology of Islam](#)
- [RLG358H1: Special Topics in Hinduism](#)
- [RLG361H1: Literatures of Hinduism](#)
- [RLG363H1: Bhakti Hinduism](#)
- [RLG364H1: Hinduism and Contemporary Media](#)
- [RLG365H1: Modern Hinduism](#)
- [RLG366H1: Hindu Philosophy \(Godless India\)](#)
- [RLG368H1: Hindu Ways of Living](#)
- [RLG372H1: Engaging Tibet](#)
- [RLG373H1: Buddhist Ritual](#)
- [RLG375H1: Buddhist Thought](#)
- [RLG376H1: Buddhism in South and Southeast Asia](#)
- [RLG377H1: Theravada Literature](#)
- [RLG378H1: Buddhist Borderlands](#)
- [RLG462H1: Newar Religion](#)
- [RLG463H1: Tibetan Buddhism](#)
- [RLG464H1: History and Historiography of Buddhism](#)
- [RLG465H1: Readings in Buddhist Texts*](#)
- [RLG467H1: Reading Mahayana Texts](#)
- [RLG476H1: Caste in Tamil Literature](#)
- [RLG478H1: Burmese Religions](#)
- [RLG472H1: Religion and Aesthetics in South Asia](#)
- [SOC218H1: Asian Communities in Canada](#)
- [SMC456H1: Indian Christianity](#)

*Courses for which South Asian Studies students have priority enrolment

South Asian Studies Courses

SAS114H1 - Introduction to South Asian Studies

Previous Course Number: SAS114Y1

Hours: 24L

An interdisciplinary introduction to South Asian Studies emphasizing inquiry and critical analysis, drawing attention to the specificities of individual nations as well as the factors (historical, political, economic and cultural) that define South Asia as a region. Some attention will be paid to the South Asian Diaspora.

Exclusion: NEW114Y1, SAS114Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

CAS200H1 - Introduction to Contemporary Asian Studies

Hours: 24L

This course is an introduction to Contemporary Asian Studies. It covers detailed case study material from South Asia, Southeast Asia, and East Asia. It introduces students to the interdisciplinary study of political, sociocultural and economic interactions among these regions, as well as the transnational forces shaping internal dynamics throughout Asia. In addition, it examines the ways that forces stemming from Asia are affecting global processes, pushing scholarship to engage questions about colonialism, nationalism, "race," religion, markets, urbanization, migration, and mass mediated culture. This course provides preparation for more advanced courses on Asia and globalization and provides an introductory gateway for the Contemporary Asian Studies major and minor. May be taken in the first year of studies.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CAS201H1 - Global Asian Studies: Insights and Concepts

Previous Course Number: CAS200Y1

Hours: 24L

This course addresses Asia empirically in contemporary global formations and as an idea in the global imagination. It introduces students to concepts and theories central to scholarship on Asia and its transnational formations. It provides foundational theoretical and conceptual material to understand global issues as they play out in the politics, economies, cultures and contemporary social worlds of contemporary Asian sites. Interdisciplinary analytical and research concepts are introduced to provide area studies grounding. This course provides preparation to delve into deeper research on Asia connected to broad questions about the natures of democracy, authoritarianism, market formation, social justice, and the media of cultural expression. It informs students aiming to take more advanced courses on Asia and globalization and provides one part of the foundation for the Contemporary Asian Studies major and minor. CAS201H1 introduces the theoretical and conceptual frameworks that are explored through further grounded empirical case studies in upper year CAS courses.

Exclusion: CAS200Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CAS202H1 - Global Asian Studies: Sites and Practices

Previous Course Number: CAS200Y1

Hours: 24L

This interdisciplinary course explores a variety of sites and topics in South, Southeast, and East Asia. It explores themes including contemporary and historical articulations of socio-economic development, (post)colonial political formations, urbanization processes, climate change, labour struggles, gender studies, migration, citizenship, and social justice. The course examines the diversity of Asian modernities, cross-regional linkages, and changing approaches to area studies over time. It provides a foundation for the Contemporary Asian Studies major and minor, preparing students for taking more advanced courses on Asia in the global context.

Exclusion: CAS200Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CAS310H1 - Comparative Colonialisms in Asia

Hours: 24L

This course analyzes the impact of colonialism in South, East, and Southeast Asia and the various ways in which pre-colonial traditions intersect with and reshape colonial and postcolonial process across the various regions of Asia. The course will examine the conjunctures of economy, politics, religion, education, ethnicity, gender, and caste, as these have played out over time in the making and re-making of Asia as both idea and place. Attention will be paid to postcolonial and indigenous theories, questions of 'the colonial' from the perspective of Asian Studies, and debates about the meaning of postcolonialism for the study of Asia now and in the future.

Prerequisite: 0.5 FCE in 200 level CAS courses

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

CAS350H1 - Asian Youth Cultures

Hours: 24L

In focusing on youth in Asia, this course brings together two disputed cultural formations of substantial contemporary importance. Both youth and Asia are increasingly invoked on the global stage in support of a wide range of interests. Examining practices of young people and the idea of youth in the context of Asia requires critical attention to the promises and fears that attach to the rise of Asian economies, international demographic transitions, the growth of a global middle-class, increasing consumption disparities, changing immigration patterns, expanding technological skills, global/local environmental concerns, and young people's shifting political priorities and loyalties. The course may feature a significant amount of social theory, with authors such as Michel Foucault, Roland Barthes, Louis Althusser, and Stuart Hall.

Prerequisite: Minimum of 6 FCEs

Recommended Preparation: 0.5 FCE in 200 level CAS courses

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Creative and Cultural Representations (1)

SAS318H1 - Colonialism and Tradition

Hours: 24L

This course analyzes the impact of colonialism in South Asia and the various ways in which tradition intersects with and has reshaped colonialism in postcolonial South Asia. The course will examine the role of religion, education, ethnicity, gender, and caste. Some attention will be paid to postcolonial and indigenous theory.

Prerequisite: At least 6 FCEs

Recommended Preparation: SAS114H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

CAS360H1 - Asian Genders

Hours: 24L

This course will explore ways that gender is mobilized and produced in parts of Asia. It seeks to understand gender and sexuality in their diversity and in attempts to "fix" or locate it in various bodies and places. Attempts will be made to see how gender is made knowable in terms of sexuality, medicine, nation, class, ethnicity, religion, and other discourses. The course assumes a willingness to read challenging theory – such as the writings of Judith Butler, Michel Foucault, and Eve Sedgwick – and asks that students commit to regular attendance.

Prerequisite: Minimum of 6 FCEs

Recommended Preparation: 0.5 FCE in 200 level CAS courses

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CAS320H1 - Comparative Modernities in Asia

Hours: 24L

Since at least the late 1700s, the effects of capitalism across the globe have profoundly transformed the landscapes of human livelihood, consumption, production and governance in Asia. While colonial empires have declined, new empires have emerged, and a growing number of countries have witnessed the rise of nationalism and independent states, social, political and technological revolutions, and most recently neoliberal globalization. This course theorizes and explores these dramatic changes in a comparative framework. It is aimed at students wishing to better understand the great transformations of modern Asia in a global context.

Prerequisite: 0.5 FCE in 200 level CAS courses

Recommended Preparation: CAS202H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

CAS370H1 - Asian Cities

Hours: 24L

This course offers a multidisciplinary perspective of urban life in Asia. The thematic focus will be on how the urban intersects with modernities and postcolonial formations. Drawing on recent scholarship in the social sciences and the humanities, we will examine the realignment of cultural, political, and economic forces associated with Asia's diverse processes of urbanization.

Prerequisite: Minimum of 6 FCEs

Recommended Preparation: 0.5 FCE in 200 level CAS courses

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CAS390H1 - Special Topics**Hours:** 24L

Course content varies in accordance with the interest of the instructor. Check <http://munkschool.utoronto.ca/ai/cas> for an updated description.

Prerequisite: Minimum of 6 FCEs**Recommended Preparation:** 0.5 FCE in 200 level CAS courses**Distribution Requirements:** Social Science**SAS390H1 - Special Topics in South Asian Studies****Hours:** 24L

Course content varies in accordance with the interest of the instructor.

Prerequisite: SAS114H1 and at least 9 FCEs, or permission from the instructor.**Distribution Requirements:** Humanities**CAS393H1 - Independent Research****Hours:** TBA

Supervised independent research on a topic agreed on by the student and supervisor before enrolment in the course. Open to advanced students with a strong background in contemporary Asian studies. A maximum of one year of Independent Research courses is allowed per program. Contact hours with the supervisor may vary, but typically comprise of one hour per week. Not eligible for CR/NCR option.

Prerequisite: At least 10 FCEs, permission from Program Director**CAS393Y1 - Independent Research****Hours:** TBA

Supervised independent research on a topic agreed on by the student and supervisor before enrolment in the course. Open to advanced students with a strong background in contemporary Asian studies. A maximum of one year of Independent Research courses is allowed per program. Contact hours with the supervisor may vary, but typically comprise of one hour per week. Not eligible for CR/NCR option.

Prerequisite: At least 10 FCEs, permission from Program Director**Distribution Requirements:** Social Science**CAS400H1 - Interdisciplinary Research in Methods in Contemporary Asian Studies****Hours:** 24S

This seminar addresses Asian worlds – In Asia, transnationally, and locally – to cultivate new approaches to global processes and problems. The course explores key Asian sites that open new configurations for studying interactions between economic/environmental development, political change, and migration and cultural politics. It provides an advanced and systematic overview of the research methodologies that students have been exposed to throughout the CAS program. These include historical-archival, ethnographic, visual/media, and statistical/quantitative methods that allow us to map Asian political, economic, and cultural formations, and through them, global challenges. The seminar builds interdisciplinary conversations attentive to both critical problematizing and problem-solving, to qualitative and applied projects. It is the required capstone to the Contemporary Asian Studies major.

Prerequisite: 1.0 FCE in 200 level CAS courses; 1.0 FCE in 300 level CAS courses**Exclusion:** CAS400Y1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**CAS414H1 - Public Culture and Media in Asia****Hours:** 24S

This upper-level seminar will introduce students to the interdisciplinary study of popular culture and mass-mediated cultural forms in Asia. Through readings about popular protest, festivals, cinema, print, television, and music this course provides methodological tools to interpret the politics of representation and the formation of alternative modernities in the Asian continent and among the diaspora. The course will furthermore familiarize students with a range of theoretical lenses for conceptualizing the different meanings of the public from a modern Asian perspective.

Prerequisite: At least 14 FCEs**Exclusion:** NEW414H1, SAS414H1**Recommended Preparation:** 1.0 FCE in 200 level CAS courses; 1.0 FCE in 300 level CAS courses**Distribution Requirements:** Social Science**Breadth Requirements:** Creative and Cultural Representations (1)

CAS420H1 - Asia and the New Global Economy

Previous Course Number: JPA420H1

Hours: 24S

This course explores the rise of Asia and its integration into the new global economy (labour, capitalism, knowledge economy, economic nationalism, inequality, gender, the meaning of capitalism, democracy, among others), exposing students to diverse disciplinary perspectives. Geographical coverage is pan-Asian, including East, Southeast and South Asia.

Prerequisite: At least 14 FCEs

Exclusion: JPA420H1

Recommended Preparation: 1.0 FCE in 200 level CAS courses; 1.0 FCE in 300 level CAS courses

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

CAS450H1 - Asian Pathways Research Practice

Hours: 24S

This seminar builds on the systematic overview of research methodologies of the Contemporary Asian Studies major and its capstone course, CAS400H1. CAS450H1 provides students with the opportunity to research questions of contemporary relevance stemming from Asia and its transnational networks and communities. Addressing a range of methodologies, including historical-archival, ethnographic, visual/media, and statistical/quantitative, the course emphasizes research experience outside the classroom, in Asia as well as locally with communities in Toronto. Students will develop their own research contributions while working collaboratively.

Prerequisite: At least 14 FCEs, including 1.0 FCE in 200 level CAS courses and 1.0 FCE in 300 level CAS courses

Exclusion: CAS400Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CAS430H1 - Nationalism and Revolution in Asia

Hours: 24L

This course explores the far-reaching social, political, and cultural transformations in modern East, Southeast, and South Asia, focusing on the twentieth-century revolutionary histories and struggles to establish modern nation-states. The course adopts a topical approach within a chronological and comparative framework to highlight major historical movements and theoretical issues significant to the Asian experience.

Prerequisite: At least 14 FCEs

Exclusion: HIS382H1, ASI430H1

Recommended Preparation: 1.0 FCE in 200 level CAS courses; 1.0 FCE in 300 level CAS courses

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

CAS498H1 - Independent Research

Hours: TBA

Supervised independent research on a topic agreed on by the student and supervisor before enrolment in the course. Open to advanced students with a strong background in contemporary Asian studies. A maximum of one year of Independent Research courses is allowed per program. Contact hours with the supervisor may vary, but typically comprise of one hour per week. Not eligible for CR/NCR option.

Prerequisite: At least 14 FCEs including CAS200Y1/(CAS201H1 and CAS202H1), CAS310H1; enrolment in the Contemporary Asian Studies major or minor, and permission from the Program Director

Recommended Preparation: CAS320H1

Distribution Requirements: Social Science

CAS498Y1 - Independent Research

Supervised independent research on a topic agreed on by the student and supervisor before enrolment in the course. Open to advanced students with a strong background in contemporary Asian studies. A maximum of one year of Independent Research courses is allowed per program. Contact hours with the supervisor may vary, but typically comprise of one hour per week. Not eligible for CR/NCR option.

Prerequisite: At least 14 FCEs including 1.0 FCE in 200 level CAS courses, 1.0 FCE in 300 level CAS courses, enrolment in the Contemporary Asian Studies major or minor, and permission from the Program Director

Distribution Requirements: Social Science

Spanish

Faculty List

Professors Emeriti

- J.F. Burke, MA, Ph D
- K.A.A. Ellis, MA, Ph D, Dr Fil, FRSC
- R.J. Glickman, AM, Ph D
- J. Gulsoy, MA, Ph D, D Honoris Causa, FRSC
- O. Hegyi, MA, Ph D (UTM)
- P.R. Len, MA, Ph D (S)
- E.G. Neglia, MA, Ph D (UTM)
- A. Percival, MA, Ph D
- W.L. Rolph, MA, Phil M (I)
- R. Skyrme, MA, M Litt, Ph D (S)
- R. Sternberg, MA, PH D (SM)
- M.J. Valdés, MA, Ph D, FRSC, Miembro Correspondiente de la Academia Mexicana (U)
- J.R. Webster, MA, Ph D, FRSC (SM)

Professor and Chair

- L. Colantoni, MA, Ph D

Professors

- A.T. Pérez-Leroux, MA, Ph D
- R. Sarabia, MA, Ph D
- S. Rupp, MA, M Phil, Ph D

Associate Professors

- S. Antebi, MA, Ph D
- M.C. Cuervo, Ph D
- R. Davidson, MA, Ph D
- Y. Iglesias, MA, Ph D
- E. Jagoe, MA, Ph D
- S. Munjic, MA, Ph D
- N.E. Rodríguez, Ph D

Associate Professor, Teaching Stream

- M. Ramírez, MA, Ph D

Assistant Professor, Teaching Stream

- J.C. Rocha Osornio, MA, PhD

Lecturer

- I. Fernández Peláez, MA, Ph D

Spanish is the most widely spoken language of the Americas, with 130 million speakers in North America alone, more than 400 million worldwide, and with growing numbers in Canada. It is the fourth most widely spoken language in the world, and it is the official language in 21 countries on three continents: Europe, Africa, and Latin America.

Spanish opens the door to the study of a rich range of cultural expressions in literature, film, and art, from medieval and early modern Transatlantic world, to the literary and cultural productions of contemporary Spanish and Spanish American societies. The department offers a wide selection of courses at the introductory (second year), intermediate (third year) and advanced (fourth year) level in literature, culture, and linguistics. Students are encouraged to complement and expand on the training they receive in these courses by taking courses in other academic units. By the time of their graduation, our students acquire skills to read analytically fictional and non-fictional, literary and visual texts. They thus gain a deep knowledge of Hispanic cultures, as well as the skills to reflect critically on the world in which they live.

Spanish also opens the door to the study of the Romance language family. The Department offers students the opportunity to advance their language skills through the systematic reflection on the language structure, from the sound system to the morphology and syntax. Through a variety of courses with a theoretical and experimental focus in linguistics, students acquire basic skills that can be transferred to teaching or research programs. Through collaboration with other language and linguistics programs, students are provided with opportunities and training to conduct research in linguistics with a focus on the Spanish language.

What can I do with a degree in Spanish?

Plenty! Spanish is recognized as one of the four United Nations official languages. A degree in Spanish linguistics, literature, and culture opens up career paths both domestically and internationally. The skills that students acquire through the study of Spanish and of the Spanish-speaking world either prepare them directly for or are an asset in some of the following fields:

- media, journalism, marketing, public relations;
- domestic government services and NGOs; foreign services and foreign affairs specialist; international development; political aid,
- commerce, finances, tourism, and hospitality
- post-graduate studies and academic careers; cultural work
- editing, publishing, translation, education
- library and information sciences
- careers in the health profession, including medicine, speech pathology and audiology
- computational linguistics, speech recognition, and synthesis

-For the Portuguese component, see under "Portuguese Program" in this Calendar.

For further information, please contact us in the **Department of Spanish and Portuguese**, Victoria College, Room 208

- Web page: <http://spanport.utoronto.ca/>
- Telephone: (416) 813-4080.
- Email: spanport@chass.utoronto.ca
- Undergraduate Coordinator: (416) 813-4082.
 - E-mail: spanport.undergraduate@utoronto.ca

Introduction

Overview:

The Department offers Specialist, Major and Minor programs, as well as language citation certificate.

How is the program structured?

For many students, our program begins with the language sequence.

Language sequence:

1. The Department reserves the right to place students in the language course best suited to their linguistic preparation.
2. Students who, in the department's assessment, have adequate knowledge of Spanish may be required to take Spanish literature, culture or linguistics course instead of a language course at any level.

The progression of courses in the language sequence is designed to accommodate a wide range of previous language experience. Students are placed in the appropriate language course based on their proficiency, as determined by the online placement test and departmental assessment.

Placement test:

Students who have studied Spanish before joining the department should take the on-line placement test by going to the following link:

<http://spanport.utoronto.ca/undergraduate/spanish>

Please, read carefully the instructions that explain how to take the test. The placement test can be taken only once.

If you cannot assess your placement level from the available information, please contact the Undergraduate Coordinator at spanport.undergraduate@utoronto.ca and you will receive personal advice for placement in the language sequence.

Students with no previous knowledge of Spanish: enroll in SPA100Y1.

The recommended sequence of language courses for those students who have had little or no previous training in the language is the following:

SPA100Y1 > SPA220Y1 > SPA320Y1 > SPA420H1

Students with previous knowledge of Spanish: take the placement test.

Students who have studied Spanish before joining the department may enroll in several courses – beginners', intermediate or advanced – depending on their background and their level of preparation. This includes those students who have traveled or lived briefly in the Spanish-speaking world.

The recommended sequence of language courses for those students who join the department having mastered a beginner's level of Spanish, including those who successfully completed SPA100Y1, is the following:

SPA220Y1 > SPA320Y1 > SPA420H1

The recommended sequence of language courses for those students who join the department having mastered an intermediate level of Spanish, including those who have successfully completed SPA220Y1, is the following:

SPA320Y1 > SPA420H1

Native or bilingual speakers of Spanish:

Those students who have native fluency in Spanish because they have had a life-long exposure to spoken Spanish in an informal context (i.e., those who have lived in a Spanish-speaking country, or those who live in a Spanish-speaking family) – should enroll in SPA219Y1. Students who qualify for this course have distinctly different learning needs than those students who learned Spanish as a foreign language. They have a native knowledge of the language and are able to understand and speak Spanish, but they have had little or no exposure to written Spanish. The recommended language sequence for such students is the following: SPA219Y1 > SPA420H1

Students who have completed the equivalent of a high school degree or higher level of education in a Spanish-speaking country can skip the language sequence. However, if they have not studied descriptive grammar, they should enroll in SPA420H1. Please consult the Undergraduate Coordinator for placement advice.

Fluent (native) speakers of Spanish who have received high school degree, or a higher level of education in the Spanish language, and who in the department's assessment do not need further training in language, may enroll immediately in any literature, culture or linguistics course.

Throughout the language sequence, stress is laid both on the cultural component of language acquisition and on the range of practical applications to which both the spoken and the written language may be put. Courses in business Spanish and in the structure of the Spanish language provide an array of possible options for students in the upper years.

Literature, culture and linguistics courses:

Students are encouraged to enroll early on in their academic career in several second-year courses as they transition from the language sequence (SPA219Y1 / SPA220Y1 / SPA320Y1) into the third and fourth-year courses in literature, culture, and linguistics.

SPA258H1 is a foundational course for the students who plan to pursue a major or a specialist degree in Spanish. While permitting students to advance their skills in reading and composition, this course also introduces information literacy, and the terms and methods of literary analysis through the study of a wide selection of brief literary texts. Intermediate level students (SPA220Y1) who are comfortable reading short texts, and who have well-developed writing and speaking skills for the intermediate level, may take that course while enrolled in SPA220Y1 (preferable in their second semester of SPA220Y1). Others should complete SPA220Y1 before taking SPA258H1.

The other courses offered in the 200-series (SPA221H1 and SPA259H1) are not required for a Specialist or Major degree but are recommended for students who need to hone their language skills before advancing to the upper-level literature, culture and linguistics courses.

SPA221H1 (Spanish Pronunciation) is a companion course to SPA220Y1. Students who are interested in this course are best advised to enroll while taking SPA220Y1.

SPA259H1 is a course that introduces students to the techniques of cultural analysis. Although not a degree requirement, this course is a popular option for students enrolled in the program. It has the same language requirements as SPA258H1 (students can take it either while enrolled in SPA220Y1, or upon completion of SPA220Y1).

Following the language sequence, and upon successfully completing SPA258H1, students pursuing a specialist and major degrees will fulfill in the due course of their university career the remaining degree requirements:

- One-half course in Hispanic linguistics from the 300/400 series
- One-half course in Spanish peninsular literature from the 300/400 series
- One-half course in Spanish American literature from the 300/400-series
- SPA420H1
- SPA454H1 or SPA489H1

SPA420H1 (Advanced Grammar), SPA454H1 (Cervantes: Don Quijote) and SPA489H1 (Latin American Transculturations) are the capstone courses in the Spanish program. Students should plan to take these courses towards the end of their university studies, as by that time they will have acquired language fluency, and become versed in the reading of extended and complex texts in Spanish, and will have honed their skills in textual analysis.

Students should contact the Undergraduate Coordinator early on in the course of their university career to receive advice on how to proceed with their studies and to thus assure that they can receive their degree by the time of planned graduation. For further information, please visit us in the **Department of Spanish and Portuguese**, Victoria College, Room 208

- Web page: <http://spanport.utoronto.ca/>
- Telephone: (416) 813-4080.
- Email: spanport@chass.utoronto.ca
- Undergraduate Coordinator: (416) 813-4082.
 - E-mail: spanport.undergraduate@utoronto.ca

Second Year:

SPA220Y1/ SPA320Y1, SPA420H1 (for speakers who have taken SPA219Y1 in first year)

SPA258H1

Third and Fourth Years:

1. SPA320Y1
2. One half-course in Hispanic linguistics from the 300/400 series
3. One half course in Spanish peninsular literature from the 300/400 series
4. One half course in Spanish American literature from the 300/400-series
5. SPA420H1
6. SPA454H1 or SPA489H1
7. Additional SPA courses to make the equivalent of 10 courses. Up to two full-course equivalents may be taken from cognate departmental or college offerings: GGR, HIS, LAS, LIN, POL, PRT. A complete list of eligible courses is available at the departmental website (Undergraduate -> Spanish -> Courses -> Cognates). Students interested in Latin America are encouraged to take an introductory course in Portuguese (PRT100Y1/ PRT120Y1).

Spanish Major (Arts Program) - ASMAJ0623

Completion Requirements:

Consult the Undergraduate Coordinator, Department of Spanish and Portuguese.

spanport.undergraduate@utoronto.ca

(7 full courses or their equivalent)

First Year:

SPA100Y1/ SPA120Y1/ SPA220Y1, SPA219Y1 (for native/bilingual speakers of Spanish)

Second Year:

SPA220Y1/ SPA320Y1, SPA420H1 (for speakers who have taken SPA219Y1 in their first year)

SPA258H1

Third and Fourth Years:

1. SPA320Y1
2. One half-course in Hispanic linguistics from the 300/400 series
3. One half course in Spanish peninsular literature from the 300/400 series

Spanish Programs

Spanish Specialist (Arts Program) - ASSPE0623

Completion Requirements:

Consult the Undergraduate coordinator at the Department of Spanish and Portuguese:

spanport.undergraduate@utoronto.ca

(10 full courses or their equivalent, including at least one 400-series course)

First Year:

SPA100Y1/ SPA120Y1/ SPA220Y1, SPA219Y1 (for native/bilingual speakers of Spanish)

4. One half course in Spanish American literature from the 300/400-series

5. SPA420H1

6. SPA454H1 or SPA489H1

7. Additional SPA courses to make seven courses. Up to one full-course equivalent may be taken from cognate departmental or college offerings: GGR, HIS, LAS, LIN, POL, PRT. A complete list of eligible courses is available from the Undergraduate Coordinator. Students interested in Latin America are encouraged to take an introductory course in Portuguese (PRT100Y1/PRT120Y1).

Spanish Minor (Arts Program) - ASMIN0623

Completion Requirements:

Consult the Undergraduate Coordinator, Department of Spanish and Portuguese.

spanport.undergraduate@utoronto.ca

(4 full courses or their equivalent)

First Year:

SPA100Y1/SPA120Y1/SPA220Y1, SPA219Y1 (for native/bilingual speakers of Spanish)

Second Year:

SPA220Y1/SPA320Y1,

Third Year:

SPA320Y1

Additional SPA courses to make four (4.0 FCE) courses. Up to one full-course (1.0 FCE) equivalent of cognate credit may be taken in Portuguese. No other cognates are permitted for a Spanish Minor.

First-Year Foundation Seminars

The SPA196H1/SPA197H1/SPA198H1/SPA199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than thirty students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study.

Faculty of Arts & Science Language Citation

The Department of Spanish and Portuguese participates in the Faculty of Arts and Science's Language Citation initiative for Spanish. For a full description of the Language Citation requirements, see the Calendar in the "Degree Requirements" section.

To complete the language citation in Spanish students will normally complete the two language-sequence courses that follow the introductory level: SPA220Y1, SPA320Y1

Native and bilingual speakers should complete SPA219Y1 and two additional half-courses in Spanish in the 300- or 400-series.

Students should note that, as explained in this Calendar, the Language Citation is not equivalent to an academic program and that enrolment in a program is not necessary in order to earn the recognition bestowed by the Citation.

To request the citation, e-mail your request with your student ID number to the Undergraduate Coordinator (spanport.undergraduate@utoronto.ca).

Regarding Spanish Courses

Note:

- **see also European Studies, Latin American Studies**

Notes

1. The Department reserves the right to place students in the language course best suited to their linguistic preparation.
2. Students who, in the department's assessment, have adequate knowledge of Spanish may be required to take Spanish literature, culture or linguistics course instead of a language course at any level.
3. All courses are taught in Spanish unless otherwise specified.

Spanish Courses

SPA100Y1 - Spanish for Beginners

Hours: 48L/48T

Introduction to the Spanish language for beginning students; overview of basic grammatical structures, development of vocabulary and oral and written expression. Not eligible for CR/NCR option.

Prerequisite: No previous knowledge of Spanish, or placement test results.

Exclusion: SPA120Y1, SPA219Y1, SPA319Y1, SPA220Y1, SPA320Y1, SPA420H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA120Y1 - Accelerated Spanish Through Community Engaged Learning

Hours: 96L

This course is a combination of SPA100Y1 and SPA220Y1 into one year. It is designed for students with prior knowledge of Spanish, but whose level is not appropriate to enroll in SPA220Y1. The focus is on the fundamentals of Spanish grammar and cultural aspects through community service learning with the local Spanish-speaking community of Toronto. Not eligible for CR/NCR option.

Prerequisite: High School Spanish; informal knowledge of Spanish

Exclusion: Native and Heritage Speakers, SPA219Y1, SPA100Y1 and SPA220Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA198H1 - A Brief History of Love in the Western World

Hours: 24L

This course introduces students to the ways in which the foremost thinkers in the history of the Western world (Plato, Ovid, St. Augustine, Ficino, Ebreo) conceived the idea of love; how did the notions of sexuality and gender play into that idea, and how did these notions carry on – or not – into our present understanding of love, sexuality and gender. While the background readings pertain to the general Western cultural heritage, the literary texts through which we will observe particular applications of the theories of love were produced by some of the outstanding 16th and 17th century Spanish authors (for ex. Rodríguez de Montalvo; Jorge de Montemayor; Miguel de Cervantes; Tirso de Molina, María de Zayas, Sor Juana Inés de la Cruz). All the readings will be in English. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA196H1 - Class and Work in the Americas

Hours: 24L

This course examines economic and social inequalities in the contemporary Americas. We look at the ways in which class divisions are represented in academic studies, literature, film, and television. From Mexican *maquiladoras* to indigenous reservations, we consider the global poor and how recent changes in the character of work (automation, outsourcing, free trade zones) have had an impact on class divisions, especially for younger members of society. Can a renewed understanding of class and work help us to negotiate power, privilege, and inequality in this century? Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA219Y1 - Academic Spanish

Hours: 48L/24T

For native (heritage) speakers who have had exposure to spoken Spanish in an informal context (i.e. living in a Spanish-speaking country; or with a Spanish-speaking family), but little to no exposure to written Spanish. The students' ability to speak and understand Spanish may range from basic to relatively high fluency, but they cannot write and/or read Spanish. The course reviews English/Spanish spelling differences; written and spoken registers of Spanish, and basic aspects of the grammatical system. Provides students with the essential understanding of Spanish grammatical system; builds their vocabulary; and trains them to express themselves formally.

Prerequisite: Basic to relatively high native ability to speak and understand Spanish; limited or no formal education in Spanish.

Exclusion: SPA100Y1, SPA120Y1, SPA220Y1, SPA320Y1, SPA319Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA197H1 - War and Empire in the Hispanic World

Hours: 24L

Spain built up a world empire in the sixteenth century, by unifying its monarchy in the Iberian peninsula and Europe and conquering territories in the New World. Writers and thinkers recorded the progress of this empire with praise, but they also commented on ethical issues related to rule over other peoples and the impact of armed violence on the lives of soldiers and civilians. We will study these questions by reading important Spanish texts that describe the conduct and impact of wars of conquest and of civil unrest. Through a focus on writings that deal with warfare, this course offers an introduction to an important period in European history. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

SPA220Y1 - Intermediate Spanish

Hours: 48L/48T

Intermediate Spanish for non-native speakers. Intensive grammar review of the structures of Spanish integrated with an introduction to reading authentic Spanish material, with practice designed to build vocabulary and to improve oral and written expression.

Prerequisite: SPA100Y1 or placement test.

Exclusion: SPA120Y1, SPA219Y1, SPA319Y1, SPA320Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA221H1 - Spanish Pronunciation**Hours:** 24L

A practical introduction to articulatory phonetics, Spanish sound patterns, phonetics, phonology; the basic concepts of phonetic description and transcription; the study of Spanish vowel and consonant systems, stress and intonation.

Prerequisite: SPA100Y1**Corequisite:** SPA120Y1 or SPA220Y1**Exclusion:** SPA219Y1; native speakers of Spanish; SPA321H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**SPA258H1 - Introduction to Hispanic Literary Studies****Hours:** 36L

Introduction to university literary studies in Spanish and information literacy. Representative selection of Spanish and Spanish American prose, poetry, and drama, with focus on critical terminology and methods of literary analysis. Required for a program degree.

Prerequisite: First semester SPA220Y1**Corequisite:** SPA120Y1 or SPA220Y1 or SPA219Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SPA254H1 - Cervantes and Modern Fiction****Hours:** 24L

Critical reading of Don Quixote as a canonical text for the novel and other narrative forms, including historical metafiction, the short story, and fictional autobiography. Comparative discussion of Quixotic fictions by modern authors, such as Machado de Assis, Borges, Nabokov, García Márquez, Junot Díaz. Lectures and readings in English.

Prerequisite: None**Exclusion:** Does not count towards a degree in Spanish.**Recommended Preparation:** None**Breadth Requirements:** Creative and Cultural Representations (1)**SPA259H1 - Introduction to Hispanic Cultural Studies****Hours:** 24L

Forms of cultural expression in Spain, Latin America and Spanish-speaking North America, with study of representative media, including literature, journalism, film, visual art, and the urban environment. Introduction to methods of cultural analysis. (Offered in alternate years).

Prerequisite: Minimum 1st semester of SPA220Y1**Corequisite:** SPA120Y1 or SPA220Y1 or SPA219Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SPA255Y0 - Introduction to the Hispanic World****Hours:** 48L

A survey of Hispanic Culture, with attention to central issues in history, politics, and popular traditions. Course will be taught in English.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SPA299Y1 - Research Opportunity Program****Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**SPA320Y1 - Advanced Spanish****Hours:** 48L/48T

Advanced Spanish for non-natives. Selective review of grammar with emphasis on the complex sentence; intensive practice in written and oral expression to improve proficiency.

Prerequisite: SPA120Y1 or SPA220Y1 or placement test.**Exclusion:** SPA219Y1/ SPA319Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

SPA322H1 - Introduction to Hispanic Linguistics

Hours: 24L/12T

The basic concepts and analytic tools of linguistics applied to the study of Spanish, with a focus on the Spanish phonological, morphological, and syntactic systems. Theoretical discussion and practical exercises in analytic techniques.

Prerequisite: SPA120Y1 or SPA220Y1 or SPA219Y1; or instructor's permission

Recommended Preparation: SPA221H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

SPA326H1 - Latin American Varieties of Spanish Through the Media

Hours: 36L

This course aims at exposing students to different varieties of Latin American Spanish. Lexical, morpho-syntactic and phonological variation will be discussed and theoretical descriptions will be illustrated by using samples from contemporary cinema and television. (Offered in alternate years)

Prerequisite: SPA120Y1 or SPA220Y1 or SPA219Y1 or Permission of the Department

Recommended Preparation: SPA221H1/ SPA320Y1/ SPA322H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA323H1 - Business Spanish

Previous Course Number: SPA323Y1

Hours: 24L

Practical uses of spoken and written Spanish for business contexts. This course builds on grammar and vocabulary knowledge already acquired at the intermediate level, and is directed primarily at students pursuing a second major in Latin American Studies or European Studies.

Prerequisite: SPA120Y1 or SPA220Y1 or SPA219Y1

Exclusion: SPA323Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA327H1 - Catalan

Previous Course Number: SPA327Y

Hours: 24L

Study of Catalan language through an overview of grammatical structures and exercises in proficiency skills, complemented by readings in Catalan history and society to attain interdisciplinary cultural literacy. (Offered every three years)

Prerequisite: SPA120Y1 or SPA220Y1 or SPA219Y1 or any other 200 level Romance Language.

Exclusion: SPA325Y1/ SPA325H1, SPA327Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA324H1 - Spanish Bilingualism

Hours: 24L

Spanish bilingualism from three different perspectives: linguistic, sociolinguistic, psycholinguistic. Analysis of typical language contact phenomena with materials from Spanish. Case studies of Spanish in contact and discussion of the psychological consequences of bilingualism. Introduction to survey methods in sociolinguistics and psycholinguistics, and basic techniques for conducting language interviews. (Offered in alternate years)

Prerequisite: SPA120Y1 or SPA220Y1 or SPA219Y1 or Permission of the Department

Recommended Preparation: SPA221H1/ SPA322H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

SPA341H1 - Modernist Movements in Spain

Hours: 24L

Literary and artistic movements in Spain from 1890 to 1940, with special attention to the convergence and mutual mediation of politics and art. Materials to be studied include novels, poetry, the urban environment, graphic art, literary journals and manifestos, and some early Hispanic film. (Offered every three years)

Prerequisite: SPA120Y1 or SPA220Y1 or SPA219Y1 or Permission of the Department

Recommended Preparation: SPA258H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

SPA345H1 - Spanish Cinema**Hours:** 24L

Analysis of the development of Spanish Cinema within its social and political contexts. Directors studied include Buñuel, Bardem, Erice, Saura, Almodóvar and Bigas Luna. (Offered every three years).

Prerequisite: SPA120Y1 or SPA220Y1 or SPA219Y1 or Permission of the Department

Recommended Preparation: SPA258H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA354H1 - Parody and Comedy in Early Modern Spanish Literature**Hours:** 24L

Parody and comedy as interrelated literary forms that create humour through conventional character types, the play of language, self-conscious imitation, and the relationship of parodic works to canonical intertexts. Considerations of humour as a response to social anxieties in early modern Spain. Analysis of poems, plays and short prose narratives by representative authors; Garcilaso, Góngora, Quevedo, Tirso de Molina, Cervantes.

Prerequisite: SPA120Y1 or SPA220Y1 or SPA219Y1 or permission of the Department

Recommended Preparation: SPA258H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA348H1 - Galdos and the Realist Novel**Hours:** 24L

Representative fiction by Galdós, the principal Spanish novelist of the nineteenth century. Detailed study of such texts as *Mariánela*, *Doña Perfecta*, *La desheredada*, *Realidad*, *La incognita*, in relation to modernity of realist fiction and contemporary issues in politics, social relations and individual psychology. (Offered every three years)

Prerequisite: SPA120Y1 or SPA220Y1 or SPA219Y1 or Permission of the Department

Recommended Preparation: SPA258H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA368H1 - Spanish and the Empire: Migration in Language and Literature**Hours:** 24L

This interdisciplinary approach considers broad cultural consequences resulting from the contact of Spanish with the American indigenous languages. Current cultural and linguistic theories on language contact are used to analyze sixteenth to eighteenth-century Spanish texts, and invite reflection on language, power, and the emergence of new cultural expressions. (Offered every three years)

Prerequisite: SPA120Y1 or SPA220Y1 or SPA219Y1 or Permission of the Department

Recommended Preparation: SPA258H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA352H1 - Court and Country in Early Modern Spain**Hours:** 24L

Representative texts (such as ballads, popular and courtly lyric; chivalric, pastoral and picaresque prose, theatre) from the early modern period, studied in relation to the history and society of imperial Spain. Discussion of literary texts as codes of social conduct; issues of urbanization, court culture, social order and disorder, and cultural discourses of identity and difference. (Offered every three years)

Prerequisite: SPA120Y1 or SPA220Y1 or SPA219Y1 or Permission of the Department

Recommended Preparation: SPA258H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA375H1 - Latin American Cinema**Hours:** 36L/12T

Latin American cinema approached within the framework of cultural studies and film theory, with attention to aesthetic and social forms, and to questions of national and cultural issues. May be focused on a particular region or period, or may be more of a representative survey, depending on instructor. (Offered in alternate years). Course taught in English.

Recommended Preparation: INI115Y/INI212Y/ SPA258H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA381H1 - Nation, Identity and Modernity in Spanish-America

Hours: 24L

Analysis of poetry, short stories, essays, and graphic art in the context of nation-building and the question of identity during the nineteenth century. (Offered every three years)

Prerequisite: SPA120Y1 or SPA220Y1 or SPA219Y1 or Permission of the Department

Recommended Preparation: SPA258H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA385H1 - Literature and Social Change in Spanish America

Hours: 24L

Detailed study of key moments and texts in Spanish American culture from the nineteenth and twentieth centuries, focusing on such topics as the creation of new nations, indigenismo, Caribbean anti-slavery literature, and the Mexican and Cuban Revolutions. (Offered every three years)

Prerequisite: SPA120Y1 or SPA220Y1 or SPA219Y1 or Permission of the Department

Exclusion: SPA487H1

Recommended Preparation: SPA258H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA382H1 - Spanish American Women in Art, Film, and Literature

Hours: 24L

Study of different creative expressions by women in Spanish America from the colonial period to the present; analysis of selected works of visual art, film, essays, poetry, and fiction. (Offered every three years)

Prerequisite: SPA120Y1 or SPA220Y1 or SPA219Y1 or Permission of the Department

Recommended Preparation: SPA258H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA386H1 - Literary Landscapes of the Mexican Revolution

Hours: 24L

Examines cultural production, including short stories, novels, films and paintings surrounding the socio-political transformations of the revolutionary period. Readings and discussion emphasize general concepts of the landscape, as a visual and spatial mode of interpreting relationships between human subjects, and between these subjects and the territory they occupy. (Offered every three years)

Prerequisite: SPA120Y1 or SPA220Y1 or SPA219Y1 or Permission of the Department

Recommended Preparation: SPA258H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA384H1 - Avant-Garde Movements in Spanish America

Hours: 24L

Study of representative works of major artistic and literary movements in 20th and 21st century Spanish America: avant-garde poetry, theatre of the absurd, surrealist art, neo-realism, postmodernism. (Offered every three years)

Prerequisite: SPA120Y1 or SPA220Y1 or SPA219Y1 or Permission of the Department

Recommended Preparation: SPA258H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA387H1 - Latin American Performative Expression

Hours: 24L

Considers continuities and divisions between word and action, art and politics, in short works of fiction, theatre, film and performance projects. Includes work from twentieth-century and contemporary Mexico as well as Latin American cultural production from Canada and the United States.

Prerequisite: SPA120Y1 or SPA220Y1 or SPA219Y1 or Permission of the Department

Exclusion: SPA467H1 (Topics: Latin American Performative Practices), offered in Fall 2009, Winter 2018

Recommended Preparation: SPA258H1

Breadth Requirements: Creative and Cultural Representations (1)

SPA389H1 - Central American Literature: Narratives of War

Hours: 24L

The 70s and 80s represent a period of armed struggle, civil war, and revolution in most of Central America. Through the study of specific novels, short stories, and films, this course analyzes the representation of violence, and the political repression generated by military conflicts. (Offered every three years)

Prerequisite: SPA120Y1 or SPA220Y1 or SPA219Y1 or Permission of the Department

Recommended Preparation: SPA258H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA420H1 - Advanced Grammar

Hours: 36L

Linguistic analysis with the objective of improving students' command of Spanish grammar. Advanced review of traditional grammatical topics, including the verbal and pronominal systems, and Spanish copulas and embedded clauses. This course assumes familiarity with the grammatical terminology introduced in SPA320Y1.

Prerequisite: SPA219Y1 or SPA320Y1, or placement test.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA421H1 - The Structure of Spanish

Hours: 36L

Study of Spanish morphology and syntax: syntactic categories in Spanish, the structure and interpretation of simple and complex sentences. (Offered in alternate years)

Prerequisite: SPA420H1, or permission of department

Recommended Preparation: SPA322H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

SPA422H1 - Sociolinguistics of Spanish

Hours: 24L

Study of linguistic variation across the Spanish-speaking world; central issues in phonological, morphological, and syntactic variation, analyzed from a geographical as well as from a social point of view. (Offered in alternate years)

Prerequisite: SPA322H1 or permission of the department

Recommended Preparation: SPA420H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

SPA398H0 - Research Excursions

Hours: TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

SPA398Y0 - Research Excursions

Hours: TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

SPA399Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

SPA423H1 - Spanish Phonology**Hours:** 24L/12T

Theoretical and experimental approaches to Spanish phonology. Topics include: Spanish phonemic inventory, sound patterns, suprasegmentals (stress and intonation), synchronic and diachronic variation. Methods of data collection and analysis in the discipline, with practical applications. (Offered in alternate years)

Prerequisite: SPA322H1 or permission of the Department**Recommended Preparation:** SPA420H1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**SPA439H1 - Topics in Spanish Studies****Hours:** 24S

A course on specific topics in Spanish studies, designed for advanced students. Course content and instructor are established on a yearly basis.

Prerequisite: SPA220Y1/ SPA219Y1**Recommended Preparation:** SPA258H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SPA425H1 - History of the Spanish Language****Hours:** 24L

Have you ever doubted where Spanish came from? Or how did it become the language we know today? This course presents a detailed study of the external and internal history of the Spanish language in which this evolution occurred. Special attention will be paid to the linguistic progress of the language from its Latin roots to Modern Spanish and to the socio-cultural, historical, political and literary influence that have affected its linguistic evolution. The main features of the Spanish language evolution will be put in practice through a close reading of representative Medieval, Renaissance and dialectal texts.

Prerequisite: SPA320Y1 or SPA219Y1 or permission of instructor**Breadth Requirements:** Creative and Cultural Representations (1)**SPA450H1 - Literature and Society in Medieval Iberia****Hours:** 24S

Study of medieval social topics such as witchcraft, violence, love, marriage, childhood, maternity, crimes and punishment. Analysis of such texts as Poema del Mio Cid; the Romancero, Milagros de Nuestra Señora, Libro de buen amor, Don Juan Manuel and Celestina, from the perspective of iconography and social history. (Offered every three years)

Prerequisite: At least one 300-series half-course in Spanish.**Corequisite:** SPA320Y1**Recommended Preparation:** SPA258H1/ SPA352H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SPA435H1 - Fictions of Contemporary Spain****Hours:** 24L

Study of major currents in narrative fiction during the last twenty years, a period of return to democratic government, the relaxing of censorship and the opening up of Spanish culture. Analysis of works from several generations of male and female writers. (Offered every three years)

Prerequisite: At least one 300-series half-course in Spanish.**Recommended Preparation:** SPA258H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**SPA454H1 - Cervantes: Don Quixote****Hours:** 36L

Detailed study of Don Quixote as a foundational text in the European literary tradition, with attention to the conventions, genres, and literary techniques that inform the text.

Prerequisite: SPA258H1; SPA219Y1 or SPA320Y1 or permission of the department**Exclusion:** SPA350Y1**Recommended Preparation:** SPA352H1; Another 300-series half course in Spanish**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

SPA456H1 - Transatlantic Hispanic Baroque: Crisis and Disenchantment

Hours: 24L

Study of the seventeenth-century Transatlantic Hispanic world that, after the epoch of discovery and expansion in the sixteenth century, faces economic and political downfall, accompanied by a social and spiritual crisis that results in the culture baroque. Through analysis of literary texts by such authors as Cervantes, Góngora, Quevedo, Sor Juana, Sigüenza, Gracián Zayas and Calderón, we will discuss the meanings of the term "baroque", and of the phenomena that capture its zeitgeist.

Prerequisite: SPA320Y1; at least one other 300-level course in SPA

Recommended Preparation: SPA352H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA480H1 - Icons and Iconography in Latin American Culture

Hours: 24L

Production, circulation and meaning of icons through Latin American literary and cultural contexts. Readings are selected from the period of independence to the present, and focus on the transformative ideological charge of cultural objects across geographic space and history. Focuses on political and socio-economic tensions between popular and elite spheres of cultural production, and on the risks and limits of iconographic representation. (Offered every three years)

Prerequisite: At least one 300-series half-course in Spanish.

Recommended Preparation: SPA258H1/ SPA259H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA482H1 - 20th-Century Spanish American Narrative

Hours: 24L

Detailed study of the major movements in Spanish-American narrative, including magic realism, fantastic literature, women's writing, and testimonial literature, through analysis of representative novels and short stories. (Offered every three years)

Prerequisite: At least one 300-series half-course in Spanish.

Recommended Preparation: SPA258H1/ SPA259H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA475H1 - 21st Century Latin American Culture

Hours: 24L

Contemporary Argentine and Mexican authors and visual artists will be studied through their work, online visibility, and also the institutional and discursive structures that facilitate and shape their production. In-class Skype discussions with some of the artists. (Offered every three years)

Prerequisite: At least one 300-series half-course in Spanish.

Recommended Preparation: SPA258H1/ SPA259H1

Distribution Requirements: Humanities

SPA486H1 - Contemporary Caribbean Literatures and Identities

Hours: 24L

Literature studied as a socio-political space for the articulation of new concepts of cultural identity; examination of cultural change and aesthetic innovation in selected poetic, dramatic, and narrative texts from different national traditions (Cuba, the Dominican Republic, Puerto Rico). (Offered every three years)

Prerequisite: At least one 300-series half-course in Spanish.

Recommended Preparation: SPA258H1/ SPA259H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA488H1 - Central America Postwar Narrative

Hours: 24L

The end of civil and military conflicts in the last decade of the 20th century reshapes the political landscape of Central America. Through selected readings of novels and short stories from representative writers, issues of immigration, displacement, and globalization are discussed to understand these changes in the region. (Offered every three years)

Prerequisite: At least one 300-series half-course in Spanish.

Recommended Preparation: SPA258H1/ SPA259H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA491H1 - Independent Study

Hours: TBA

Individual study with a member of staff on a topic of common interest including readings, discussion and written assignments. Not eligible for CR/NCR option.

Prerequisite: At least one 300-series half-course in Spanish, and

written approval of the Undergraduate Coordinator

Distribution Requirements: Humanities

SPA489H1 - Latin American Transculturations

Hours: 36L

This course integrates a series of contemporary debates in Latin American cultural studies with analysis of its transdisciplinary history and global permutations. Key topics of investigation within these debates may include indigeneity; coloniality, transculturation, and subalternity; empire, nation, and globalism; revolution, state discourse, and the popular; gender and sexuality; and the production of race.

Prerequisite: SPA258H1; SPA219Y1/ SPA320Y1

Recommended Preparation: Another 300-series half-course in literature

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

SPA490H1 - Independent Study

Hours: TBA

Individual study with a member of staff on a topic of common interest including readings, discussion and written assignments. Not eligible for CR/NCR option.

Prerequisite: At least one 300-series half-course in Spanish, and written approval of the Undergraduate Coordinator

Distribution Requirements: Humanities

Statistical Sciences

Faculty List

Professors Emeriti

D.F. Andrews, M Sc, Ph D
 A. Feuerverger, B Sc, Ph D
 D.A.S. Fraser, BA, Ph D, FRSC
 I. Guttman, MA, Ph D
 P. McDunnough, M Sc, Ph D
 R. Neal, B Sc, Ph D
 M.S. Srivastava, M Sc, Ph D
 A.M. Vukov, MA, ASA

Professor and Chair of the Department

R. Craiu, B Sc, Ph D

Professor and Associate Chair, Graduate Studies

Z. Zhou, B Sc, Ph D

Assistant Professor, Teaching Stream and Associate Chair, Undergraduate Studies

V. Zhang, B Sc, M Sc, FSA, ACIA, Actuarial Science

Professor, Teaching Stream and Associate Chair, Undergraduate Studies

A. Gibbs, B. Math, B Ed, M Sc, Ph D, Statistics

University Professor

N.M. Reid, M Sc, Ph D, FRSC, OC

Professors

S. Broverman, B Sc, M Sc, Ph D, ASA
 R. Craiu, B Sc, Ph D
 M.J. Evans, MA, Ph D (UTSC)
 S. Jaimungal, B Sc, M Sc, Ph D
 K. Knight, M Sc, Ph D
 X.S. Lin, M Sc, Ph D, ASA
 J. Quastel, MS, Ph D
 J.S. Rosenthal, MA, Ph D
 J. Stafford, M Sc, Ph D
 L. Sun, B Sc, Ph D
 B. Virag, Ph D (UTSC)

Associate Professors

A. Badescu, B Sc, M Sc, Ph D
 D. Brenner M Sc, Ph D
 P. Brown, BA, M Sc, Ph D
 L.J. Brunner, MA, Ph D (UTM)
 Z. Zhou, B Sc, Ph D

Assistant Professors

M. Alexander, B Sc, MA, MSR, Ph D
 F. Chevalier, B Sc, Ph D
 D. Duvenaud, B Sc, M Sc, Ph D
 G. Eadie, B Sc, M Sc, Ph D
 M. Erdogan, B Sc, M Sc, Ph D
 D. Kong, Ph D (UTM)
 D. Roy, B Sc, M Sc, Ph D (UTSC)
 S. Pesenti, B Sc, M Sc, Ph D
 D. Simpson, Ph D
 Q. Sun, Ph D
 S. Volgushev, Ph D
 L. Wang, B Sc, Ph D
 L. Wong, B Sc, M Sc, Ph D
 Y. Zhang, B Sc, Ph D

Associate Professor, Teaching Stream

N. Taback, B Sc, M Sc, Ph D
 B. White, Ph D

Assistant Professors, Teaching Stream

E. Bolton, Ph D
 K. Huynh Wong, B Sc, M Sc
 N. Moon, BSc, MA, Ph D
 S. Sue-Chee, B Sc, M Sc, Ph D
 V. Zhang, B Sc, M Sc, FSA, ACIA

Introduction

Statistical Science is the science of learning from data. Statistical science plays a large role in data science, which broadly encompasses computational and statistical aspects of managing and learning from large and complex datasets. Statistical theory and methodology have applications in almost all areas of science, social science, public health, medicine, engineering, finance, technology, business, government and industry. Statisticians and data scientists are involved in solving problems as diverse as understanding the health risk of climate change, predicting the path of forest fires, understanding the role of genetics in human health, and creating a better search engine. New ways of collecting, organizing, visualizing, and analyzing data are increasingly driving progress in all fields and have created demand for people with data expertise.

The Department of Statistical Sciences offers specialist, major, and minor programs in Statistics and a specialist program in Data Science. All programs offer training in statistical methods, theory, computation, and communication, as well as an understanding of the role of statistical science to solve problems in a variety of contexts. The specialist program in Statistical Science: Theory and Methods emphasizes probability and statistical theory as underlying mathematical frameworks for data analysis. The specialist program in Statistical Science: Methods and Practice has greater emphasis on collaborative statistical practice. Students in this program combine their study in statistics with a focus in a discipline that relies on statistical methods. The specialist program in Data Science is offered jointly with the Department of Computer Science. Students in this program acquire expertise in statistical reasoning and methods, in the design and analysis of algorithms and data structures for handling big data, in best practices for software design, and in machine learning. The major program in Statistics offers the most flexibility in choice of courses. This program gives students a broad understanding of the methods and computational and communication skills appropriate for effective statistical problem solving. The minor program in Statistics is designed to provide students with exposure and skills in advanced statistical methods.

Enquiries: 100 St. George Street, Sidney Smith Hall, Room 6018 (416-978-3452)

Associate Chair, Undergraduate Studies: Statistics - Professor A. Gibbs; e-mail: ugchair.stats@utstat.utoronto.ca

Associate Chair, Undergraduate Studies: Actuarial Science - Professor V. Jiang; e-mail: ugchair.actsci@utstat.utoronto.ca

Statistical Sciences Programs

Data Science Specialist (Science Program) - ASSPE1687

Description:

The field of Data Science is a combination of statistics and computer science methodologies that enable 'learning from data'. A data scientist extracts information from data, and is involved with every step that must be taken to achieve this goal, from getting acquainted with the data to communicating the results in non-technical language. The Data Science Specialist program prepares students for work in the Data Science industry or government and for graduate studies in Data Science, Computer Science, or Statistics. Students in the program will benefit from a range of advanced courses in Computer Science and Statistics offered by the University of Toronto, as well as from a sequence of three integrative courses designed especially for the program.

The Data Science Specialist program comprises three fundamental and highly-integrated aspects. First, students will acquire expertise in statistical reasoning, methods, and inference essential for any data analyst. Seconds, students will receive in-depth training in computer science: the design and analysis of algorithms and data structures for handling large amounts of data, and best practices in software design. Students will receive training in machine learning, which lies at the intersection of computer and statistical sciences. The third aspect is the application of computer science and statistics to produce analyses of complex, large-scale datasets, and the communication of the results of these analyses; students will receive training in these areas by taking integrative courses that are designed specifically for the Data Science Specialist program. The courses involve experiential learning: students will be working with real large-scale datasets from the domain of business, government, and/or science. The successful student will combine their expertise in computer and statistical science to produce and communicate analyses of complex large-scale datasets.

Skills that graduates of the program will acquire include proficiency in statistical reasoning and computational thinking; data manipulation and exploration, visualization, and communication that are required for work as a data scientist; the ability to apply statistical methods to solve problems in the context of scientific research, business, and government; familiarity and experience with best practices in software development; and knowledge of current software infrastructure for handling large data sets. Graduates of the program will be able to demonstrate the ability to apply machine learning algorithms to large-scale datasets that arise in scientific research, government, and business; create appropriate data visualizations for complex datasets; identify and answer questions that involve applying statistical methods or machine learning algorithms to complex data, and communicating the results; present the results and limitations of a data analysis at an appropriate technical level for the intended audience.

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a certain number of students. Eligibility is based on the average of a student's grades in CSC148H1 and MAT137Y1/ MAT157Y1 and STA130H1. (MAT157Y1 grades will be adjusted to account for the course's greater difficulty.)

In addition, students must have completed at least 4.0 FCEs and achieved a minimum grade of 70% in each of CSC148H1, MAT137Y1/ MAT157Y1 and STA130H1.

It is difficult to predict the minimum average required for admission in any given year as it depends on the current capacity of the program and the pool of applicants.

Note that students admitted to the program after second or third year will be required to pay retroactive program fees.

Completion Requirements:

(13.0-13.5 Full Course Equivalents [FCEs], including at least 1.5 FCEs at the 400-level)

First year (3.0 FCEs)

MAT137Y1/ MAT157Y1; MAT223H1/ MAT240H1 (MAT240H1 is recommended); STA130H1; CSC108H1; CSC148H1;

Note: Students with a strong background in an object-oriented language such as Python, Java or C++ may omit CSC108H1 and proceed directly with CSC148H1. There is no need to replace the missing half-credit for program completion; however, please base your course choice on what you are ready to take, not on "saving" a half-credit. Consult with the Computer Science Undergraduate Office for advice on choosing between CSC108H1 and CSC148H1.

Second year (3.5-4.0 FCEs)

MAT237Y1/ MAT257Y1; STA257H1; STA261H1; CSC207H1; (CSC165H1, CSC236H1)/ CSC240H1 (CSC240H1 is recommended); JSC270H1 (Data Science I)

Note: CSC240H1 is an accelerated and enriched version of CSC165H1 plus CSC236H1, intended for students with a strong mathematical background, or who develop an interest after taking CSC165H1. If you take CSC240H1 without CSC165H1, there is no need to replace the missing half-credit for program completion; however, please base your course choice on what you are ready to take, not on "saving" a half-credit. Consult the Computer Science Undergraduate Office for advice on choosing between CSC165H1 and CSC240H1.

Later years (6.5 FCEs)

1. STA302H1; one of STA303H1 or STA305H1; STA355H1; CSC209H1; CSC263H1/ CSC265H1 (CSC265H1 is recommended); CSC343H1; CSC373H1; JSC370H1 (Data Science II)
2. STA314H1/ CSC311H1/ CSC411H1;
3. 2.0 FCEs from the following list, including at least 1.0 FCE at the 400 level (see below for additional conditions): STA303H1/ STA305H1 (whichever one was not taken previously), STA347H1, CSC401H1, STA414H1/ CSC412H1, CSC413H1/ CSC421H1, any 400-level STA course; JSC470H1 (Data Science III).

The choices from 3 must satisfy the requirement for an integrative, inquiry-based activity by including at least 0.5 FCE from the following: JSC470H1 (Data Science III); CSC454H1, CSC490H1, CSC491H1, CSC494H1, CSC495H1, STA490Y1, STA496H1, STA497H1, STA498Y1, STA499Y1. This requirement may also be met by participating in the PEY Co-op (Professional Experience Year Co-op) program.

Students will be advised to develop domain expertise in at least one area where Data Science is applicable, by taking a sequence of courses in that area throughout their program. Examples of such areas will be provided to students by program advisors and will form the basis for a later proposal for program Focuses (to be approved through internal Arts & Science governance procedures).

Specialist in Statistical Science: Methods and Practice (Science Program) - ASSPE2270

Description:

Statistical Science encompasses methods and tools for obtaining knowledge from data and for understanding the uncertainty associated with this knowledge. The purposes of the undergraduate programs are to: (1) equip students with a general framework for obtaining knowledge from data; (2) give students skills that they are able to flexibly apply to a variety of problems; and (3) to provide students with the ability to learn new methods as needs, data sources, and technology change.

The Specialist Program in Statistical Science: Methods and Practice is distinguished from the specialist program in Statistical Science: Theory and Methods through its emphasis on collaborative statistical practice and advanced exposure to an allied discipline. The program includes fundamental concepts in probability and statistical theory with mathematical prerequisites relevant to statistical practice. Students in the program acquire advanced expertise in statistical reasoning, methods, and computation, and complete a concentration in another discipline that permits students to become conversant in that discipline to the extent that they can effectively collaborate. Students will also acquire advanced skills in communication, consultation and collaboration and an understanding of the role of mathematical thinking to support the development and evaluate the properties of statistical methods.

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a certain number of students. Eligibility is based on the following:

For students entering the program after first year:

A. Completion of at least 4.0 FCEs including:

- STA130H1
- CSC108H1/ CSC120H1/ CSC121H1/ CSC148H1
- MAT223H1/ MAT240H1
- (MAT135H1, MAT136H1) with a minimum grade of 75% or MAT137Y1 with a minimum grade of 65% or MAT157Y1 with a minimum grade of 65%

AND

B. The average of the grades in STA130H1 and (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1. Note that students who take (MAT135H1, MAT136H1) will typically require a higher average grade in these courses than students who took MAT137Y1/ MAT157Y1.

For students entering the program after 2nd year:

A. Completion of:

- CSC108H1/ CSC120H1/ CSC121H1/ CSC148H1,
- MAT223H1/ MAT240H1,
- MAT235Y1/ MAT237Y1/ MAT257Y1,
- (STA237H1, STA238H1) with a minimum grade of 75% or (STA247H1, STA248H1) with a minimum grade of 75% or (STA257H1, STA261H1) with a minimum grade of 65%

AND

B. The average of the grades in (STA237H1, STA238H1)/(STA247H1, STA248H1)/(STA257H1, STA261Y1)/ ECO227Y1 and MAT235Y1/ MAT237Y1/ MAT257Y1. Note that students who take (STA237H1, STA238H1)/(STA247H1, STA248H1) will typically require a higher average grade in these courses than students who took (STA257H1, STA261Y1)/ ECO227Y1.

It is difficult to predict the minimum average required for admission in any given year. More information will be posted on the department website as it becomes available.

Completion Requirements:

(10 or 10.5 FCEs plus a disciplinary focus requiring 2.0-3.5 FCEs)

First year:

1. STA130H1, CSC108H1/ CSC120H1/ CSC121H1/ CSC148H1, (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1.

(MAT137Y1/ MAT157Y1 recommended)

2. Recommended: introductory course in disciplinary focus.

MAT223H1/ MAT240H1 is also strongly recommended to be taken in first year and is required preparation for MAT237Y1.

Second year:

3. MAT223H1/ MAT240H1, MAT235Y1/ MAT237Y1/ MAT257Y1, (STA237H1, STA238H1)/(STA247H1, STA248H1)/(STA257H1, STA261H1)

((STA257H1, STA261H1) recommended)

Upper years:

4. STA302H1, STA303H1, STA304H1/ STA305H1, STA314H1/ STA365H1, STA355H1

5. 1.5 FCE from the following list: STA414H1, STA437H1, STA442H1, STA457H1, STA465H1, STA480) STA410H1, STA437H1, STA442H1,

6. STA490Y1 or successful completion of an internship (see department of information about internships)

7. 1.0 FCE from the following list: MAT224H1/ MAT247H1, MAT337H1/ MAT357H1, CSC148H1, CSC207H1, STA300+ level courses (excluding STA310H5)

Disciplinary Focuses

Students in the Applied Statistics Specialist program must complete at least one disciplinary focus.

To enrol in one or more focuses, students must first be enrolled in the Applied Statistics Specialist program. Enrolment instructions can be found on the [Arts & Science Current Students program enrolment website](#). Focuses can be chosen on ACORN after admission to the program, which begins in July.

Health Studies: (2.0 FCE) HST209H1, HST211H1, HST373H1, HST330H1/ HST411H1/ HST464H1

Global Health: (2.5 FCE) BIO120H1, BIO130H1, HMB203H1, HMB323H1, HMB342H1/ HMB433H1 (Recommended: HMB433H1)

Health and Disease: (3.0 FCE) BIO120H1, BIO130H1, HMB202H1, HMB265H1, HMB302H1, HMB321H1/ HMB322H1/ HMB422H1

Fundamental Genetics and its Applications: (3.0 FCE) BIO120H1, BIO130H1, HMB201H1, HMB265H1, HMB301H1, HMB321H1/ HMB421H1/ HMB441H1 (Recommended: HMB421H1)

Neuroscience: (3.5 FCE) BIO120H1, BIO130H1, PSY100H1, HMB200H1/ HMB220H1, HMB265H1, HMB300H1, HMB420H1/ HMB440H1 (Recommended: HMB420H1)

Social Psychology: (2.0 FCE) PSY100H1, PSY220H1, PSY322H1, PSY326H1/ PSY321H1/ PSY424H1/ PSY426H1/ PSY405H1/ PSY406H1

Cognitive Psychology: (2.0 FCE) PSY100H1, PSY270H1, PSY493H1, PSY372H1/ PSY405H1/ PSY406H1/ PSY475H1

Sociolinguistics: (3.0 FCE) LIN100Y1; 2 of LIN228H1, LIN229H1, LIN232H1 or LIN241H1; LIN351H1 and LIN456H1

Psycholinguistics: (3.0 FCE) LIN100Y1; 2 of LIN228H1, LIN229H1, LIN232H1 or LIN241H1; 2 of JLP374H1, JLP315H1 or JLP471H1

Astronomy & Astrophysics: (2.5 or 3.0 FCE) (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1); AST221H1, AST222H1; (PHY252H1, AST320H1)/ AST325H1/ AST326Y1

Sociology: (2.5 FCE) SOC100H1+ SOC150H1 (minimum combined average grade of 65%); SOC204H1; 1.0 FCE from SOC303H1, SOC312H1, SOC336H1, SOC355H1, SOC363H1, SOC364H1.

Students interested in advanced study in Sociology should consider additional courses, in particular SOC201H1, SOC251H1, and SOC254H1

Ecology: (3.0 FCE) BIO120H1, BIO220H1; 2.0 FCE from (with at least 0.5 FCE at the 400 level) EEB319H1/ EEB321H1/ EEB328H1/ EEB365H1/ EEB428H1/ EEB433H1/ EEB440H1 or ENV234H1/ ENV334H1/ ENV432H1

Evolutionary Biology: (3.5 FCE) BIO120H1, BIO130H1, BIO220H1; 1.5 FCE from HMB265H1/ BIO260H1, EEB318H1, EEB323H1, EEB324H1, EEB325H1, EEB362H1, EHJ352H1; 0.5 FCE from EEB440H1, EEB455H1, EEB459H1, EEB460H1

Notes:

- BIO260H1 requires BIO230H1 as a prerequisite.
- Students in the Applied Statistics specialist focus in Evolutionary Biology can request that HMB waive the co-requisite of BIO230H1 for HMB265H1 and that EEB waive the prerequisite of BIO230H1 for EEB460H1. These waivers will only be considered for students in the Applied Statistics specialist focus in Evolutionary Biology. All other pre- and co-requisites are required.

Economics: (3.5 FCE) (ECO101H1, ECO102H1), ECO200Y1/ ECO206Y1, ECO202Y1/ ECO208Y1, 0.5 FCE 300+ series ECO course with the exception of ECO374H1 and ECO375H1

Biochemistry: (3.0 FCE) CHM135H1, CHM136H1, BCH210H1, BCH311H1, BCH370H1, BCH441H1

Physics: (2.5 FCE) PHY131H1/ PHY151H1, PHY132H1/ PHY152H1, PHY224H1, PHY252H1/ PHY254H1/ PHY256H1, PHY324H1

Pharmacology and Biomedical Toxicology: (3.0 FCE) BIO130H1 (minimum grade of 70%), PSL300H1, PSL301H1, PCL201H1, PCL302H1, PCL345H1/ PCL362H1/ PCL469H1/ PCL470H1

Specialist in Statistical Science: Theory and Methods (Science Program) - ASSPE2290

Description:

Statistical Science encompasses methods and tools for obtaining knowledge from data and for understanding the uncertainty associated with this knowledge. The purposes of the undergraduate programs are to: (1) equip students with a general framework for obtaining knowledge from data; (2) give students skills that they are able to flexibly apply to a variety of problems; and (3) to provide students with the ability to learn new methods as needs, data sources, and technology change.

The Specialist Program in Statistical Science: Theory and Methods emphasizes probability and the theory of statistical inference as underlying mathematical frameworks for statistical data analysis. Students in the program acquire advanced expertise in statistical theory and methods, as well as an understanding of the role of statistical science to solve problems in a variety of contexts. The successful student will also acquire skills in mathematical reasoning, computational thinking, and communication in the context of solving statistical problems.

Enrolment Requirements:

This is a limited enrolment program that can only accommodate a certain number of students. Eligibility is based on the following:

For students entering the program after first year:

1. Completion of at least 4.0 FCEs including:

- STA130H1,
- CSC108H1/ CSC120H1/ CSC121H1/ CSC148H1,
- MAT223H1/ MAT240H1,
- MAT137Y1 with a minimum grade of 65% or MAT157Y1 with a minimum grade of 65%

AND

2. The average of the grades in STA130H1 and MAT137Y1/ MAT157Y1.

For students entering the program after second year :

1. Completion of:

- CSC108H1/ CSC120H1/ CSC121H1/ CSC148H1,
- MAT223H1/ MAT240H1,
- MAT237Y1/ MAT257Y1,

- STA257H1 with a minimum grade of 65% and STA261H1 with a minimum grade of 65%

AND

2. The average of the grades in STA257H1 and STA261H1 and MAT237Y1/ MAT257Y1.

It is difficult to predict the minimum average required for admission in any given year. More information will be posted on the department website as it becomes available.

Completion Requirements:

(11 full courses or their equivalent)

First Year:

STA130H1, CSC108H1/ CSC120H1/ CSC121H1/ CSC148H1, MAT137Y1/ MAT157Y1, MAT223H1/ MAT240H1

Second Year:

MAT224H1/ MAT247H1, MAT237Y1/ MAT257Y1; STA257H1, STA261H1

Higher Years:

1. STA304H1/ STA305H1, STA314H1/ STA365H1, STA347H1, STA355H1

2. 1.0 FCE from the following list: STA410H1, STA442H1, STA457H1, STA465H1, STA480H1

3. One of STA447H1, STA452H1, STA453H1

4. 1.0 FCE from: ACT451H1, ACT452H1, ACT460H1, MAT327H1, MAT332H1, MAT334H1/ MAT354H1, MAT337H1/ MAT357H1, MAT301H1/ MAT347Y1, MAT344H1, CSC207H1, CSC336H1, STA300 + level courses (excluding STA310H5)

5. 1 of STA492H1, STA496H1/ STA497H1/ STA498Y1/ STA499Y1 or successful completion of an internship (see department for more information about internships)

Note: Students planning to take any of these courses should ensure they have the required prerequisites

Statistics Major (Science Program) - ASMAJ2289

Description:

Statistical Science encompasses methods and tools for obtaining knowledge from data and for understanding the uncertainty associated with this knowledge. The purposes of the undergraduate programs are to: (1) equip students with a general framework for obtaining knowledge from data; (2) give students skills that they are able to flexibly apply to a variety of problems; and (3) to provide students with the ability to learn new methods as needs, data sources, and technology change.

The Major in Statistics gives students a broad understanding of the statistical methods and computational and communication skills appropriate for effective statistical problem solving. The successful student will also acquire a general understanding of the role of mathematical thinking to support the development and evaluate the properties of statistical methods. While the Major is designed to complement study in an area of application of quantitative methods,

students in the Major may choose to have a greater focus in probability and statistical theory through elective courses.

Enrolment Requirements:

(The following enrolment requirements will be in effect for the 2020 enrolment period.)

This is a limited enrolment program that can only accommodate a certain number of students. Eligibility is based on the following:

For students entering the program after first year:

A. Completion of at least 4.0 FCEs including:

- STA130H1,
- (MAT135H1, MAT136H1) or MAT137Y1 or MAT157Y1

AND

B. The average of the grades in STA130H1 and (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1. Note that students who take (MAT135H1, MAT136H1) will typically require a higher average grade in these courses than students who take MAT137Y1/ MAT157Y1.

For students entering the program after 2nd year:

A. Completion of:

- CSC108H1/ CSC120H1/ CSC121H1/ CSC148H1,
- MAT223H1/ MAT240H1,
- MAT235Y1/ MAT237Y1/ MAT257Y1,
- (STA237H1, STA238H1) or (STA247H1, STA248H1) or (STA257H1, STA261H1) or ECO227Y1

AND

B. The average of the grades in (STA237H1, STA238H1)/ (STA247H1, STA248H1) / (STA257H1, STA261Y1)/ ECO227Y1 and MAT235Y1/ MAT237Y1/ MAT257Y1. Note that students who take (STA237H1, STA238H1)/ (STA247H1, STA248H1) will typically require a higher average grade in these courses than students who took (STA257H1, STA261Y1)/ ECO227Y1.

It is difficult to predict the minimum average required for admission in any given year. More information will be posted on the department website as it becomes available.

Completion Requirements:

(7.0 full courses or their equivalent, including at least one STA 400-series course)

First Year:

STA130H1, CSC108H1/ CSC120H1/ CSC121H1/ CSC148H1, (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1.

(MAT223H1/ MAT240H1 recommended in 1st year)

Second Year:

MAT223H1/ MAT240H1, MAT235Y1/ MAT237Y1/ MAT257Y1; (STA247H1, STA248H1)/(STA237H1, STA238H1)/(STA257H1, STA261H1)/ ECO227Y1

(STA237H1 and STA238H1 are strongly recommended. MAT221H1 may not be used for this requirement.)

Higher Years:

1. STA302H1
2. 0.5 FCE from STA314H1/ STA365H1/ STA347H1/ STA355H1
3. 0.5 FCE from STA414H1/ STA437H1/ STA442H1/ STA457H1/ STA465H1/ STA480H1
4. 1.0 FCE from all available STA300+ level courses, excluding STA310H5

Statistics Minor (Science Program) - ASMIN2289

Description:

See proposal for Applied Statistics Specialist for more changes.

Completion Requirements:

(4 full courses or their equivalent)

First Year:

MAT133Y1 (70%)/(MAT135H1, MAT136H1)/MAT135Y / MAT137Y1/
MAT157Y1, CSC108H1/ CSC120H1/ CSC121H1/ CSC148H1
(MAT135H1, MAT136H1)/ MAT137Y1 / MAT157Y1 is strongly recommended).

STA130H1 is also strongly recommended.

Second Year:

MAT221H1 (70%)/ MAT223H1/ MAT240H1, (STA220H1/
STA221H1/ ECO220Y1, STA255H1)/(STA237H1,
STA238H1)/(STA247H1, STA248H1)/(STA257H1, STA261H1)/
ECO227Y1

MAT221H1 (70%)/ MAT223H1/ MAT240H1 recommended in 1st year

Higher Years:

STA302H1

1 half (H) course equivalent from all available STA300+ level courses (excluding STA310H5)

Statistical Sciences Courses

STA130H1 - An Introduction to Statistical Reasoning and Data Science

Hours: 24L/24P

This course, intended for students considering a program in Statistical Sciences, discusses the crucial role played by statistical reasoning in solving challenging problems from natural science, social science, technology, health care, and public policy, using a combination of logical thinking, mathematics, computer simulation, and oral and written discussion and analysis.

Corequisite: MAT135H1/ MAT136H1/ MAT137Y1/ MAT157Y1.

Strongly recommended: CSC108H1/ CSC120H1/ CSC121H1/ CSC148H1

Exclusion: Any of STA220H1/ STA255H1/ STA248H1/ STA261H1/ ECO220Y1/ ECO227Y1/ STAB22H3/ STA220H5/ STAB57H3/ STA258H5/ STA260H5/ ECO220Y5/ ECO227Y5 taken previously or concurrently

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

STA198H1 - PROBABILITIES EVERYWHERE

Hours: 24S

This course examines the meaning and mathematics of probabilities, and how they arise in our everyday lives. Specific topics may include: the nature of coincidences, the concept of luck, games involving dice and cards, long run averages in casinos, margins of error in polls, the interpretation of medical studies, crime statistics, decision making, pseudorandomness, and Monte Carlo algorithms. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Grade 12 Mathematics

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

STA199H1 - Statistical Evidence: Truth or Myth?

Hours: 24S

This course explores the impact Statistics has made and continues to make on everyday life through science, law, and the modern methods for information processing. Statistical principles will be illustrated using examples from real life including business, romance and health. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

STA201H1 - Why Numbers Matter

Hours: 36L

This course teaches non-science students the importance of quantitative reasoning to many different areas. It explores a variety of applications to such diverse subjects as economics, gambling, politics, poetry, graphics, music, medicine, demographics, sports, secret codes, and more, using only basic high school level mathematics combined with logical thinking.

Exclusion: MAT133Y1/ MAT135H1/ MAT136H1/ MAT137Y1/ MAT157Y1/(MATA32H3, MATA33H3)/(MATA30H3, MATA36H3)/(MATA31H3, MATA37H3)/MAT133Y5/MAT135Y5/MAT137Y5/MAT157Y5. This course is not open to first-year students, nor to students enrolled in any science Major or Specialist program.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

STA237H1 - Probability, Statistics and Data Analysis I

Hours: 36L/12T

An introduction to probability using simulation and mathematical frameworks, with emphasis on the probability needed for more advanced study in statistical practice. Topics covered include probability spaces, random variables, discrete and continuous probability distributions, probability mass, density, and distribution functions, expectation and variance, independence, conditional probability, the law of large numbers, the central limit theorem, sampling distributions. Computer simulation will be taught and used extensively for calculations and to guide the theoretical development.

Prerequisite: (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1/ (MATA30H3, MATA36H3)/(MATA31H3,

MATA37H3)/MAT135Y5/MAT137Y5/MAT157Y5

Exclusion: STA247H1, STA255H1, STA257H1, ECO227Y1, STAB52H3, STA256H5, ECO227Y5

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

STA220H1 - The Practice of Statistics I

Hours: 36L

An introductory course in statistical concepts and methods, emphasizing exploratory data analysis for univariate and bivariate data, sampling and experimental designs, basic probability models, estimation and tests of hypothesis in one-sample and comparative two-sample studies. A statistical computing package is used but no prior computing experience is assumed. Note: STA220H1 does not count as a distribution requirement course.

Prerequisite: Grade 12 Mathematics and one University course in the physical, social, or life sciences

Exclusion: ECO220Y1/ ECO227Y1/ GGR270H1/ PSY201H1/ SOC300Y1/ STA250H1/ STA261H1/ STA248H1/ STA288H1/ EEB225H1/ STAB22H3/ STAB57H3/ STA215H5/ STA220H5/ ECO220Y5/ ECO227Y5/ STA258H5/ STA260H5

Breadth Requirements: The Physical and Mathematical Universes (5)

STA238H1 - Probability, Statistics and Data Analysis II

Hours: 36L/12T

An introduction to statistical inference and practice. Statistical models and parameters, estimators of parameters and their statistical properties, methods of estimation, confidence intervals, hypothesis testing, likelihood function, the linear model. Use of statistical computation for data analysis and simulation.

Prerequisite: STA237H1/ STA247H1/ STA257H1/ STAB52H3/STA256H5

Exclusion: STA248H1, STA255H1, STA261H1, ECO227Y1, STAB57H3, STA258H5, STA260H5, ECO227Y5

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

STA221H1 - The Practice of Statistics II

Hours: 36L/12T

Continuation of STA220H1 (or similar course), emphasizing major methods of data analysis such as analysis of variance for one factor and multiple factor designs, regression models, categorical and non-parametric methods (Note: STA221H1 does not count as a distribution requirement course).

Prerequisite: STA220H1/ STA288H1/ PSY201H1/ GGR270H1/ EEB225H1/STAB22H3/STA220H5

Exclusion: ECO220Y1/ ECO227Y1/ GGR270Y1/ PSY202H1/ SOC300H1/ SOC202H1/ SOC252H1/ STA261H1/ STA248H1/ STAB27H3/ STA221H5/ ECO220Y5/ ECO227Y5/ STAB57H3/ STA258H5/ STA260H5

Breadth Requirements: The Physical and Mathematical Universes (5)

STA247H1 - Probability with Computer Applications

Hours: 36L/12T

Introduction to the theory of probability, with emphasis on applications in computer science. The topics covered include random variables, discrete and continuous probability distributions, expectation and variance, independence, conditional probability, normal, exponential, binomial, and Poisson distributions, the central limit theorem, sampling distributions, estimation and testing, applications to the analysis of algorithms, and simulating systems such as queues (Note: STA247H1 does not count as a distribution requirement course).

Prerequisite: (MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1/ (MATA30H3, MATA36H3)/(MATA31H3, MATA37H3)/MAT135Y5/MAT137Y5/MAT157Y5; CSC108H1/ CSC148H1/CSCA08H3/CSCA48H3/CSC108H5/CSC148H5

Exclusion: ECO227Y1/ STA255H1/ STA257H1/ STAB52H3/STA256H5/ECO227Y5

Breadth Requirements: The Physical and Mathematical Universes (5)

STA255H1 - Statistical Theory

Hours: 36L/12T

This courses deals with the mathematical aspects of some of the topics discussed in STA250H1. Topics include discrete and continuous probability distributions, conditional probability, expectation, sampling distributions, estimation and testing, the linear model (Note: STA255H1 does not count as a distribution requirement course).

Prerequisite: STA220H1/ STA221H1/ ECO220Y1 (note: ECO220Y1 may be taken as a co-requisite)/STAB22H3/STA220H5/ECO220Y5; MAT133Y1 (70%)/(MAT135H1, MAT136H1)/ MAT137Y1/ MAT157Y1/ (MATA32H3 (70%), MATA33H3 (70%))/(MATA30H3, MATA36H3)/(MATA31H3, MATA37H3)/MAT133Y5 (70%)/MAT135Y5/MAT137Y5/MAT157Y5

Exclusion: ECO227Y1/ STA257H1/ STA261H1/ STA247H1/ STA248H1/ STAB52H3/STAB57H3/STA256H5/STA260H5/ECO220Y5

Breadth Requirements: The Physical and Mathematical Universes (5)

STA248H1 - Statistics for Computer Scientists

Hours: 36L/12T

A survey of statistical methodology with emphasis on data analysis and applications. The topics covered include descriptive statistics, data collection and the design of experiments, univariate and multivariate design, tests of significance and confidence intervals, power, multiple regression and the analysis of variance, and count data. Students learn to use a statistical computer package as part of the course (Note: STA248H1 does not count as a distribution requirement course).

Prerequisite: STA247H1/ STA257H1/STA256H5/STAB52H3; CSC108H1/ CSC148H1/ CSCA08H3/CSCA48H3/CSC108H5/CSC148H5

Exclusion: ECO220Y1/ ECO227Y1/ GGR270Y1/ PSY201H1/ SOC300H1/ SOC202H1/ SOC252H1/ STA220H1/ STA221H1/ STA250H1/ STA255H1/ STA261H1/ STA288H1/ EEB225H1/ STAB22H3/ STAB27H3/ STAB57H3/ STA220H5/ STA221H5/ STA258H5/ STA260H5/ ECO220Y5/ ECO227Y5

Breadth Requirements: The Physical and Mathematical Universes (5)

STA257H1 - Probability and Statistics I

Hours: 36L/12T

A mathematically rigorous introduction to probability, with applications chosen to introduce concepts of statistical inference. Probability and expectation, discrete and continuous random variables and vectors, distribution and density functions, the law of large numbers. The binomial, geometric, Poisson, and normal distributions. The Central Limit Theorem. (Note: STA257H1 does not count as a distribution requirement course).

Prerequisite: (MAT135H1 (70%), MAT136H1(70%))/ MAT137Y1/ MAT157Y1 (MAT137Y1/ MAT157Y1 is strongly recommended)/MATA36H3(70%)/MATA37H3/MAT135Y5(70%)/MAT137Y5/MAT157Y5

Corequisite: MAT235Y1/ MAT237Y1/ MAT257Y1 (MAT237Y1/ MAT257Y1 is strongly recommended)/MATB41H3/MAT232H5/MAT233H5; MAT223H1/ MAT240H1/MATA23H3/MAT223H5/MAT240H5

Exclusion: ECO227Y1, STA247H1, MAT377H1, STAB52H3, STA256H5, ECO227Y5

Breadth Requirements: The Physical and Mathematical Universes (5)

STA261H1 - Probability and Statistics II**Hours:** 36L/12T

A rigorous introduction to the theory of statistical inference and to statistical practice. Statistical models, parameters, and samples. Estimators for parameters, sampling distributions for estimators, and the properties of consistency, bias, and variance. The likelihood function and the maximum likelihood estimator. Hypothesis tests and confidence regions. Examples illustrating statistical theory and its limitations. Introduction to the use of a computer environment for statistical analysis. (Note: STA261H1 does not count as a distribution requirement course).

Prerequisite: STA257H1/STAB52H3/STA256H5**Corequisite:** MAT235Y1/ MAT237Y1/ MAT257Y1/
MATB42H3/MAT236H5; MAT223H1/ MAT240H1/
MATA23H3/MAT223H5/MAT240H5**Exclusion:** ECO227Y1/ STA248H1/ STA255H1/
STAB57H3/STA260H5/ECO227Y5**Breadth Requirements:** The Physical and Mathematical Universes (5)**STA288H1 - Statistics and Scientific Inquiry in the Life Sciences****Hours:** 36L/18P

Introduction to statistics and its connection to all stages of the scientific inquiry process. Issues around data collection, analysis and interpretation are emphasized to inform study design and critical assessment of published research. Statistical software is used to conduct descriptive and inferential statistics to address basic life sciences research questions.

Prerequisite: BIO230H1/ BIO255H1**Exclusion:** STA220H1, PSY201H1, GGR270H1, ECO220Y1,
ECO227Y1, SOC202H1, EEB225H1, HMB325H1, STA248H1,
STA261H1, PCL376H1, STA215H5, STA220H5, STAB22H3**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**STA299Y1 - Research Opportunity Program****Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Science**STA302H1 - Methods of Data Analysis I****Hours:** 36L

Introduction to data analysis with a focus on regression. Initial Examination of data. Correlation. Simple and multiple regression models using least squares. Inference for regression parameters, confidence and prediction intervals. Diagnostics and remedial measures. Interactions and dummy variables. Variable selection. Least squares estimation and inference for non-linear regression.

Prerequisite: STA238H1/ STA248H1/ STA255H1/ STA261H1/
ECO227Y1/STAB57H3/STA258H5/STA260H5/ECO227Y5;**Corequisite:** CSC108H1/ CSC120H1/ CSC121H1/ CSC148H1/
CSCA08H3/CSCA48H3/CSC108H5/CSC148H5; MAT221H1(70%)/
MAT223H1/ MAT240H1/MATA23H3/MAT223H5/MAT240H5**Exclusion:** STAC67H3, STA302H5**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)

STA303H1 - Methods of Data Analysis II**Hours:** 36L

Analysis of variance for one-and two-way layouts, logistic regression, loglinear models, longitudinal data, introduction to time series.

Prerequisite: STA302H1/STAC67H3/STA302H5**Exclusion:** STAC51H3**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**STA304H1 - Surveys, Sampling and Observational Data****Hours:** 36L

Design of surveys, sources of bias, randomized response surveys. Techniques of sampling; stratification, clustering, unequal probability selection. Sampling inference, estimates of population mean and variances, ratio estimation. Observational data; correlation vs. causation, missing data, sources of bias.

Prerequisite: ECO220Y1/ ECO227Y1/ GGR270H1/ PSY201H1/ SOC300H1/ SOC202H1/ STA220H1/ STA255H1/ STA261H1/ STA248H1/ STA238H1/ STA288H1/ EEB225H1/ STAB22H3/ STAB57H3/ STA220H5/ STA258H5/ STA260H5/ ECO220Y5/ ECO227Y5**Exclusion:** STAC50H3, STAC52H3, STA304H5**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**STA305H1 - Design and Analysis of Experiments****Hours:** 36L

Experiments vs observational studies, experimental units. Designs with one source of variation. Complete randomized designs and randomized block designs. Factorial designs. Inferences for contrasts and means. Model assumptions. Crossed and nested treatment factors, random effects models. Analysis of variance and covariance. Sample size calculations.

Prerequisite: STA302H1/STAC67H3/STA302H5**Exclusion:** STAC50H3, STAC52H3, STA305H5**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**STA314H1 - Statistical Methods for Machine Learning I****Hours:** 36L/12T

Statistical methods for supervised and unsupervised learning from data: training error, test error and cross-validation; classification, regression, and logistic regression; principal components analysis; stochastic gradient descent; decision trees and random forests; k-means clustering and nearest neighbour methods. Computational tutorials will support the efficient application of these methods.

Prerequisite: STA238H1/ STA248H1/ STA255H1/ STA261H1/ STAB57H3/STA260H5; CSC108H1/ CSC120H1/ CSC121H1/ CSC148H1/ CSCA08H3/CSCA48H3/CSCA20H3/CSC108H5/CSC148H5; MAT223H1/ MAT240H1/MATA23H3/MAT223H5/MAT240H5; MAT235Y1/ MAT237Y1/ MAT257Y1/(MATB41H3, MATB42H3)/(MAT232H5, MAT236H5)/(MAT233H5, MAT236H5)**Corequisite:** STA302H1/STA302H5**Exclusion:** CSC411H1, CSC311H1, STA314H5, STA315H5, CSCC11H3, CSC411H5**Breadth Requirements:** The Physical and Mathematical Universes (5)**STA347H1 - Probability****Hours:** 36L

An overview of probability from a non-measure theoretic point of view. Random variables/vectors; independence, conditional expectation/probability and consequences. Various types of convergence leading to proofs of the major theorems in basic probability. An introduction to simple stochastic processes such as Poisson and branching processes.

Prerequisite: STA247H1/ STA255H1(70%)/ STA237H1(70%)/ STA257H1/ ECO227Y1/STAB52H3/STA256H5; MAT223H1/ MAT240H1/MATA23H3/MAT223H5/MAT240H5; MAT235Y1/ MAT237Y1/ MAT257Y1/(MATB41H3, MATB42H3)/(MAT232H5, MAT236H5)/(MAT233H5, MAT236H5) (Note: STA257H1, MAT223H1/ MAT240H1, MAT237Y1/ MAT257Y1 are very strongly recommended)**Exclusion:** MAT377H1/STAC62H3**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)

STA355H1 - Theory of Statistical Practice**Hours:** 24L/12P

STA355H1 provides a unifying structure for the methods taught in other courses, and will enable students to read methodological research articles or articles with a large methodological component. Topics covered include statistical models and distributions; fundamentals of inference: estimation, hypothesis testing, and significance levels; likelihood functions and likelihood-based inference; prior distributions and Bayesian inference.

Prerequisite: STA255H1 (75%)/ STA248H1 (75%)/ STA238H1 (75%)/ STA261H1 (60%)/ ECO227Y1 (60%)/STAB57H5 (60%)/STA260H5 (60%)/ECO227Y5 (60%); MAT235Y1/ MAT237Y1/ MAT257Y1/(MATB41H3, MATB42H3)/(MAT232H5, MAT236H5)/(MAT233H5, MAT236H5); MAT223H1/ MAT240H1/ MATA23H3/MAT223H5/MAT240H5

Exclusion: STAC58H3

Recommended Preparation: CSC108H1/ CSC120H1/ CSC121H1/ CSC148H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

JSC370H1 - Data Science II**Hours:** 24L/24P

This course is restricted to students in the Data Science Specialist program. Students will learn to identify and answer questions through the application of exploratory data analysis, data visualization, statistical methods or machine learning algorithms to complex data. Software development for data science and reproducible workflows. Communication of statistical information at various technical levels, ethical practice of data analysis and software development, and teamwork skills. Topics will be explored through case studies and collaboration with researchers in other fields.

Prerequisite: JSC270H1, STA261H1, MAT237Y1/ MAT257Y1, CSC263H1, STA302H1, CSC343H1

Corequisite: STA303H1/ STA305H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

STA398H0 - Research Excursions**Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Science

STA398Y0 - Research Excursions**Hours:** TBA

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/rep>. Not eligible for CR/NCR option.

Distribution Requirements: Science

STA399Y1 - Research Opportunity Program**Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

STA410H1 - Statistical Computation

Hours: 36L

Programming in an interactive statistical environment. Generating random variates and evaluating statistical methods by simulation. Algorithms for linear models, maximum likelihood estimation, and Bayesian inference. Statistical algorithms such as the Kalman filter and the EM algorithm. Graphical display of data.

Prerequisite: STA302H1/STAC67H3/STA302H5; CSC108H1/CSC120H1/ CSC121H1/ CSC148H1/ CSCA08H3/CSCA48H3/CSCA20H3/CSC108H5/CSC148H5; MAT223H1/ MAT240H1/MATA23H3/MAT223H5/MAT240H5

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

STA437H1 - Methods for Multivariate Data

Hours: 24L/12P

Practical techniques for the analysis of multivariate data; fundamental methods of data reduction with an introduction to underlying distribution theory; basic estimation and hypothesis testing for multivariate means and variances; regression coefficients; principal components and partial, multiple and canonical correlations; multivariate analysis of variance; profile analysis and curve fitting for repeated measurements; classification and the linear discriminant function.

Prerequisite: STA302H1/ STA352Y1/STAC67H3/STA302H5 (MAT224H1/ MAT247H1 recommended)

Exclusion: STAD37H3, STA437H5

Recommended Preparation: MAT223H1/ MAT240H1/

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

STA414H1 - Statistical Methods for Machine Learning II

Hours: 36L

Probabilistic foundations of supervised and unsupervised learning methods such as naive Bayes, mixture models, and logistic regression. Gradient-based fitting of composite models including neural nets. Exact inference, stochastic variational inference, and Marko chain Monte Carlo. Variational autoencoders and generative adversarial networks.

Prerequisite: STA314H1/ CSC411H1/ CSC311H1/(STA314H5, STA315H5)/CSCC11H3/CSC411H5; STA302H1/ STAC67H3/STA302H5; CSC108H1/ CSC120H1/ CSC121H1/ CSC148H1/ CSCA08H3/CSCA48H3/CSCA20H3/CSC108H5/CSC148H5; MAT235Y1/ MAT237Y1/ MAT257Y1/(MATB41H3, MATB42H3)/(MAT232H5, MAT236H5)/(MAT233H5, MAT236H5); MAT223H1/ MAT240H1/MATA23H3/MAT223H5/MAT240H5

Exclusion: CSC412H1

Recommended Preparation: STA303H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

STA442H1 - Methods of Applied Statistics

Hours: 36L

Advanced topics in statistics and data analysis with emphasis on applications. Diagnostics and residuals in linear models, introduction to generalized linear models, graphical methods, additional topics such as random effects models, designed experiments, model selection, analysis of censored data, introduced as needed in the context of case studies.

Prerequisite: STA302H1/STAC67H3/STA302H5; CSC108H1/ CSC120H1/ CSC121H1/ CSC148H1/ CSCA08H3/CSCA48H3/CSCA20H3/CSC108H5/CSC148H5

Exclusion: STA441H5

Recommended Preparation: At least an additional 1.0 FCE in STA courses at the 300 or 400 level

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

STA447H1 - Stochastic Processes

Hours: 36L

Discrete and continuous time processes with an emphasis on Markov, Gaussian and renewal processes. Martingales and further limit theorems. A variety of applications taken from some of the following areas are discussed in the context of stochastic modeling: Information Theory, Quantum Mechanics, Statistical Analyses of Stochastic Processes, Population Growth Models, Reliability, Queuing Models, Stochastic Calculus, Simulation (Monte Carlo Methods).

Prerequisite: STA347H1/ MAT377H1/STAC62H3

Exclusion: STA348H5, STAC63H5

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

STA422H1 - Theory of Statistical Inference

Hours: 36L

This course examines current theory of statistical inference, particularly likelihood-based methods and Bayesian methods with an emphasis on resolving present conflicts; log-model expansion and asymptotics are primary tools.

Prerequisite: STA355H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

STA450H1 - Topics in Statistics**Hours:** 36L

Topics of current research interest are covered. Topics change from year to year, and students should consult the department for information on material presented in a given year.

Distribution Requirements: Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**STA452H1 - Mathematical Statistics I****Previous Course Number:** STA352Y1**Hours:** 36L

Statistical theory and its applications at an advanced mathematical level. Topics include probability and distribution theory as it specifically pertains to the statistical analysis of data. Linear models and the geometry of data, least squares and the connection to conditional expectation. The basic concept of inference and the likelihood function.

Prerequisite: MAT223H1/ MAT240H1/ MATA23H3/MAT223H5/MAT240H5; MAT235Y1/ MAT237Y1/ MAT257Y1/(MATB41H3, MATB42H3)/(MAT232H5, MAT236H5)/(MAT233H5, MAT236H5); (STA257H1, STA355H1)/ STA347H1. Note: MAT237Y1/ MAT257Y1; (MAT223H1, MAT224H1)/ MAT240H1 very strongly recommended.

Exclusion: STA352Y1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**STA453H1 - Mathematical Statistics II****Previous Course Number:** STA352Y1**Hours:** 36L

Continuation of STA452H1: statistical theory and its applications at an advanced mathematical level. Topics include classical estimation, theory with methods based on the likelihood function and the likelihood statistics. Testing hypothesis and the evaluation of conference from both a bayesian and frequentist point of view.

Prerequisite: STA452H1**Exclusion:** STA352Y1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**STA457H1 - Time Series Analysis****Hours:** 36L

An overview of methods and problems in the analysis of time series data. Topics include: descriptive methods, filtering and smoothing time series, theory of stationary processes, identification and estimation of time series models, forecasting, seasonal adjustment, spectral estimation, bivariate time series models.

Prerequisite: STA302H1/STAC67H3/STA302H5; MAT235Y1/ MAT237Y1/ MAT257Y1/(MATB41H3, MATB42H3)/(MAT232H5, MAT236H5)/(MAT233H5, MAT236H5)

Exclusion: STAD57H3, STA457H5**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**STA465H1 - Theory and Methods for Complex Spatial Data****Hours:** 36L

Data acquisition trends in the environmental, physical and health sciences are increasingly spatial in character and novel in the sense that modern sophisticated methods are required for analysis. This course will cover different types of random spatial processes and how to incorporate them into mixed effects models for Normal and non-Normal data. Students will be trained in a variety of advanced techniques for analyzing complex spatial data and, upon completion, will be able to undertake a variety of analyses on spatially dependent data, understand which methods are appropriate for various research questions, and interpret and convey results in the light of the original questions posed.

Prerequisite: STA302H1/STAC67H3/STA302H5, STA303H1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**JSC470H1 - Data Science III****Hours:** 24L/24P

This course is **restricted to** students in the Data Science Specialist program. Research topics and applications of data science methods will be explored through case studies and collaboration with researchers in other fields. Data analysis, visualization, and communication of statistical information at various technical levels, ethical practice of data analysis and software development, and teamwork skills.

Prerequisite: JSC370H1, STA314H1/ CSC411H1/ CSC311H1, STA303H1/ STA305H1

Exclusion: STA490Y1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)

STA480H1 - Fundamentals of Statistical Genetics

Hours: 36L/9P

Statistical analysis of genetic data is an important emerging research area with direct impact on population health. This course provides an introduction to the concepts and fundamentals of statistical genetics, including current research directions. The course includes lectures and hands-on experience with R programming and state-of-the-art statistical genetics software packages.

Prerequisite: STA303H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

STA490Y1 - Statistical Consultation, Communication, and Collaboration

Previous Course Number: STA490H1

Hours: 48L/48P

Through case studies and collaboration with researchers in other disciplines, students develop skills in the collaborative practice of Statistics. Focus is on pragmatic solutions to practical issues including study design, dealing with common complications in data analysis, and ethical practice, with particular emphasis on written communication.

Prerequisite: STA303H1, STA304H1/ STA305H1, STA355H1
(Permission of instructor. Priority is given to students completing all requirements of the Applied Statistics specialist program.)

Corequisite: one additional 400 level STA course

Exclusion: STA490H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

STA492H1 - Seminar in Statistical Science

Hours: 36S

This course is intended for students completing the Statistical Science: Theory and Methods Specialist program. Novel influential ideas and current research topics in statistics will be explored through readings and discussion. Content will generally vary from semester to semester. Student presentations and written reports will be required.

Prerequisite: STA355H1 (Permission of instructor. Priority is given to students completing all requirements of the Statistical Science: Theory and Methods specialist program.)

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

STA496H1 - Readings in Statistics

Hours: TBA

Independent study under the direction of a faculty member. Persons wishing to take this course must have the permission of the Undergraduate Secretary and of the prospective supervisor. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

STA497H1 - Readings in Statistics

Hours: TBA

Independent study under the direction of a faculty member. Persons wishing to take this course must have the permission of the Undergraduate Secretary and of the prospective supervisor. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

STA498Y1 - Readings in Statistics

Hours: TBA

Independent study under the direction of a faculty member. Persons wishing to take this course must have the permission of the Undergraduate Secretary and of the prospective supervisor. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

STA499Y1 - Readings in Statistics

Hours: TBA

Independent study under the direction of a faculty member. Persons wishing to take this course must have the permission of the Undergraduate Secretary and of the prospective supervisor. Not eligible for CR/NCR option.

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

Trinity College

Faculty List

Professors

D.P.H. Allen, MA, B. Phil, D. Phil
 R. Bothwell, MA, PhD
 M. Hewitt, MA, PhD
 J. Kirton, MA, PhD (Interim Director, International Relations Program)
 M. Moran, LL.B, LL.M, SJD (ES&L Program)
 M. Ratcliffe, BSc, PhD
 I. Zeitlin, PhD

Assistant Professors

J. Billett, M.Phil., PhD
 J. Duncan, MA, PhD (Director, Ethics, Society, & Law Program)
 M.J. Kessler, PhD (Director, Trinity One Program)

Sessional Lecturers

L. Boehm, MSc, PhD (Trinity One)
 M. Braunstein, BSc, MSc, PhD (Trinity One)
 S. J. Cunningham, PhD (IR Program)
 S. Davis, MA, PhD (Trinity One and Associate Director, ES&L Program)
 J. M. Dirks, PhD (IR Program)
 J. English, MA, PhD (IR Program)
 H. Evans Cameron, BA, LL.B, SJD (ES&L Program)
 J. Fitzgibbon, PhD (Trinity One)
 J. Herold, BA, MA, PhD
 A. Kislenko, MA, PhD (Trinity One)
 D. Laverty, BA, PhD (Other Trinity Courses and ES&L Program)
 O. Rojas, PhD (Trinity One)
 S. Stevenson, MA, PhD (Other Trinity Courses)
 P. Patchet-Golubev, (Other Trinity Courses)

Adjunct Professors

B. Ferguson, MA, PhD
 SJ Silverman, MA, DPhil (ES&L Program)

Introduction

Trinity College offers Trinity One, a set of first-year courses, an independent studies program, and three inter-disciplinary programs: Ethics, Society, and Law; Immunology; International Relations. The Major Program in Ethics, Society, and Law assembles courses offered by a variety of Departments and Colleges, including History, Philosophy, Political Science, Religion, Sociology, Woodsworth College and Trinity College. The Specialist and Major Programs in Immunology are assembled from offerings by the Departments of Biochemistry, Immunology, Molecular Genetics. The International Relations Program encompasses courses offered by the Departments of History, Political Science, Economics and Trinity College.

The Margaret MacMillan Trinity One Program

Trinity One provides first-year students with the opportunity to explore together significant issues and ideas pertaining to the conduct of human life and world affairs. Trinity One has six streams, each linked to a prominent aspect of the College's intellectual identity: Policy, Philosophy, & Economics; Ethics, Society, & Law; International Relations; Medicine & Global Health; Biomedical Health; and Environment & Sustainability. Each stream includes two seminar courses limited to 25 students. These courses foster small-group discussion and emphasize the development of critical-thinking, oral-presentation, writing and research skills. Co-curricular

events enable students in the streams of Trinity One to hear guest speakers and to engage in informal conversation with one another and with their professors. Please see the [Trinity One webpages](#).

Ethics, Society, and Law

The Ethics, Society and Law program allows undergraduates to explore some of the most crucial questions facing contemporary society, and to do so by means of an explicitly interdisciplinary approach. The humanities, social sciences and natural sciences all provide useful lenses for study and distinctive skill sets. Students are required to cover core areas in each of the streams; they additionally select their own areas of focus from optional courses in fields like philosophy, religion, anthropology, women and gender studies, economics, geography, political science, sociology and criminology. Engaging across disciplines, E, S and L majors acquire a strong critical preparation for well-informed, effective analysis and action, which will serve them professionally, locally and as members of the global community. Please see the [ES&L webpages](#).

Immunology Studies

For more information please see the entry under [Immunology](#) or the [Immunology departmental web site](#).

Independent Studies

Consult the Director, Dr. Gillian Gillison, Trinity College (office is located in room 319 Larkin Building).

The Trinity College Independent Studies Program is open to students of all colleges. Only full-time students are eligible to apply. The program allows you to undertake extensive research into a topic that interests you, and is an especially suitable way of doing interdisciplinary work on subjects that are not directly part of the present university curriculum. Enrolment is open until the end of the first week of the semester in which the course will begin.

Participation in the program is restricted to students who have completed at least 10 courses (*FCEs*) and have maintained a CGPA of at least 3.50. Students applying to the Trinity Program must already have the agreement of a full-time faculty member of the University to act as supervisor for either a half course or a full year Independent Study course. The maximum number of independent studies half courses for which a student may receive credit is one, and the maximum number of independent studies full course equivalents for which a student may receive credit is two, typically one credit in third year and one credit in fourth year. Permission to undertake Trinity independent studies projects for the equivalent of two full courses will normally be granted only to students with a cumulative GPA of at least 3.70. Your proposal must be approved by your supervisor and accepted by the director of the program, Dr. Gillian Gillison.

Course numbers are as follows: Students enrolling for the first time register for one or more of [TRN300H1](#), [TRN301Y1](#), [TRN302Y1](#) (third year), or for one or more of [TRN400H1](#), [TRN404Y1](#), [TRN405Y1](#) (fourth year), as appropriate. Those enrolling for a second time register in one of [TRN400H1](#), [TRN404Y1](#), and [TRN405Y1](#), as appropriate. Enrolment in third year TRN independent studies courses is not a prerequisite for fourth year TRN independent studies courses but students who initially enrol in fourth year TRN independent studies courses may not subsequently enrol in third year TRN independent studies courses.

Students are enrolled in TRN independent studies courses by the Dean of Arts' office at Trinity College. Students should complete the enrolment approval process in enough time to be enrolled no later than the end of the first week of classes in the relevant term.

Please note that a TRN independent studies course is not a "directed reading" course. The expectation is that students should do original research and provide a report of this research as part of their evaluation.

Students are required to identify a second reader for their final reports, in addition to their direct supervisor, whose evaluation of the paper will form part of their final grade for the course. The second reader should also be a Faculty member.

Students are required to file a graded progress report with the director of the program, Dr. Gillian Gillison, no later than two weeks before the last date for dropping the course without academic penalty. All work including final reports must be submitted on or before the last day of classes. The supervisor and second reader will then grade the report and copies of the final essay or report, one graded by the supervisor and one independently graded by the second reader must be emailed to the Director within one week of the last day of classes.

For more information, please see the Independent Studies [webpage](#).

Completion Requirements:

(7 full courses or the equivalent)

1. First year: While no specific courses are required in first year, course selection should take into account the program's admission requirements above, as well as the prerequisites for 200+ level courses students plan to take to complete the program.

2. Second year: PHL271H1, TRN203H1, and TRN204H1 are required courses that students are recommended to take in second year (their first year of registration in the program).

3. Third year: TRN303H1.

4. Fourth year: TRN412H1.

5. 1 FCE from ETH201H1, ETH210H1, ETH220H1, ETH230H1, ETH350H1, ETH401H1, PHL265H1, PHL275H1, POL200Y1, to be taken in any year of registration in the program.

6. 3.5 FCEs from Groups A-D, including at least 0.5 from each of Groups A-C and at least 2.0 at the 300+ level. Courses taken in fulfillment of requirement 5 above may not be counted toward the Group courses here.

Group A (Ethics)

ETH201H1, ETH210H1, ETH220H1, ETH230H1, ETH350H1, ETH401H1; PHL273H1, PHL275H1, PHL281H1, PHL295H1, PHL341H1, PHL373H1, PHL375H1, PHL378H1, PHL380H1, PHL381H1, PHL382H1, PHL383H1, PHL384H1, PHL394H1, PHL407H1; POL200Y1, POL330Y1; RLG221H1, RLG224H1, RLG228H1

Group B (Society)

ANT204H1; CSC300H1; ECO313H1, ECO332H1, ECO336H1; ENV221H1, ENV222H1, ENV347H1; GGR416H1; HIS332H1; HPS324H1; JGE331H1; PHL265H1, PHL365H1; POL214Y1, POL320Y1, POL412H1, POL432H1; PSY311H1, PSY321H1; SOC208H1, SOC212H1, SOC220H1, SOC265H1, SOC313H1, SOC330H1, SOC360H1, SOC367H1; CRI205H1, CRI210H1, CRI300H1, CRI335H1, CRI340H1, CRI380H1, CRI425H1; WGS373H1

Group C (Law)

CLA336H1; ECO320H1; ENV422H1; NMC484H1; PHL370H1; PHL484H1; POL337Y1, POL340Y1; SMC361H1; TRN304H1/TRN304Y1, TRN305Y1/TRN305H1, TRN425Y1; CRI225H1, CRI365H1; WGS365H1

Group D (Further Courses)

RLG309H1; TRN200Y1, TRN320H1, TRN321H1, TRN406H1/TRN407Y1, and with permission of the director: TRN300H1, TRN301Y1, TRN302Y1, TRN400H1, TRN404Y1, TRN405Y1, TRN377Y1, TRN477H1; one FCE from TRN160Y1, TRN161Y1, TRN171Y1, TRN172Y1.

N.B. (1) The above CRI courses are available only to students enrolled in the double major program Ethics, Society, and Law/Criminology. (2) Access to courses in the Ethics, Society, and Law program is not guaranteed; students must check prerequisites.

Trinity College Programs

Ethics, Society, and Law Major (Arts Program) - ASMAJ1618

Description:

The Ethics, Society and Law program allows undergraduates to explore some of the most crucial questions facing contemporary society, and to do so by means of an explicitly interdisciplinary approach. The humanities, social sciences and natural sciences all provide useful lenses for study and distinctive skill sets. Students are required to cover core areas in each of the streams; they additionally select their own areas of focus from optional courses in fields like philosophy, religion, anthropology, women and gender studies, economics, geography, political science, sociology and criminology. Engaging across disciplines, E, S and L majors acquire a strong critical preparation for well-informed, effective analysis and action, which will serve them professionally, locally and as a members of the global community. Please see the ES&L webpages:<http://www.trinity.utoronto.ca/current/programs-courses/esl/esl.html>

Enrolment Requirements:

The Ethics, Society, and Law Major is a Type 2 limited enrolment program. Enrolment is limited to students with an overall average of 77% or higher in 3 FCEs (at the end of first year) selected from courses that are categorized as BR=2 and/or BR=3. Please note that TRN170Y1 can also be included as a full credit towards selection even though it is classified as BR=1+2. For students applying at the end of second year, a minimal overall average of 77% is required in 3 FCEs from courses that count towards the program including at least 1.0 FCE from: ETH201H1, ETH210H1, ETH220H1, ETH230H1, PHL265H1, PHL271H1, PHL275H1, and POL200Y1. In either case, achieving the threshold mark does not necessarily guarantee admission to the program in any given year. Applications beyond second year will be assessed on a case-by-case basis.

International Relations Specialist (Arts Program) - ASSPE1469

Description:

The study of international relations dates back to antiquity and remains one of the most vital disciplines in the academic community. Its purpose is to explore the enduring questions of the origins of war and the maintenance of peace, the nature and exercise of power within an international system, and the changing character of the participants in international decision-making.

Drawing on the strengths of faculty members in History, Economics, and Political Science, the International Relations Specialist Program offers a structured and interdisciplinary education. The program provides students with knowledge of the historical and contemporary dimensions of the international system while introducing them to the methodologies employed in historical, political and economic analysis.

Enrolment Requirements:

The International Relations Specialist is a Type 3 program. Applicants must complete an application form including a Statement of Interest. Enrolment is limited to students with a combined average of at least 75% in the required first-year courses:

1. One FCE from: ECO100Y1/ECO101H1, ECO102H1/ECO105Y1
2. One FCE from:
GGR112H1
HIS102Y1/HIS103Y1
MUN101H1/MUN102H1/MUN105Y1 (in Munk One)
POL101Y1
TRN150Y1/TRN151Y1/TRN152Y1 (in Trinity One)
VIC181H1, VIC183H1, VIC184H1, VIC185H1 (in Vic One)
3. One FCE from:
One introductory modern language or MAT133Y1/MAT137Y1/MAT135H1, MAT136H1
Or a statistics course from social science departments (e.g. POL222H1+ POL232H1 for students with the prerequisites, from e.g. Advance Placement)

Note: Students are strongly encouraged to have or acquire fluency in French and another modern international language; including through relevant Advance Placement and other transfer credits. Students entering with basic language skills are strongly encouraged to take advanced language courses.

Achieving the threshold mark does not necessarily guarantee admission to the program in any given year. Students who are not admitted to the program may reapply for admission in a subsequent year.

Completion Requirements:

(13 full courses or the equivalent)

Consult the Office of the International Relations Program, room 310N, Munk School of Global Affairs, 416-946-8950.

Year 1:

1. One FCE from: ECO100Y1/ECO101H1, ECO102H1/ECO105Y1

2. One FCE from:
GGR112H1
HIS102Y1/HIS103Y1
MUN101H1/MUN102H1/MUN105Y1 (in Munk One)
POL101Y1
TRN150Y1/TRN151Y1/TRN152Y1 (in Trinity One)
VIC181H1, VIC183H1, VIC184H1, VIC185H1 (in Vic One)
3. One FCE from:
One introductory modern language or MAT133Y1/MAT137Y1/MAT135H1, MAT136H1
Or a statistics course from social science departments (e.g. POL222H1+ POL232H1 for students with the prerequisites, from e.g. Advance Placement)

Note: Students are strongly encouraged to have or acquire fluency in French and another modern international language; including through relevant Advance Placement and other transfer credits. Students entering with basic language skills are strongly encouraged to take advanced language courses.

Achieving the threshold mark does not necessarily guarantee admission to the program in any given year. Students who are not admitted to the program may reapply for admission in a subsequent year.

Year 2 (3 FCEs): ECO230Y1, POL208Y1, TRN250Y1

Year 3 (3.5 FCEs):

1. 1 FCE from:
ECO320H1/ECO341H1/ECO342H1/ECO362H1/ECO364H1/ECO365H1/ECO368H1
2. 1 FCE from:
HIS311Y1/HIS312H1/HIS324H1/HIS330H1/HIS338H1/HIS341Y1/HIS343H1/HIS344H1/HIS347H1/HIS350H1/HIS359H1/HIS361H1/HIS364H1/HIS377H1/HIS379H1/HIS385H1/HIS386H1/HIS397H1
3. 1 FCE from:
ANT452H1/ECO200Y1/ECO202Y1/ECO206Y1/ECO208Y1/ECO324H1/ECO341H1/ECO342H1/ECO362H1/ECO364H1/ECO365H1/ECO368H1/EUR200Y1/GGR314H1/GGR326H1/GGR329H1/GGR439H1/JHA384H1/JPA376H1/LAS200H1/LAS201H1/NMC378H1/POL300H1/POL302Y1/POL312Y1/POL323Y1/POL324H1/POL326Y1/POL329H1/POL330Y1/POL340Y1/POL361H1/POL362H1/POL371H1/POL372H1/POL377H1/POL380H1/POL384H1
4. 0.5 FCE from:
ECO351H1/TRN307H1/TRN308H1/TRN377Y1
Or any of the above not previously counted

Note: Those students choosing to add a Focus should be guided in their selection by the courses listed in their Focus group.

Year 4 (3.5 FCEs)

1. 1 FCE from: TRN419Y1/TRN421Y1
2. 2.5 FCE from:
ECO403H1/ECO419H1/ECO429H1/ECO430Y1/ECO431H1/ECO459H1/ECO465H1/GGR418H1/GGR419H1/GGR430H1, GLA2050H1/HIS401H1/HIS402H1/HIS405Y1/HIS411H1/HIS415Y1/HIS416H1/HIS417H1/HIS429H1/HIS430H1/HIS439H1/HIS445H1/HIS451H1/HIS457H1/HIS458Y1/HIS465Y1/HIS470H1/HIS471H1/HIS473H1/HIS479H1/HIS487H1/HIS488H1/HIS492H1/HIS493H1/HIS494H1/HIS498H1/POL409H1/POL410H1/POL412H1/POL413H1

POL417Y1/ POL435H1/
POL441H1/ POL442H1/ POL445H1/ POL456Y1/
POL457Y1/ POL459Y1/ POL466H1/
POL467H1/ POL468H1/ POL469H1/ POL472H1/
POL477H1/ POL481H1/ POL486H1/ POL486Y1/
POL487H1/ POL487Y1
TRN409H1/ TRN410H1/ VIC476H1

Note: Those students choosing to add a Focus should be guided in their selection by the courses listed in their Focus group.

Focus in Canadian Foreign & Security Relations (Specialist) - ASFOC1469B

Enrolment Requirements:

Enrolment in the International Relations Specialist is required for entry into this Focus.

Enrolment in this Focus is recommended after second year to guide choice of courses in the higher years. Please note normal course prerequisites will apply to all courses in the Focus.

Completion Requirements:

(2.5 FCE)

1. HIS311Y1 (Introduction to Canadian International Relations)
2. 1.5 FCE chosen from the following list:
HIS312H1 (Immigration to Canada), POL312Y1 (Canadian Foreign Policy), HIS402H1 (Canada and Decolonization), HIS405Y1 (Canadian Foreign Relations), HIS429H1 (Canada and Empire in the Twentieth Century), HIS430H1 (Canadians and the World Wars), POL467H1 (The Politics of Immigration & Multiculturalism in Canada), TRN409H1 (Canadian Defense Policy since the end of the Cold War), TRN409H1 (Nuclear Weapons and International Politics), TRN410H1 (Researching Critical Cases in Contemporary International Relations), TRN419Y1 (Comparative American, British and Canadian Foreign Policy), VIC476H1 (Capstone Seminar in Foreign Policy)

Notes:

- Focus courses meet the basic IRP inclusion standard of substantially and directly addressing relations between and among countries at the state or society level.
- Students can request substitutions from the IRP Director
- Not all courses may be available at all times without scheduling conflicts.

Focus in International Economy (Specialist) - ASFOC1469C

Enrolment Requirements:

Enrolment in the International Relations Specialist is required for entry into this Focus.

Enrolment in this Focus is recommended after second year to guide choice of courses in the higher years. Please note normal course prerequisites will apply to all courses in the Focus.

Completion Requirements:

(2.5 FCE)

1. ECO341H1 (Economic History 20th C: Trade, Migration, Money, Finance)
2. ECO342H1 (20th Century Economic History: Institutions, Growth, Inequality)
3. 1.5 FCE chosen from the following list:
ECO362H1 (Economic Growth), ECO364H1 (International Trade Theory), ECO365H1 (International Monetary Economics), ECO368H1 (Economics of Conflict), GGR326H1 (Remaking the Global Economy), POL361H1 (Global Political Economy I: History and Theory), POL362H1 (Global Political Economy II: Policy and Analysis), POL372H1 (Political Economy of Germany and the EU), ECO403H1 (Topics in Development Economics and Policy), ECO419H1 (International Macroeconomics), ECO459H1 (International Trade Regulation), ECO465H1 (International Financial Markets), GGR418H1 (Political Economy of Natural Resources), GGR430H1 (Geographies of Markets), HIS417H1 (Globalization, Science and Technology), POL411H1 (International Political Economy of Finance), POL435H1 (Business and Politics in a Global World), POL477H1 (Advanced Topics in International Political Economy)

Notes:

- Focus courses meet the basic IRP inclusion standard of substantially and directly addressing relations between and among countries at the state or society level.
- Students can request substitutions from the IRP Director
- Not all courses may be available at all times without scheduling conflicts.

Focus in International Law & Human Rights (Specialist) - ASFOC1469E

Enrolment Requirements:

Enrolment in the International Relations Specialist is required for entry into this Focus.

Enrolment in this Focus is recommended after second year to guide choice of courses in the higher years. Please note normal course prerequisites will apply to all courses in the Focus.

Completion Requirements:

(2.5 FCEs)

1. POL340Y1 (International Law)
2. 1.5 FCE chosen from the following list:
ECO320H1 (Law and Economics), HIS338H1 (The Holocaust to 1942), HIS361H1 (The Holocaust from 1942), HIS397H1 (Political Violence and Human Rights in Latin America), POL323Y1 (Might and Right among Nations), POL324H1 (Politics of the European Union), GGR419H1 (Environmental Justice), HIS411H1 (Great Trials in

History), HIS465Y1 (Gender and International Relations), HIS470H1 (History, Rights and Differences in South Asia), HIS487H1 (Animal and Human Rights in Anglo-American Culture), HIS493H1 (Humanity in War: The Modern Evolution of the Law of Armed Conflict), POL412H1 (Human Rights and International Relations), POL456Y1 (The G8, G20 and Global Governance), POL457Y1 (Markets, Justice and the Human Good), POL469H1 (Ethics in International Politics), TRN421Y1 (Fragile and Conflict-Affected States in Global Politics)

Notes:

- Focus courses meet the basic IRP inclusion standard of substantially and directly addressing relations between and among countries at the state or society level.
- Students can request substitutions from the IRP Director
- Not all courses may be available at all times without scheduling conflicts.

Focus in Transnational Exchanges (Specialist) - ASFOC1469G

Enrolment Requirements:

Enrolment in the International Relations Specialist is required for entry into this Focus.

Enrolment in this Focus is recommended after second year to guide choice of courses in the higher years. Please note normal course prerequisites will apply to all courses in the Focus.

Completion Requirements:

2.5 FCE from the following list:

ECO365H1 (International Monetary Economics), ECO368H1 (Economics of Conflict), HIS324H1 (British Imperial Experience), HIS341Y1 (Germany's Global Empire), HIS359H1 (Regional Politics and Radical Movements (Caribbean)), HIS415Y1 (Nationalism and Memory in Modern Europe), HIS439H1 (Russia's Empire), HIS494H1 (Gandhi's Global Conversations), JHA394H1 (The Asia Pacific War), POL371H1 (The Spatial Construction of the Political Economy), POL372H1 (Political Economy of Germany and the EU), POL409H1 (Political Economy of Technology), POL456Y1 (The G8, G20, and Global Governance), POL445H1 (Politics of Growth in Developing Countries), POL472H1 (The Comparative Political Economy of Industrial Societies), TRN409H1 (Nuclear Weapons and International Politics), TRN410H1 (Research Critical Cases in Contemporary International Relations)

Notes:

- Focus courses meet the basic IRP inclusion standard of substantially and directly addressing relations between and among countries at the state or society level.
- Students can request substitutions from the IRP Director
- Not all courses may be available at all times without scheduling conflicts.

International Relations Major (Arts Program) - ASMAJ1469

Description:

The study of international relations dates back to antiquity and remains one of the most vital disciplines in the academic community. Its purpose is to explore the enduring questions of the origins of war and the maintenance of peace, the nature and exercise of power within an international system, and the changing character of the participants in international decision-making.

Drawing on the strengths of faculty members in History, Economics, and Political Science, the International Relations Specialist Program offers a structured and interdisciplinary education. The program provides students with knowledge of the historical and contemporary dimensions of the international system while introducing them to the methodologies employed in historical, political and economic analysis.

Enrolment Requirements:

The International Relations Major is a Type 3 program. Applicants must complete an application form including a Statement of Interest. Enrolment is limited to students with a combined average of at least 70% in the required first-year courses:

1. One FCE from: ECO100Y1/ECO101H1, ECO102H1)/
ECO105Y1
2. One FCE from:
GGR112H1
HIS102Y1/HIS103Y1
MUN101H1/MUN102H1/MUN105Y1 (in Munk One)
POL101Y1
TRN150Y1/TRN151Y1/TRN152Y1 (in Trinity One)
VIC181H1, VIC183H1, VIC184H1, VIC185H1 (in Vic One)

Achieving the threshold mark does not necessarily guarantee admission to the program in any given year. Students who are not admitted to the program may reapply for admission in a subsequent year.

Completion Requirements:

(7.5 FCEs)

Year 1 (2 FCEs)

1. One FCE from: ECO100Y1/ECO101H1, ECO102H1)/
ECO105Y1
2. One FCE from:
GGR112H1
HIS102Y1/HIS103Y1
MUN101H1/MUN102H1/MUN105Y1 (in Munk One)
POL101Y1
TRN150Y1/TRN151Y1/TRN152Y1 (in Trinity One)
VIC181H1, VIC183H1, VIC184H1, VIC185H1 (in Vic One)

Year 2 (3 FCEs)

1. ECO230Y1
2. POL208Y1
3. TRN250Y1

Year 3 (2 FCEs)

1. 1 FCE from:
HIS311Y1/HIS312H1/HIS324H1/HIS330H1/HIS338H1/
HIS341Y1/HIS343H1/HIS344H1/HIS347H1/HIS350H1/
HIS359H1/HIS361H1/HIS364H1/HIS377H1/HIS379H1/
HIS385H1/HIS386H1/HIS397H1/TRN307H1/TRN308H1
2. 1 FCE from:
ANT452H1/ECO200Y1/ECO202Y1/ECO206Y1/
ECO208Y1/ECO324H1/ECO341H1/ECO342H1/
ECO362H1/ECO364H1/ECO365H1/ECO368H1/
EUR200Y1/GGR314H1/GGR326H1/
GGR329H1/GGR439H1/JHA384H1/JPA376H1/
LAS200H1/LAS201H1/NMC378H1/
POL300H1/POL302Y1/POL312Y1/POL323Y1/
POL324H1/POL326Y1/POL329H1/POL330Y1/
POL340Y1/POL361H1/POL362H1/POL371H1/
POL372H1/POL377H1/POL380H1/POL384H1

Year 4 (0.5 FCEs)

TRN409H1/TRN410H1

Note: Those students choosing to add a Focus should be guided in their selection of courses at the third and fourth year level by the courses listed in the specific Focus group they choose.

Focus in Canadian Foreign & Security Relations (Major) - ASFOC1469A

Enrolment Requirements:

Enrolment in the International Relations Major is required for entry into the Focus.

Enrolment in this Focus is recommended after second year to guide choice of courses in the higher years. Please note normal course prerequisites will apply to all courses in the Focus.

Completion Requirements:

Note: this Focus requires completion of 0.5 FCE or more in addition to the 7.5 FCE required for the International Relations Major.

(2.5 FCE)

1. HIS311Y1 (Introduction to Canadian International Relations)
2. 1.5 FCE chosen from the following list:
HIS312H1 (Immigration to Canada), POL312Y1 (Canadian Foreign Policy), HIS402H1 (Canada and Decolonization), HIS405Y1 (Canadian Foreign Relations), HIS429H1 (Canada and Empire in the Twentieth Century), HIS430H1 (Canadians and the World Wars), POL467H1 (The Politics of Immigration & Multiculturalism in Canada), TRN409H1 (Canadian Defense Policy since the end of the Cold War), TRN409H1 (Nuclear Weapons and International Politics), TRN410H1 (Researching Critical Cases in Contemporary International Relations), TRN419Y1 (Comparative American, British and Canadian Foreign Policy), VIC476H1 (Capstone Seminar in Foreign Policy)

Notes:

- Focus courses meet the basic IRP inclusion standard of substantially and directly addressing relations between and among countries at the state or society level.
- Students can request substitutions from the IRP Director
- Not all courses may be available at all times without scheduling conflicts.

Focus in International Law & Human Rights (Major) - ASFOC1469D

Enrolment Requirements:

Enrolment in the International Relations Major is required for entry into the Focus.

Enrolment in this Focus is recommended after second year to guide choice of courses in the higher years. Please note normal course prerequisites will apply to all courses in the Focus.

Completion Requirements:

Note: this Focus requires completion of 0.5 FCE or more in addition to the 7.5 FCE required for the International Relations Major.

(2.5 FCEs)

1. POL340Y1 (International Law)
2. 1.5 FCE chosen from the following list:
ECO320H1 (Law and Economics), HIS338H1 (The Holocaust to 1942), HIS361H1 (The Holocaust from 1942), HIS397H1 (Political Violence and Human Rights in Latin America), POL323Y1 (Might and Right among Nations), POL324H1 (Politics of the European Union), GGR419H1 (Environmental Justice), HIS411H1 (Great Trials in History), HIS465Y1 (Gender and International Relations), HIS470H1 (History, Rights and Differences in South Asia), HIS487H1 (Animal and Human Rights in Anglo-American Culture), HIS493H1 (Humanity in War: The Modern Evolution of the Law of Armed Conflict), POL412H1 (Human Rights and International Relations), POL456Y1 (The G8, G20 and Global Governance), POL457Y1 (Markets, Justice and the Human Good), POL469H1 (Ethics in International Politics), TRN421Y1 (Fragile and Conflict-Affected States in Global Politics)

Notes:

- Focus courses meet the basic IRP inclusion standard of substantially and directly addressing relations between and among countries at the state or society level.
- Students can request substitutions from the IRP Director
- Not all courses may be available at all times without scheduling conflicts.

Focus in Transnational Exchanges (Major) - ASFOC1469F

Enrolment Requirements:

Enrolment in the International Relations Major is required for entry into the Focus.

Enrolment in this Focus is recommended after second year to guide choice of courses in the higher years. Please note normal course prerequisites will apply to all courses in the Focus.

Completion Requirements:

Note: depending on course selection, this Focus may require the completion of extra half-courses in addition to the 7.5 FCE required for the International Relations Major.

2.5 FCE from the following list:

ECO365H1 (International Monetary Economics), ECO368H1 (Economics of Conflict), HIS324H1 (British Imperial Experience), HIS341Y1 (Germany's Global Empire), HIS359H1 (Regional Politics and Radical Movements (Caribbean)), HIS415Y1 (Nationalism and Memory in Modern Europe), HIS439H1 (Russia's Empire), HIS494H1 (Gandhi's Global Conversations), JHA394H1 (The Asia Pacific War), POL371H1 (The Spatial Construction of the Political Economy), POL372H1 (Political Economy of Germany and the EU), POL409H1 (Political Economy of Technology), POL456Y1 (The G8, G20, and Global Governance), POL445H1 (Politics of Growth in Developing Countries), POL472H1 (The Comparative Political Economy of Industrial Societies), TRN409H1 (Nuclear Weapons and International Politics), TRN410H1 (Research Critical Cases in Contemporary International Relations)

Notes:

- Focus courses meet the basic IRP inclusion standard of substantially and directly addressing relations between and among countries at the state or society level.
- Students can request substitutions from the IRP Director
- Not all courses may be available at all times without scheduling conflicts.

Trinity College Courses

Listed in this order:

- Trinity One;
- Ethics, Society, and Law;
- Independent Studies;
- International Relations;
- Other

First Year Foundations (FYF)

The FYF seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than thirty students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study.

Trinity One Courses

Students participating in other Foundational Year programs (e.g., Vic One, Munk One) are excluded from Trinity One.

TRN191H1 - Disaster and Terrorism: Religion and Ethics at Ground Zero

Hours: 24S

In response to contemporary terrorist attacks and natural disasters, many are led to cry, "The world will never be the same!" How should such statements be evaluated? What impact do they have on social and political life? This course explores religious and cultural responses to human tragedy and cultural shock. Discussion will attend to debates over the meaning of suffering, public reactions to terrorism, the traumas of natural disasters, and the role of media in covering such events. These themes are engaged from the perspectives of ethics, cultural theory, religious studies, and theology. The course focuses on popular responses to events that include: the Lisbon Earthquake of 1755, the First World War, the Holocaust, Hurricane Katrina, the Japanese experiences of Hiroshima and Fukushima, 9/11, and more recent examples of terrorism and disaster. Attention will be given to concerns such as the impact of trauma on social and political debate, the function of religious discourse in the face of tragedy, the nature of ideology, and the relationship between religion and violence. A thematic concern throughout the course will be the nature of ethical commitment in the midst of confusion and social disruption. Restricted to first-year students. Not available for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

TRN192H1 - Public Health in Canada: Health for the 21st Century

Hours: 24L

This course deals with preventive care and population health. It will also move into new areas like healthcare and the environment (climate change) and the greening of healthcare. It will look at health as an extension of democracy – of how health extends individual rights beyond the political realm to the social realm, of how it can build social capital and knit populations together. It will look at areas inimical to health, 'detrimental to health' and how economic inequality can lead to health inequality. Along with this it will look at ways of empowering the individual, the public as agent and a role of public engagement by major institutions. It will also push beyond the popular determinants of health to engage students in a paradigm on next steps, the future challenges in population health. Restricted to newly admitted first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

TRN193H1 - Canadian Health Policy: Past, Present and Future

Hours: 24L

This is a health systems course. It deals with illness care, individual health, and health insurance. It will take a comparative and historical approach. We will look at the genesis of Canadian healthcare, our benefits and those other countries provide (e.g., pharmacare, dental care). We will look at indirect contributors like childcare and basic income. We will examine the public-private debate. We will also take some novel approaches. One is that the university has an expanded role in the 21st century, one that involves public outreach, a role that includes healthcare. Recent academic literature on healthcare notes that it is nation-building. We will look at why. We will examine some cutting-edge ideas, like integrated care, the learning health system, the concept of customer-owners. We will explore whether our healthcare system needs to be anchored by 'institutions of excellence' and identify these. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

TRN194H1 - Literature and Wicked Problems

Hours: 24L

This course explores contemporary literature in relation to the interdisciplinary framework of "wicked problems." Research emphasizes that complex, entrenched problems, like government relations with Indigenous peoples or human impacts on the climate, involve interconnected systems and require approaches that cross disciplines and types of knowledge. The course examines the role of literary works (mostly 21st-century fiction) in addressing these issues of pressing concern to students as global citizens. Critical thinking, scholarly reading and database research are foundational skills that this course strengthens in order to prepare students for their writing in disciplines across the university. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

TRN195H1 - The Literature of Heroes and Horrors

Hours: 24L

This course explores contemporary literary works that redefine heroism in light of personal and cultural trauma. What does recent literature (mostly 21st-century fiction) show us about the nature of heroism in our time? To answer this question, the course examines theories of psychological trauma, studies in the field of positive psychology, and research on gothic and dystopian literature. Critical thinking, scholarly reading and database research are foundational skills that the course strengthens in order to prepare students for their writing in disciplines across the university. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

TRN196H1 - Boethius's Consolation of Philosophy

Hours: 24L

Anicius Manlius Severinus Boethius (died 524) was the greatest scholar and statesman of Rome after its conquest by the barbarian Ostrogoths. When he was unjustly sentenced to death for treason, he wrote one of the great classics of Western literature, *The Consolation of Philosophy*. C. S. Lewis remarked of the work that "until about two hundred years ago it would, I think, have been hard to find an educated man in any European country who did not love it." Boethius confronts the most intractable questions of suffering humanity: Why do bad things happen to good people? What is the point of living a virtuous life? Do we really have free will, or is choice an illusion? In this seminar, we will learn about Boethius's world and his philosophical sources, and we will analyse the argument he offers in the *Consolation*. We will then see how Boethius's ideas are discussed by modern scholars and consider the relevance of Boethius's ideas to modern life. A highlight of the term will be a visit to the Fisher Rare Book Library to look at manuscripts and early printed books. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

TRN197H1 - In the Shadow of the Vikings: Depictions of the Early Norse in Medieval, Modern, and Post-Modern Culture

Hours: 24L

Although rarely attested during the historical era when they were active, since the early nineteenth century the word "Viking" has been popularly applied to describe groups of Scandinavian adventurers who marauded along the frontiers of Medieval Europe: in this respect, the image of "the Viking" may be regarded as much a modern, as it is a medieval, creation. The legacy of historical "Viking activities" was a factor in the development of modern nation states in Scandinavia and the Baltic region, and their contributions to the heritage of people residing in Britain, continental Europe, the Middle East, and even the Atlantic coast of Canada have been and continue to be cited to the present day. Aspects of culture attributed to "the Vikings"—their assumed independence, courage, resourcefulness, and tenacity in the face of adversity, as well as the occult characteristics of their cosmology—have, for better and worse, inspired modern artists, writers, composers, intellectuals, explorers and even political leaders, and persist in present day literature, art, music, sport and popular culture as well. Why and how do elements of historic Viking culture continue to evoke traditions and characteristics popularly attributed to "the Vikings"? What are some implications of "Viking-ness" for those people in the post-Viking Age past and/or present who we may regard—or may regard themselves—as the "cultural descendants" of the Vikings? In this seminar, participants will study selected cultural artifacts of the "post-Viking Age," along with recent multidisciplinary research, to observe how various "post-Viking Age" cultures and subcultures have selectively appropriated elements of the "Viking" past.

Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

TRN198H1 - The Viking Phenomenon: Commerce, Conflict, and Communication along Europe's Frontiers, 7th – 15th Century

Hours: 24L

Perspectives on the impact that the Scandinavian raiders and traders popularly referred to as "Vikings" had on European and World history continue to develop as the work of historians, archaeologists, linguists, and scientists expands our understanding of the past. Recent research has revised the traditional view of the "Vikings" as primarily marauding warriors; in its place, a more complex and nuanced conception of the implications that "Viking activity" had on the social, economic, and political development of the peoples with whom they came in contact has emerged. This seminar will consider the relationship between the traditional conception of the "Viking warrior" and recent research that suggests the broader impact that the "Viking Phenomenon" had upon the economic revival and sociopolitical development of medieval Europe and its frontiers. In the course of the seminar, we will examine a selection of historical records and information concerning artifacts of the material culture of "The Viking Age" in order to better understand the activities of early medieval "Vikings," not only as warriors, but also as agents of commerce, explorers, pioneers, and rulers. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

TRN199H1 - Classical Social and Political Thought from the 18th Century Enlightenment to the 20th Century

Hours: 24L

In the first part of the course, via lectures and readings, we will be examining the Enlightenment, the French and Industrial Revolutions, and the Romantic Conservative Reaction to these revolutions. In part two of the course, we will study Karl Marx, who coined the term "capitalism" to describe the new type of society that had emerged as a product of the Industrial Revolution. Marx, as the severest critic of the capitalist system, called attention to its alienating character. In the 19th Century, his ideas provoked a response that accounts, in large measure, for the character of Western political thought. The discussion of Marx is therefore followed by the intense debate with his "ghost," the Marxian legacy. We will engage with the participants in the debate -- Weber, Pareto, Mosca, Michels, Durkheim, and Mannheim. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

Trinity One

TRN125Y1 - Contemporary Issues in Health Science

Hours: 48S

Can the immune system be strengthened? Are some diseases incurable? What is the best way to stop the spread of a virus? This course examines the scientific principles underlying contemporary issues in the science of human health with the goal of exposing students to the current state of biomedical research. We will develop three distinct types of understanding that are essential to literacy about the science of human health: the basic concepts in science; the nature of scientific research; and the rules that govern how scientists do their work. This course will explore topics such as stem cells, gene editing, regenerative medicine, vaccination, drug development, and personalized medicine. Restricted to first-year students. Not eligible for CR/NCR.

Exclusion: Innis One, Munk One, New One, SMC One, UC One, Vic One, Woodsworth One

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4); Society and its Institutions (3)

TRN136Y1 - Canadian Health Policy in the Global Context

Hours: 48S

In this course we consider when our health policies support the highest standards of medical care, consistent with the latest discoveries in medical research. We examine the ways in which debates around ethics, effectiveness and efficiency shape global and national health policy. We begin by exploring the most important advancements in global health policy over the past two decades. We then assess Canada's experience in providing health care, identifying lessons for national policy reform and for Canada's role as a leader in global health research and policy. We explore a range of health challenges including universal health care, anti-microbial drug resistance, HIV AIDS, tuberculosis, reproductive, maternal, newborn and child health, cardiovascular care, oncology, environmental health, indigenous health, violence against women and mental health. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Trinity One

Corequisite: TRN135Y1

Exclusion: TRN235H1, TRN236H1, Innis One, Munk One, New One, SMC One, UC One, Vic One, Woodsworth One

Distribution Requirements: Science; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2); Society and its Institutions (3)

TRN140Y1 - Ethics, Humans, and Nature

Hours: 48S

This course introduces students to ethical issues arising from the way humans interact with nature. Students will study some theoretical approaches for evaluating how human society affects the planet, ecosystems, and the other animals. Theories will be drawn from philosophy, theology, and ecology, and will include Western and non-Western approaches to living in harmony with one's environment. Key themes may include speciesism – the idea that human needs are the most important – as well as overpopulation, extinction, vegetarianism, and responsible resource management. The course will also look at how social policy shapes human choices and whether sustainability initiatives should be pursued through the public or private sector. The course will also discuss the spiritual connection between humans and the environment and how society can be organized to promote access to nature in urban communities. Restricted to first-year students. Not eligible for CR/NCR.

Corequisite: TRN141Y1

Exclusion: Innis One, Munk One, New One, SMC One, UC One, Vic One, Woodsworth One

Breadth Requirements: Thought, Belief and Behaviour (2); Society and its Institutions (3)

TRN135Y1 - Science and Social Choice

Hours: 48S

Many of the decisions we make as a society rely on advances in scientific knowledge. In this course, we will discuss a number of contemporary medical topics that involve complex scientific discoveries about health, the human body, disease, and infection. We will consider genes and study the medical implications of our growing understanding of the human genome. We will study a number of recent cases in order to explore how scientific findings influence decision-making in hospitals and the selection of social policies. We will also discuss the background forces that shape medical research and how this affects the kinds of health problems that are prioritized. The objective of this course is to develop a solid understanding of biological concepts related to human health and consider them in their wider social and ethical contexts. Restricted to first-year students. Not eligible for CR/NCR.

Exclusion: Innis One, Munk One, New One, SMC One, UC One, Vic One, Woodsworth One

Distribution Requirements: Science; Social Science

Breadth Requirements: Living Things and Their Environment (4); Society and its Institutions (3)

TRN141Y1 - Environmental Science and Pathways to Sustainability

Hours: 48S

This course introduces students to fundamental issues in environmental science with a multi-disciplinary focus on human impacts on physical and biological systems, and on identifying pathways to sustainability. Key themes will include energy and resources, climate change, land use, contaminants and protecting biodiversity in the context of the Anthropocene. The course challenges students to apply the scientific method to environmental monitoring, research and problem solving through project design, data collection and analysis. The course also emphasizes information literacy, skills to distinguish science from pseudo-science, and considerations around representation of environmental science in the media. Restricted to first-year students. Not eligible for CR/NCR.

Corequisite: TRN140Y1

Exclusion: Innis One, Munk One, New One, SMC One, UC One, Vic One, Woodsworth One

Breadth Requirements: Living Things and Their Environment (4); The Physical and Mathematical Universes (5)

TRN151Y1 - Global Governance

Hours: 48S

Terrorism, the proliferation of arms (including weapons of mass destruction), environmental degradation, globalization, technological change, and the rise of non-state actors all pose challenges to statecraft and the management of global order. This seminar course explores the changing dynamics of global politics and the responses to them by states (and others). Topics will include an examination of new forms of international collaboration that have developed in the wake of crises in the years following the Second World War. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: Admission to Trinity One

Exclusion: Innis One, Munk One, New One, St. Mike's One, Vic One, UC One, Woodsworth One

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2); Society and its Institutions (3)

TRN152Y1 - Justice & Global Conflict

Hours: 48S

Modern states face both new and familiar challenges to protecting national security. National insecurity threatens a country's capacity to protect the well-being of its citizens while at the same time participating in international organizations and treaties. This course explores the origins and management of international conflict from the 17th to the 21st century, focusing on the precursors to war and the markers of peace. We will also consider the ways in which our current global world order promotes and preserves justice between and within nations. Students will consider different theoretical approaches to justice between nations, and apply them to recent security issues. By studying the history of conflict and the difference between justice and injustice students will gain a deeper understanding of how current geopolitical actors can structure and affect the prospects for security policy reform moving forward. Restricted to first-year students. Not eligible for CR/NCR.

Corequisite: Admission to Trinity One

Exclusion: Innis One, Munk One, New One, SMC One, UC One, Vic One, Woodsworth One

Breadth Requirements: Thought, Belief and Behaviour (2); Society and its Institutions (3)

TRN150Y1 - National versus International

Hours: 48S

The international system today faces extraordinary challenges. Understanding these challenges requires understanding the past. This seminar course briefly reviews the origins and development of the international system from the 17th century through the age of empires and the great wars of the 20th century. It then concentrates on the clash of nationalism with internationalism in the world since 1945, looking at such issues as what drives nationalism and what alternatives there are to it. We will study ideas and ideologies as well as the institutions that make up the current geopolitical world. Restricted to first-year students. Not eligible for CR/NCR.

Corequisite: Admission to Trinity One

Exclusion: Innis One, Munk One, New One, St. Mike's One, Vic One, UC One, Woodsworth One

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2); Society and its Institutions (3)

TRN160Y1 - Public Policy and the Public Good

Hours: 48S

What is public policy? Is there such a thing as the public good? This seminar course examines the notion of the “public” through investigating possible answers to a central political question: what is the purpose of government? Drawing on readings in philosophy and political theory, the course considers a variety of approaches to interpreting the nature of the public good and asks how policy makers should respond when competing goods (e.g., freedom and security) clash with each other. The course involves discussion of contemporary issues in public policy. Restricted to newly admitted first-year students. Not eligible for CR/NCR.

Prerequisite: Admission to Trinity One

Exclusion: Innis One, Munk One, New One, SMC One, UC One, Vic One, Woodsworth One

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3); Thought, Belief and Behaviour (2)

TRN162Y1 - Political Economy and Social Inequality

Hours: 48S

What is the relationship between capitalism and democracy? How can studying rational choice theory inform public policy? This course will introduce students to the methods of studying the interplay between economics and political goals. We will focus on specific topics to guide our quantitative analysis, which may include intergenerational poverty, the transfer of wealth, efficiency, and social stratification. Students will learn how to situate a society’s economic institutions within their broader political context, and study how economic outcomes interact with broader policies relating to, for example, health, equality, social mobility, and well-being. We will analyse empirical results while developing critical skills for interpreting economic data and research. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: Admission to Trinity One

Corequisite: TRN160Y1

Exclusion: Innis One, Munk One, New One, SMC One, UC One, Vic One, Woodsworth One

Breadth Requirements: Thought, Belief and Behaviour (2); Society and its Institutions (3)

TRN161Y1 - Making Public Policy Work

Hours: 48S

How do we know what kinds of public policy will work and what will not? How do we assess the effectiveness of a policy? An historical examination of ways in which Canadian governments have addressed a range of policy problems. Case studies of areas of federal and provincial activity today. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Trinity One

Exclusion: Innis One, Munk One, New One, SMC One, UC One, Vic One, Woodsworth One

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

TRN170Y1 - Ethics and the Creative Imagination

Hours: 48S

A seminar course that explores ethical issues through the study of works of the creative imagination that pose or provoke questions of right and wrong, good and evil, justice and injustice. The selected works will be drawn from such fields as literature, film, and the visual and performing arts. Open only to students admitted to Trinity One. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Trinity One

Exclusion: Innis One, Munk One, New One, St. Mike's One, Vic One, UC One, Woodsworth One

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Thought, Belief and Behaviour (2)

TRN171Y1 - Ethics and the Public Sphere

Hours: 48S

What does it mean to be morally required to do something? What rights do we have over ourselves, our bodies, our privacy, our choices? In this course, we will read texts from philosophy, history, political science, cultural studies and beyond that engage with the theme of ethics in the public arena. These will provide valuable analytic tools as we go on to confront contemporary issues that raise urgent ethical questions. Restricted to first-year students. Not eligible for CR/NCR.

Prerequisite: Admission to Trinity One

Exclusion: Innis One, Munk One, New One, St. Mike's One, Vic One, UC One, Woodsworth One

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3); Thought, Belief and Behaviour (2)

TRN172Y1 - Ethics and the Law

Hours: 48S

What is the relationship between moral values and the law? What role does the law play in enabling people to live better lives? Are legal institutions and actors subject to higher ethical standards? In this course we will read texts from legal theory and political philosophy to try to explain the connection between ethics and the law. This will provide the basis for thinking about some historical and contemporary legal cases, as well as ethical issues judges, lawyers, and lawmakers face in their professional roles. Restricted to first-year students. Not eligible for CR/NCR.

Corequisite: TRN171Y1

Exclusion: Innis One, Munk One, New One, St. Mike's One, Vic One, UC One, Woodsworth One

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2); Society and its Institutions (3)

TRN225Y1 - The Art of Health Science Discovery

Hours: 48S

Illustrated by contemporary examples, students go through the stages of the scientific discovery process. From initial idea, through literature review, funding (grant writing and assessment), experimental design and critical analysis of data through to the public dissemination of results by publication, the patent process and development of intellectual property.

Prerequisite: TRN125Y1

Distribution Requirements: Science

Breadth Requirements: Living Things and Their Environment (4); Society and its Institutions (3)

TRN235H1 - Health Policy in Canada: Past, Present and Future

Hours: 24S

This course explores the nature and impact of public health policy in Canada. The course describes the origins of Canadian health policy, its evolution towards its current form and the choices resulting from aging populations and the increasing costs associated with a high standard of health care.

Prerequisite: TRN135Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

TRN236H1 - The Politics of Global Health

Hours: 24S

This course explores the nature and impact of policy relationships designed to improve global public health. We explore the analytical tools necessary to study these institutional arrangements and examine successes and failures of these policy relationships across a range of global health policy challenges including infectious disease and child health.

Prerequisite: TRN135Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

Ethics, Society & Law

TRN203H1 - Society, its Limits and Possibilities

Hours: 24L/12T

Key texts from various disciplines that articulate fundamental features, limitations, and possibilities of contemporary society are introduced. Political consent, economics, governmental administration, the global / post-colonial world, historical transformation, gender politics, and media may be addressed.

Prerequisite: Active in ASMAJ1618

Exclusion: TRN321H1 taken in 2015 Fall

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

TRN204H1 - Introduction to Law and Legal Reasoning

Hours: 24L/12T

This course introduces students to legal reasoning through progressively complex exercises. First, hypotheticals expose students to basic skills required for legal reasoning. Second, they analyze simplified versions of specially selected concrete cases. Third, the course analyses real cases discussed in first year courses in law school.

Prerequisite: Active in ASMAJ1618

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

TRN304Y1 - Law and Social Issues

Hours: 48L

An exploration of the legal dimensions of selected contemporary social issues. Restricted to students in the major program Ethics, Society, and Law.

Prerequisite: Active in ASMAJ1618

Exclusion: TRN304H1

Recommended Preparation: PHL271H1, TRN204H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

TRN303H1 - Ethics and Society

Hours: 24S

An exploration of the ethical dimensions of selected contemporary social issues. Restricted to students in the major program Ethics, Society, and Law.

Prerequisite: TRN203H1 and active in ASMAJ1618

Recommended Preparation: PHL271H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

TRN305H1 - Basic Principles of Law

Hours: 24L

An exploration of some basic legal principles in public and private law. Areas of law that may be studied include contract, tort, criminal and administrative law. Restricted to students in the major program Ethics, Society, and Law.

Prerequisite: Active in ASMAJ1618. A student must be in third or fourth year.

Exclusion: TRN305Y1

Recommended Preparation: PHL271H1, TRN204H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

TRN304H1 - Law and Social Issues

Hours: 24L

An exploration of the legal dimensions of selected contemporary social issues. Restricted to students in the major program Ethics, Society, and Law.

Prerequisite: Active in ASMAJ1618

Exclusion: TRN304Y1

Recommended Preparation: PHL271H1, TRN204H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

TRN305Y1 - Basic Principles of Law

Hours: 48L

The nature and justification of legal rules as preparation for the study of basic principles of law governing the relations between individual citizens, and the relations between individual citizens and the state. A selection of contract, tort, criminal and administrative law. Restricted to students in the major program Ethics, Society, and Law.

Prerequisite: Active in ASMAJ1618 only if enrolling in the Fall/Winter session. A student must be in third or fourth year.

Exclusion: TRN305H1

Recommended Preparation: TRN204H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

TRN320H1 - Selected Topics in Ethics, Society, and Law

Hours: 24S

The course examines a selected topic in ethics, society, and law. The set of topics will be based on the research interests of an individual instructor. Both the topics and the instructor may change with each offering of the course, and the course is not expected to be offered every year.

Prerequisite: Enrolment in ASMAJ1618. A student must be in third or fourth year.

Recommended Preparation: PHL271H1, TRN203H1, TRN204H1
Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

TRN407Y1 - Community Research Partnerships in Ethics

Hours: TBA

Students undertake research projects designed to meet the knowledge needs of ethics-oriented organizations in the broader community.

Prerequisite: Students must be in the final year of registration in the Major Program in Ethics, Society, and Law and will normally have a CGPA of at least 3.70. Enrolment is by application. Consult the Arts & Science Registration Instructions and Timetable at <http://www.artsci.utoronto.ca/current/course> for course enrolment procedures.

Recommended Preparation: PHL271H1, TRN203H1, TRN204H1, TRN303H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

TRN321H1 - Selected Topics in Ethics, Society, and Law

Hours: 24S

The course examines a set of selected topics in ethics, society, and law. The topics will be based on the research interests of an individual instructor. Both the topics and the instructor may change with each offering of the course, and the course is not expected to be offered every year.

Prerequisite: Enrolment in ASMAJ1618. A student must be in third or fourth year.

Recommended Preparation: PHL271H1, TRN203H1, TRN204H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

TRN412H1 - Seminar in Ethics, Society, and Law

Hours: 24S

Capstone Seminar in Ethics, Society, and Law. Students must be in their final year of registration in the Major Program: Ethics, Society and Law. Consult the Arts & Science Registration Instructions and Timetable at <http://www.artsci.utoronto.ca/current/course> for course enrolment procedures.

Prerequisite: TRN303H1. Must be in final year of Major Program: Ethics, Society and Law.

Recommended Preparation: PHL271H1, TRN203H1, TRN204H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

TRN406H1 - Community Research Partnerships in Ethics

Hours: TBA

Students undertake research projects designed to meet the knowledge needs of ethics-oriented organizations in the broader community.

Prerequisite: Students must be in the final year of registration in the Major Program in Ethics, Society, and Law and will normally have a CGPA of at least 3.70. Enrolment is by application. Consult the Arts & Science Registration Instructions and Timetable at <http://www.artsci.utoronto.ca/current/course> for course enrolment procedures.

Recommended Preparation: PHL271H1, TRN203H1, TRN204H1, TRN303H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

TRN425Y1 - Law Workshops Course

Hours: TBA

Students attend workshops in the Faculty of Law, meet for related discussion and complete related assignments. Enrolment is restricted to qualified fourth-year students registered in the Major Program Ethics, Society, and Law.

Prerequisite: TRN303H1. Enrolment is by application. Consult the Arts & Science Registration Instructions and Timetable. Students must be in the final year of registration in the Major Program in Ethics, Society, and Law and will normally have strong performance in 300-level courses in Ethics, Society and Law.

Recommended Preparation: PHL271H1, TRN203H1, TRN204H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

Independent Studies

TRN299Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Prerequisite: Application through the Research Opportunity Program (ROP); selection by the instructor.

Distribution Requirements: Humanities

TRN400H1 - Trinity Independent Studies

Hours: TBA

Trinity Independent Studies. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

TRN300H1 - Trinity Independent Studies

Hours: TBA

Trinity Independent Studies. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

TRN404Y1 - Trinity Independent Studies

Hours: TBA

Trinity Independent Studies. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

TRN301Y1 - Trinity Independent Studies

Hours: TBA

Trinity Independent Studies. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

TRN405Y1 - Trinity Independent Studies

Hours: TBA

Trinity Independent Studies. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

International Relations

TRN302Y1 - Trinity Independent Studies

Hours: TBA

Trinity Independent Studies. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

TRN250Y1 - Ordering International Relations in the Age of Empire

Hours: 24L/48T

The course examines the origins and development of three fundamental norms in international relations (sovereignty; free trade; human rights) in their historical, imperial context.

Prerequisite: Admission to International Relations Major or Specialist program

Recommended Preparation: Prerequisite courses for entry into International Relations Major or Specialist Program

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3); Thought, Belief and Behaviour (2)

TRN399Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

TRN409H1 - Selected Topics in International Studies

Hours: TBA

Selected Topics in International Studies

Prerequisite: Enrolment in the International Relations program or in a History or Political Science major or specialist program

Exclusion: TRN409Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

TRN411Y1 - Selected Topics in International Studies

Hours: TBA

Selected Topics in International Studies

Prerequisite: Enrolment in the International Relations program or in a History major or specialist program, or permission of instructor

Distribution Requirements: Humanities

TRN409Y1 - Selected Topics in International Studies

Hours: TBA

Selected Topics in International Studies

Prerequisite: Enrolment in the International Relations program or in a History or Political Science major or specialist program

Exclusion: TRN409H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

TRN419Y1 - Comparative American, British and Canadian Foreign Policy

Hours: 48S

The origins and evolution of American, British and Canadian foreign policy from the late 18th century to the present. Policies are compared in order to understand the development of these countries as nations and actors in the international community.

Prerequisite: Students must have a background in one of Canadian, British or American history.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

TRN410H1 - Researching Critical Cases in Contemporary International Relations

Hours: TBA

This course allows students with majors in International Relations to apply some of the techniques and skills they have developed during their undergraduate careers to an original research project in contemporary international relations history. This course is a chronological historical survey of the world since 1968, as the origin of the present era. Within the chronology, attention is given to major developments/themes that emerged and continue to affect the present day. These include: the rise of China as a power, political dissent, the emergence of terrorism, the environment, energy as major international issues, the neo-liberal economic turn, globalization, the end of the Cold War, the human rights/humanitarian intervention revolution, and key post 2000 developments such as the War on Terror, the decline of the US “unipolar moment,” the 2008 financial crisis and the return in the 2010s of nationalism and protectionism.

Prerequisite: Enrolment in the International Relations major program.

Corequisite: None

Exclusion: TRN410Y1

Recommended Preparation: TRN250Y1, POL208Y1 or HIS344H1 are recommended as preparation or taken concurrently.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

TRN421Y1 - Fragile and Conflict-Affected States in Global Politics

Hours: 48S

Since the end of the Cold War, fragile and conflict-affected states have been widely viewed in the international relations field as one of the preeminent challenges to international security and global governance. Western countries have typically responded to this challenge by launching interventions aimed at building new states that can be integrated into the global, liberal order. This course will dissect the liberal peacebuilding and statebuilding project and explore its broader impact and implications for the international system.

Recommended Preparation: POL300Y1 or POL343Y1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

Other Trinity College Courses

TRN200Y1 - Modes of Reasoning

Previous Course Number: TRN200H1

Hours: 24L/24S

First term: students are taught how to recognize, analyze, evaluate, and construct arguments in ordinary English prose. Second term: one or more discipline-related modes of reasoning (e.g., scientific reasoning, ethical reasoning, legal reasoning) studied with reference to a selection of contemporary social issues.

Exclusion: PHL247H1/ PHI247H1/ TRN200H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

TRN307H1 - International Experience I

Hours: TBA

A one semester research experience abroad. Students participate in a research project under the mentorship of a faculty supervisor in the host institution and gain experience of working and living abroad.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

TRN308H1 - International Experience II

Hours: TBA

Students who have engaged in a research project abroad participate in a regular forum in which they present their research projects and discuss their varied experiences of work and social engagement in different foreign environments. Students prepare a detailed scholarly article based on their research.

Prerequisite: TRN307H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

TRN377Y1 - Trinity Comprehensive Paper I

Hours: TBA

Students are individually mentored by faculty experts through readings from primary literature towards preparation of a quality review article. For students in third year, students identify their faculty mentor during second year and agree to become familiar with the available textbook level material during that year in their chosen topic. Not eligible for CR/NCR option.

Prerequisite: minimum of 8.0 FCEs completed and by permission of the instructor

Distribution Requirements: Humanities; Science; Social Science

TRN477H1 - Trinity Comprehensive Paper II

Hours: TBA

The preparation of a publication quality review article typically involves extensive editing. Students are individually mentored by faculty experts to take the review paper generated in TRN377Y1 and edit the structure, content and style to produce a publication quality review article. Not eligible for CR/NCR option.

Prerequisite: TRN377Y1

Distribution Requirements: Humanities; Science; Social Science

TRN478H1 - Science Writing for Non-Scientific Audiences

Hours: TBA

The course aims to train senior-level science students in a wide range of writing genres, focusing on a diversity of non-scientific audiences and writing styles. In addition, students learn to read and analyze texts in order to understand rhetorical strategies and devices.

Prerequisite: Students in science specialist or major programs. Permission by instructor.

Exclusion: Non-science students, first or second year students.

Recommended Preparation: TRN377Y1 (the comprehensive paper will serve as writing sample).

Distribution Requirements: Humanities

Breadth Requirements: Living Things and Their Environment (4)

University College

Faculty List

Associate Professors, Research

E. Gilbert, MA, Ph.D. (Canadian Studies)
L. Mar, Ph.D (Canadian Studies)

Associate Professors, Teaching

J. Plotnick, MA, MSc (Writing Workshop)

Assistant Professor, Research

Y. Xu, Ph.D (Cognitive Science)

Assistant Professors, Teaching

J. John, BA, Ph.D. (Cognitive Science)
S. Rayter, MA, Ph.D. (Sexual Diversity Studies)
J. Vervaeke, MA, Ph.D (Cognitive Science)

Assistant Professor (Part-Time)

TBA

Senior Lecturer

R. Salutin, MA (Canadian Studies)

Lecturer

Dai Kojima, MA, Ph.D. (Sexual Diversity Studies)

Introduction

University College offers a number of programs and courses outside the areas traditionally covered by departments. These include UC One and programs and courses in Canadian Studies, Cognitive Science, Drama, Health Studies, and Sexual Diversity Studies, in addition to First-Year Foundation Seminars. The overall aims of the College Programs are to foster interdisciplinary work in significant areas of study and to encourage intellectual breadth. Many program courses are open to students not enrolled in the programs themselves.

UC One: Engaging Toronto

UC One is an exciting initiative that provides first-year students with a special university experience. Students choose from one of four courses, each of which is designed to engage with the city from a different perspective. Classroom learning is directly linked to real life experience.

UC One is a half-credit course, one of four courses typically taken by a first-year Faculty of Arts and Science student. Enrolment in each course is limited to 25 students. Students enrol in one of the following four half year courses:

- UNI101H1: Citizenship in the Canadian City
- UNI102H1 / UNI106H1: Performing the City I / Performing the City II
- UNI103H1: Gradients of Health in an Urban Mosaic
- UNI104H1: Sex in the City

In UC One, you can choose a stream that complements your own interests.

Weekly lectures and seminars will be supplemented with prominent guest speakers, including political and business leaders, activists from non-governmental organizations, theatre directors, artists, and

health practitioners. Students will have the opportunity to meet with the speakers and socialize with their fellow students after each guest lecture. Students will also participate in a range of field trips across the city.

Students enrol to the specific section during the Enrolment period. All first-year students in the Faculty of Arts and Science (St. George campus) are eligible to enrol. Those participating in other One programs are excluded from UC One.

For more information visit the UC One website at:
www.uc.utoronto.ca/ucone.

The Canadian Studies Program (Specialist, Major, Minor)

The Canadian Studies program offers opportunities to study contemporary Canada in an interdisciplinary manner and to explore cultural, social, economical and political developments in this complex and diverse country. Students are encouraged to consider additional courses in Aboriginal Studies in completing the requirements of the Program.

The Cognitive Science Program (Major)

The Cognitive Science Program introduces students to the field of cognitive science: the interdisciplinary study of mind in humans and machines. Our students gain an understanding of such mental phenomena as perception, language, reasoning, and consciousness, and they integrate this understanding with an account of how the human brain works.

The Cognitive Science Arts Major has three course streams: Perception and Attention; Thinking and Reasoning; and Language and Cognition. The Cognitive Science Science Major has two streams: Computational Cognition and Cognition and the Brain. Courses include: COG250Y1 Introduction to Cognitive Science; COG341H1 and COG342H1 Issues in Cognitive Science; COG401H1 and COG402H1 Seminar in Cognitive Science; COG498H1/COG499H1 Independent Study; as well as courses drawn from offerings in Computer Science, Linguistics, Philosophy, and Psychology.

The Centre for Drama, Theatre & Performance Studies (Specialist, Major, Minor)

The Centre for Drama, Theatre & Performance Studies is described elsewhere in this Calendar under Drama.

The Health Studies Program (Specialist, Major)

The Health Studies Program focuses on many areas of study that surround, interact with and support bio-medical research and clinical activity in regard to health, including health policy, practices, research methods, and socio-cultural expression. The Major serves as a general introduction; the Specialist provides a more intense research focus with more methodological emphasis.

The Sexual Diversity Studies Program (Specialist, Major, Minor)

The Sexual Diversity Studies Program allows students to focus on questions of sexual identity, difference, and dissidence across disciplinary lines and cultural frameworks. By examining sexual diversity across time and place, students will learn about the ways different cultures have separated the sexual from the nonsexual, the normal from the abnormal, and what the regulation of sexuality can tell us about how power operates along the lines of gender and race, for example. Students will gain an understanding of how and why certain sexual practices have come under scrutiny, and the

significance of the various labels and identities that we have attached to them.

University College (UNI) and Drama (DRM) courses are staffed by a combination of specific program staff members and members of various University departments, and are open to all students at the University. Further information on University College Independent Study courses is available at <http://www.uc.utoronto.ca/independent-study>. Further information on DRM is available at <https://www.cdtps.utoronto.ca/>.

Enquiries: Office of the CAO, University College, Room UC H012 (416-946-4025). Drama Centre (416-978-8099). Sexual Diversity Studies (416-978-6276)

University College Programs

Canadian Studies Specialist (Arts Program) - ASSPE0728

Description:

Canadian Studies courses offer opportunities to study contemporary Canada in an interdisciplinary manner to explore cultural, social, economic, and political developments in this complex and diverse country. Students are encouraged to consider additional courses in Indigenous Studies in completing the Program requirements.

Enrolment Requirements:

Completion of four FCEs are required for enrolment in the Canadian Studies Specialist or Major program; no minimum GPA required. Students are responsible for checking co- and prerequisites for all courses. Please note that not all course are offered on an annual basis. A list of approved Canadian Studies courses can be found on the website at www.uc.utoronto.ca/canadianstudies/. Other courses that are in the current academic Calendar that include significant Canadian content may be considered for approval by the Canadian Studies Program Director. Consult the Canadian Studies Program Office, UC173, University College, 416-946-4025. Email: canadian.studies@utoronto.ca.

Completion Requirements:

(11 full courses or their equivalent in Canadian Studies approved courses including at least 4 FCEs at the 300+ level, 1 FCE of which must be at the 400 level.)

First Year: No specific first-year requirements. (Students are advised to take introductory courses that will serve as prerequisites for optional courses of interest taken later in the program.)

1. ([CDN267H1](#), [CDN268H1](#)), 1.0 FCE of the following: [FAH248H1](#)/[DRM268H1](#)/[ENG215H1](#)/[ENG252H1](#)/[ENG254H1](#)/[FOR200H1](#)/[FRE210H1](#)/[GGR240H1](#)/[GGR246H1](#)/[HIS262H1](#)/[HIS264H1](#)/[INS201H1](#)/[INS210H1](#)/[INS220H1](#)/[INS231H1](#)/[LIN201H1](#)/[POL214Y1](#)/[POL224Y1](#)/[SLA238H1](#)/[SOC218H1](#)/[SOC220H1](#)/[TRN235H1](#)

2. ([CDN367H1](#), [CDN368H1](#))

3. 0.5 FCE of any one of the following: [CDN307H1](#)/[CDN335H1](#)/[CDN380H1](#)/[CDN390H1](#)/[JSU325H1](#)

4. [CDN420Y1](#)/[CDN435Y1](#) or another fourth-year Canadian Studies course approved by the Program Director.

5. Students will take another 6.5 FCEs offered by the Canadian Studies Program, or from the list of courses approved by the Canadian Studies program (see: www.uc.utoronto.ca/canadianstudies). Suitable courses not on the list may be considered for approval by the Program Director.

Health Studies Specialist (Arts Program) - ASSPE2085

Description:

The Health Studies Program explores how health around the world is shaped by the circumstances in which people are born, grow up, live, work, and age, and how these in turn connect to a wider set of environmental, social, cultural, economic, and political forces. Understanding health requires knowledge from a range of disciplines and sectors: Health Studies offers a stimulating interdisciplinary environment that challenges students to think about health – both locally and globally – in new ways.

Enrolment Requirements:

This is a Type 2L limited enrolment program that can only accommodate a certain number of students. Consult the Arts & Science Program Enrolment website for application procedures.

Applying with fewer than 8 FCEs completed requires:

- Completion of at least 4.0 FCEs
- Obtaining 77% or higher in at least 1.0 FCE of the following courses: [ANT100Y1](#)/[BIO130H1](#)/[GGR107H1](#)/[HPS100H1](#)/[HPS110H1](#)/[HPS120H1](#)/[PCL102H1](#)/[PHS100H1](#)/[PHL100Y1](#)/[PHL101Y1](#)/[POL101Y1](#)/[PSY100H1](#)/[SOC100H1](#)/[TRN135Y1](#)/[UNI103H1](#)/[UNI103Y1](#)/[WGS160Y1](#).

Applying with 8 FCEs or more completed requires:

- Obtaining 77% or higher in at least 1.5 FCE of the following courses: [ANT100Y1](#)/[BIO130H1](#)/[GGR107H1](#)/[HPS100H1](#)/[HPS110H1](#)/[HPS120H1](#)/[HST209H1](#)/[HST211H1](#)/[HST250H1](#)/[PCL102H1](#)/[PHL100Y1](#)/[PHL101Y1](#)/[PHS100H1](#)/[POL101Y1](#)/[PSY100H1](#)/[SOC100H1](#)/[TRN135Y1](#)/[UNI103H1](#)/[UNI103Y1](#)/[WGS160Y1](#).

Note that the actual grades required for admittance may be higher than the requirement, depending on the current capacity of the program and the pool of applicants.

Completion Requirements:

(12.0 FCEs, including at least 2.0 FCE at the 400 level.)

1. 1.0 FCE of the following courses: [ANT100Y1](#)/[BIO130H1](#)/[GGR107H1](#)/[HPS100H1](#)/[HPS110H1](#)/[HPS120H1](#)/[PCL102H1](#)/[PHS100H1](#)/[PHL100Y1](#)/[PHL101Y1](#)/

- POL101Y1/ PSY100H1/ SOC100H1/ TRN135Y1/
UNI103H1/ UNI103Y1/ WGS160Y1
2. HST209H1, HST211H1, and HST250H1
 3. PHL281H1 or INS200H1
 4. STA220H1 or equivalent
 5. 1.0 FCE of the following courses: ANT208H1/ HMB202H1/
HMB203H1/ INS205H1/ JSU237H1/ NFS284H1/
PHL281H1/ SOC204H1/ SOC243H1/ STA221H1/
TRN235H1/ TRN236H1
 6. HST310H1
 7. HST373H1/ HMB342H1
 8. HST350H1
 9. 2.0 FCE of the following courses: HST307H1/ HST308H1/
HST309H1/ HST330H1/ HST350Y1/ ANT345H1/
ANT348H1/ ANT358H1/ GGR340H1/ HPS319H1/
HMB303H1/ HMB323H1/ INS340Y1/ INS350H1/
PHL380H1/ PHL381H1/ PHL383H1/ PHS300H1/
SOC309H1/ SOC316H1/ SOC363H1/ SOC364H1/
WGS367H1
 10. HST450Y1
 11. 1.0 FCE of the following courses: HST405H1/ HST408H1/
HST409H1/ HST410H1/ HST411H1/ HST440H1/
HST451Y1/ HST464H1/ HST480H1
 12. The remaining 2.0 FCEs can include any courses not previously taken from the lists above, or any of the following: ANT460H1/ ENV430H1/ JFP450H1/
HMB406H1/ HMB433H1/ HMB462H1/ HST400Y1/
IRE378H1/ NEW344Y1/ SOC412H1/ SOC488H1

Canadian Studies Minor (Arts Program) - ASMIN0728

Description:

Canadian Studies courses offer opportunities to study contemporary Canada in an interdisciplinary manner to explore cultural, social, economic, and political developments in this complex and diverse country. Students are encouraged to consider additional courses in Indigenous Studies in completing the Program requirements.

Enrolment Requirements:

Students are responsible for checking co- and prerequisites for all courses. Please note that not all courses are offered on an annual basis. A list of approved Canadian Studies courses may be found at www.uc.utoronto.ca/canadianstudies/. Other courses that are in the current academic Calendar that include significant Canadian content may be considered for approval by the Canadian Studies Program Director. Consult the Canadian Studies Program Office, UC173, University College, 416-946-4025. Email: canadian.studies@utoronto.ca.

Completion Requirements:

(4 full courses or their equivalent, including at least 1 FCE at the 300+ level)

First Year: No specific first-year requirements. (Students are advised to take introductory courses that will serve as prerequisites for optional courses of interest to them later in the program.)

1. CDN267H1/ CDN268H1

2. CDN367H1/ CDN368H1

3. 1 FCE from the list: UNI101H1/ UNI101Y1/ CDN202H1/
CDN205H1/ CDN221H1/ CDN230H1/ CDN267H1/ CDN268H1/

CDN280H1/ CDN305H1/ CDN307H1/ SDS355H1/ CDN367H1/
CDN368H1/ CDN380H1/ CDN390H1/ CDN405H1/ CDN420Y1/
CDN425H1/ CDN430Y1/ CDN435Y1/ DRM268H1/ HST211H1/
JUG320H1/ JSU325H1/ SOC218H1/ UNI220Y1/ UNI320Y1

4. Students will take another 2 FCEs in courses offered by the Canadian Studies Program, or the long list of courses approved by the Canadian Studies program (a full list of approved Canadian Studies courses can be found on the website at www.uc.utoronto.ca/canadianstudies/). Suitable courses not on the list may be considered for approval by the Program Director.

Cognitive Science Major - Arts (Arts Program) - ASMAJ1445

Enrolment Requirements:

This is a Type 2 program. Enrolment is limited and admission requires the completion of either COG250Y1, or a combination of 1.5 FCE in CSC, LIN, PHL, PSY (no more than 1 FCE from a single department). Please note that meeting the minimum admission requirements does not guarantee one a spot in any of our programs, depending on the number of program spaces available.

Students are responsible for checking co- and prerequisites for all courses. Please note that not all courses are offered on a regular basis. A list of approved Cognitive Science courses can be found on the website: www.uc.utoronto.ca/requirements. For any questions, consult the Cognitive Science Program Office, UC173, University College, 416-946-4025. Email: cecille.sioulis@utoronto.ca or the Program Director at: cogsci.director@utoronto.ca

Completion Requirements:

(8 FCEs)

Where noted below, please consult the Faculty of Arts & Science Course Calendar on prerequisites.

First Year:

CSC108H1/ CSC120H1; LIN102H1 (note: LIN200H1 does not serve as prerequisite for upper year LIN courses)

Second Year:

COG250Y1 (may be taken in Year 1); STA220H1/ PSY201H1/ PSY270H1

Second Year and Higher:

PHL342H1; PSY493H1 or PSY473H1 (for those with the appropriate prerequisites); COG341H1/ COG342H1; and 3 FCEs from one of Stream 1, 2, or 3:

Stream 1: Perception and Attention

PHL232H1; PSY280H1; and 2 FCEs of any of the following:
COG260H1/ COG341H1/ COG342H1/ COG343H1/ COG415H1/
COG498H1/ COG499H1/ PSY210H1/ PSY312H1/ PSY380H1/
PSY475H1/ PHL340H1/ PHL405H1/ JLP374H1/ NEW333H1/
NEW438H1

For those with the appropriate prerequisites: CSC207H1/ CSC320H1/ CSC420H1

Stream 2: Language and Cognition

LIN232H1/ LIN241H1/ JLP315H1/ JLP374H1; and 2 FCEs of any of the following (at least 0.5 FCE must be from LIN): COG260H1/ COG341H1/ COG342H1/ COG343H1/ COG415H1/ COG498H1/ COG499H1/ LIN232H1/ LIN241H1/ LIN331H1/ LIN341H1/ JLP315H1/ JLP374H1/ JLP471H1/ JLS472H1/ JLS473H1/ PHL245H1/ PHL340H1/ PHL345H1/ PHL351H1/ PHL451H1/ PSY210H1/ PSY312H1

For those with the appropriate prerequisites: CSC401H1/ CSC485H1

Stream 3: Thinking and Reasoning

PHL245H1; PSY260H1; and 2 FCEs of any of the following: COG260H1/ COG341H1/ COG342H1/ COG343H1/ COG415H1/ COG498H1/ COG499H1/ JLP374H1/ JLP471H1/ JLS472H1/ JLS473H1/ NEW333H1/ NEW438H1/ PHL246H1/ PHL340H1/ PHL347H1/ PSY210H1/ PSY312H1/ PSY370H1/ PSY371H1/ PSY372H1

For those with the appropriate prerequisites: CSC207H1/ CSC304H1/ CSC311H1/ CSC384H1/ CSC486H1

Fourth Year: COG401H1/ COG404H1

Cognitive Science Major - Science (Science Program) - ASMAJ1446

Enrolment Requirements:

This is a Type 2 program. Enrolment is limited and admission requires the completion of either COG250Y1, or a combination of 1.5 FCE in CSC, LIN, PHL, PSY (no more than 1 FCE from a single department). Please note that meeting the minimum admission requirements does not guarantee one a spot in any one of our programs, depending on the number of program spaces available.

Students are responsible for checking co- and prerequisites for all courses. Please note that not all courses are offered on a regular basis. A list of approved Cognitive Science courses can be found on the website: www.uc.utoronto.ca/requirements. For any questions, consult the Cognitive Science Program Office, UC173, University College, 416-946-4025. Email: cecille.sioulis@utoronto.ca or the Program Director at: cogsci.director@utoronto.ca

Completion Requirements:

(8 FCEs)

Note that some Computer Science courses included below under Streams 1 and 2 have unlisted co- or prerequisites. Please consult the Faculty of Arts and Science Course Calendar. Those interested in the Science Major are advised to consider also registering for a Computer Science Specialist, Major, or Minor (for Stream 1) or a Human Biology Neuroscience Specialist or Major (for Stream 2).

First Year:

CSC108H1/ CSC120H1 (recommended option); CSC148H1/ MAT135H1 and MAT136H1 (or MAT137Y1)

Second Year:

COG250Y1 (may be taken in Year 1); STA220H1/ STA257H1/ PSY201H1; PSY270H1

Second Year and Higher:

PHL342H1; PSY493H1 or PSY473H1 (for those with the appropriate prerequisites); and 2.5 FCEs from one of Stream 1 or 2:

Stream 1: Computational Cognition

Computational cognition is the interdisciplinary study of the information-processing underpinnings of cognitive mental processes. It seeks an understanding of cognition in mathematical terms and to apply this understanding to debates in artificial intelligence, cognitive psychology, and beyond.

No more than 1.5 FCEs of the 2.5 FCEs required from this list of options may come from any single 3-letter course designator, except for CSC courses. For CSC courses, a minimum of 1 FCE and up to 2 FCEs may be chosen. At least 1 FCE of the 2.5 FCEs must be at the 300-level. COG260H1/ COG341H1/ COG342H1/ COG343H1/ COG415H1/ COG498H1/ COG499H1/ CSC207H1/ CSC304H1/ CSC311H1/ CSC324H1/ CSC384H1/ CSC401H1/ CSC413H1/ CSC420H1/ CSC485H1/ CSC486H1/ JLP315H1/ JLP374H1/ JLP471H1/ LIN102H1/ LIN228H1/ LIN232H1/ LIN241H1/ LIN323H1/ LIN331H1/ LIN341H1/ NEW333H1/ NEW438H1/ PHL240H1/ PHL245H1/ PHL246H1/ PHL345H1/ PHL347H1/ PHL348H1/ PHL349H1/ PHL355H1/ PSY210H1/ PSY220H1/ PSY230H1/ PSY260H1/ PSY270H1/ PSY280H1/ PSY290H1/ PSY312H1/ PSY305H1/ PSY316H1/ PSY330H1/ PSY331H1/ PSY362H1/ PSY370H1/ PSY371H1/ PSY372H1/ PSY378H1/ PSY379H1/ PSY380H1/ PSY414H1/ PSY475H1

Stream 2: Cognition and the Brain

Today's cognitive scientists are more interested than ever before in the way the brain implements the information-processing underpinnings of cognitive mental processes. The study of cognition and the brain is the study, grounded in cognitive neuroscience, of those aspects of brain activity directly relevant to the performance of cognitive functions.

BIO130H1 and 2.0 FCEs of the following courses, with at least 1 FCE coming from PSY courses. At least 0.5 FCE of the 2.0 FCEs must be at the 300-level. COG260H1/ COG341H1/ COG342H1/ COG343H1/ COG415H1/ COG498H1/ COG499H1/ CSC207H1/ CSC311H1/ JLP471H1/ JLS472H1/ JLS473H1/ NEW333H1/ NEW438H1/ PHL355H1/ PHL357H1/ PSY210H1/ PSY270H1/ PSY280H1/ PSY290H1/ PSY312H1/ PSY316H1/ PSY331H1/ PSY362H1/ PSY380H1/ PSY390H1/ PSY396H1/ PSY397H1/ PSY473H1/ PSY492H1/ PSY494H1

Fourth Year:

COG402H1/ COG403H1/ COG404H1

Health Studies Major (Arts Program) - ASMAJ2085

Description:

The Health Studies Program explores how health around the world is shaped by the circumstances in which people are born, grow up, live, work, and age, and how these in turn connect to a wider set of environmental, social, cultural, economic, and political forces. Understanding health requires knowledge from a range of disciplines and sectors: Health Studies offers a stimulating interdisciplinary environment that challenges students to think about health – both locally and globally – in new ways.

Enrolment Requirements:

This is a Type 2L limited enrolment program that can only accommodate a certain number of students. Consult the Arts & Science Program Enrolment website for application procedures.

Applying with fewer than 8 FCEs completed requires:

- Completion of at least 4.0 FCEs
- Obtaining 70% or more in at least 1.0 FCE of the following courses: ANT100Y1/ BIO130H1/ GGR107H1/ HPS100H1/ HPS110H1/ HPS120H1/ PCL102H1/ PHS100H1/ PHL100Y1/ PHL101Y1/ POL101Y1/ PSY100H1/ SOC100H1/ TRN135Y1/ UNI103H1/ UNI103Y1/ WGS160Y1.

Applying with 8 FCEs or more completed requires:

- Obtaining 70% or more in at least 1.5 FCE of the following courses: ANT100Y1/ BIO130H1/ GGR107H1/ HPS100H1/ HPS110H1/ HPS120H1/ HST209H1/ HST211H1/ HST250H1/ PCL102H1/ PHL100Y1/ PHL101Y1/ PHS100H1/ POL101Y1/ PSY100H1/ SOC100H1/ TRN135Y1/ UNI103H1/ UNI103Y1/ WGS160Y1.

If more than the required number of FCEs have been completed, the higher grades will be used. Note that the actual grades required for admittance may be higher than the requirement, depending on the current capacity of the program and the pool of applicants.

Completion Requirements:

(8.0 FCEs, including at least 1.5 FCE at the 400 level.)

1. 1.0 FCE of the following courses: ANT100Y1/ BIO130H1/ GGR107H1/ HPS100H1/ HPS110H1/ HPS120H1/ PCL102H1/ PHS100H1/ PHL100Y1/ PHL101Y1/ POL101Y1/ PSY100H1/ SOC100H1/ TRN135Y1/ UNI103H1/ UNI103Y1/ WGS160Y1
2. HST209H1, HST211H1, HST250H1
3. PHL281H1/ INS200H1
4. STA220H1 or equivalent
5. 0.5 FCE of the following courses: ANT208H1/ HMB202H1/ HMB203H1/ INS205H1/ JSU237H1/ NFS284H1/ SOC204H1/ SOC243H1/ STA221H1/ TRN235H1/ TRN236H1
6. HST310H1
7. HST373H1/ HMB342H1
8. 1.0 FCE of the following courses: HST307H1/ HST308H1/ HST309H1/ HST330H1/ HST350H1/ HST350Y1/ ANT345H1/ ANT348H1/ ANT358H1/ GGR340H1/

HPS319H1/ HMB303H1/ HMB323H1/ INS340Y1/ INS350H1/ PHL380H1/ PHL381H1/ PHL383H1/ PHS300H1/ SOC309H1/ SOC316H1/ SOC363H1/ SOC364H1/ WGS367H1

9. 1.5 FCE of the following courses: HST400Y1/ HST405H1/ HST408H1/ HST409H1/ HST410H1/ HST411H1/ HST440H1/ HST451Y1/ HST464H1/ HST480H1
10. The remaining 0.5 FCE can include any courses not previously taken from the lists above, or any of the following: ANT460H1/ ENV430H1/ JFP450H1/ HMB406H1/ HMB433H1/ HMB462H1/ IRE378H1/ NEW344Y1/ SOC412H1/ SOC488H1

Asian Canadian Studies Minor (Arts Program) - ASMIN2728

Description:

The Minor in Asian Canadian Studies focuses on community-engaged learning that explores how to understand the historical, social, cultural, economic, and political forces that affect people of Asian heritage in Canada. Our interdisciplinary courses connect students with local communities, and every course provides opportunities for students to pursue a choice of research interests. Together we critically investigate and add to knowledge about Asian Canadians.

The category "Asian Canadian" is widely understood to refer to people in Canada of East Asian, South Asian, Southeast Asian, and West Asian ancestry.

Students take two required half-year core courses in Asian Canadian Studies; select from an array of courses in Asian Canadian Studies; and take additional courses related to the larger contexts of Asian Canadian Studies. The Minor in Asian Canadian Studies is easily combined with other disciplines, such as Anthropology, Art, Economics, English, Geography, History, Political Science and Sociology, as well as with interdisciplinary studies such as Contemporary Asian Studies, Diaspora and Transnational Studies, Equity Studies, East Asian Studies, South Asian Studies, and Near Eastern Studies.

Students will be encouraged to take full advantage of the opportunities available through the Canadian Studies Program, including its journal, *ImagiNATIONS*, produced by and for undergraduate students and its annual undergraduate student conference. The Canadian Studies Student Union is a focal point for social as well as academic pursuits, and is open to students pursuing a Minor in Asian Canadian Studies. Students also can participate in Asian Canadian Studies student events and in the tri-campus Asian Canadian Studies Research network. The Research network brings together professors and students to discuss current research related to Asian Canadian Studies, Asian diasporas, and global Asian migrations. Students in the minor are also invited to participate in the Asian Institute's Asian Pathways Research Lab that offers research opportunities in Toronto.

Admission Requirements:

This program has unlimited enrolment and no specific admission requirements. All students who have completed at least 4 FCEs are eligible to enrol.

First Year: No specific first-year requirements. (Students are advised to take introductory courses that will serve as prerequisites for optional courses of interest to them later in the program.)

Completion Requirements:

(4 full courses or their equivalent, including at least 1 FCE at the 300+ level).

First Year: No specific first-year requirements. (Students are advised to take introductory courses that will serve as prerequisites for optional courses of interest to them later in the program.)

Subsequent year requirements:

Required courses (1.0 FCE):

1. CDN230H1 Asian Canadian History
2. CDN307H1 Asian Cultures in Canada

Additionally, 3.0 FCE from courses in requirements 3 & 4, with at least 1.0 FCE in each category.

3. Asian Canadians and Asian Diasporas in Canada:

CAS413H1; CAS450H1; CDN230H1; CDN307H1; CDN390H1; CDN395H1; CDN225H1; CDN367H1; CDN420Y1; EAS315H1; ENG268H1; ENG368H1; ENG369H1; SOC218H1; ANT477H1; SAS114H1.

4. Contexts of Asian Canadian Studies:

Canadian Studies program courses:

CDN202H1; CDN205H1; CDN218H1; CDN221H1; CDN267H1; CDN268H1; CDN280H1; CDN305H1; CDN335H1; CDN355H1; CDN367H1; CDN368H1; CDN380H1; CDN405H1; CDN406H1; CDN420Y1; CDN425H1; CDN435Y1

Other courses:

INS201Y1; INS261H1; INS301Y1; INS302H1; INS350H1; INS351Y1; INS352H1; INS353H1; INS360Y1; INS403H1; INS407H1; ABS401H; JFP450H1; POL308H1; ANT204H1; ANT315H1; ANT322H1; ANT365H1; ANT412H1; CAS201H1; CAS202H1; CAS413H; CIN332Y1; CIN370H1; CSC300H1; DRM230Y1; DRM268H1; DTS200Y1; EAS105H1; EAS210Y1; EAS211Y1; EAS212H1; EAS219H1; EAS220Y1; EAS221H1; EAS300Y1; EAS310Y1; EAS320Y1; EAS401H1; EAS402H1; EAS410Y1; EAS460H1; EAS461H1; EAS474H1; ECO321H1; ECO322H1; ENG215H1; ENG252Y1; ENG350H1; ENG352H1; ENG353H1; ENG354Y1; ENG55H1; ENG357H1; ENG359H1; ENG424H1; ENG425H1; ENG428H1; FAH248H1; FAH262H1; FAH345H1; FAH367H1; FAH457H1; FAH458H1; FAH482H1; FAH485H1; FAH486H1; FAH495H1; FIN320H1; FRE210H1; FRE314H1; FRE379H1; FEE410H1; FRE410H1; GGR124H1; GGR246H1; GGR320H1; GGR357H1; HIS262H1; HIS264H1; HIS283Y1; HIS307H1; HIS311Y1; HIS312H1; HIS313H1; HIS314H1; HIS318H1; HIS350H1; HIS363H1; HIS365H1; HIS366H1; HIS402H1; HIS405Y1; HIS410H1; HIS429H1; HIS420H1; HIS462H1; HIS464H1; HIS466H1; HIS469H1; HIS472H1; HUN355H1; INI308H1; INI337H1; INI385H1; INI387H1; INI437Y1; ITA233H1; ITA334H1; ITA493H1; JFP450H1; JGI346H1; JPA354H1; JPU315H1; JQR360H1; LIN201H1; LIN458H1; MUS306H1; NEW240Y1; NEW346H1; NEW429H1; NMC278H1; NMC315H1; NML110Y1; NML210Y1; NML360Y1; NML370Y1; NML470Y1; POL214Y1; POL224H1; POL306H1; POL308H1; POL312Y1; POL314H1; POL316Y1; POL334H1; POL336H1; POL344Y1; POL349H1; POL356H1; POL382H1; POL425Y1; POL439H1; POL462H1; POL463H1; POL467H1; POL473H1; POL474H1; POL490H1; POL490Y1; POL491H1; POL491Y1; PRT234H1; PPG301H1; RLG261H1; RLG262H1; RLG308H1; RLG426H1; SMC291H1; SMC315H1; SMC320H1; SMC366H1; SMC376H1; SMC377H1; SMC385H1; SMC413H1; SMC416H1; SMC428H1; SMC466H1; SLA238H1; SOC220H1; SOC253H5; SOC311H1; SOC336H1; SOC383H1; TRN160Y1; TRN235H1

TRN419Y1; UNI101H1/ UNI101Y1; UNI102H1/ UNI106H1; UNI102Y1; UNI103H1/ UNI103Y1; UNI104H1/ UNI104Y1; VIC119H1; VIC351H1; WGS380H1.

A full list of approved Asian Canadian Studies courses and the approved list of courses related to the contexts of Asian Canadian Studies can be found on the website at www.uc.utoronto.ca/canadianstudies/. Please note that not all courses are offered on a regular basis. Students are responsible for checking co- and prerequisites for all courses. Courses that are in the current academic Calendar that include significant Canadian content may be considered, in consultation with the Canadian Studies Program Director. Consult the Canadian Studies Program Office, Room UC173, University College, 416-946-4025, E-mail: canadian.studies@utoronto.ca.

Canadian Studies Major (Arts Program) - ASMAJ0728

Description:

Canadian Studies courses offer opportunities to study contemporary Canada in an interdisciplinary manner to explore cultural, social, economical and political developments in this complex and diverse country. Students are encouraged to consider additional courses in Indigenous Studies in completing the Program requirements.

Enrolment Requirements:

Completion of four courses is required for enrolment in the Canadian Studies Specialist or Major program; no minimum GPA required. Please note that not all courses are offered on an annual basis. A list of approved Canadian Studies courses in the current academic Calendar that include significant Canadian content may be considered for approval by the Canadian Studies Program Director. Consult the Canadian Studies Program Office, UC173, University College, 416-946-4025. Email: canadian.studies@utoronto.ca.

Completion Requirements:

(7 full courses or their equivalent in Canadian Studies approved courses with 2 FCEs at the 300+ level, and 0.5 FCE of which must be at the 400 level)

First Year: No specific first-year requirements. (Students are advised to take introductory courses that will serve as prerequisites for optional courses later in the program.)

1. (CDN267H1, CDN268H1), 1.0 FCE of the following: FAS248H1; DRM268H1/ ENG215H1/ ENG252H1/ ENG254H1/ FOR200H1/ FRE210H1/ GGR240H1/ GGR246H1/ HIS262H1/ HIS264H1/ INS201H1/ INS210H1/ INS220H1/ INS231H1/ LIN201H1/ POL214Y1/ POL224Y1/ SLA238H1/ SOC218H1/ SOC220H1/ TRN235H1

2. (CDN367H1, CDN368H1)

3. 0.5 FCE of any one of the following: CDN307H1/ CDN335H1/ CDN380H1/ CDN390H1/ JSU325H1

4. CDN405H1 or another fourth-year Canadian Studies course approved by the Program Director.

5. Students will take another 3 FCEs offered by the Canadian Studies Program, or in the list of courses approved by the Canadian

Studies Program (see: www.uc.utoronto.ca/canadianstudies). Suitable courses not on the list may be considered for approval by the Program Director.

University College Courses

CDN197H1 - Inventing Canada

Hours: 24S

This course explores the ways that Canadian history and identity have been commemorated, interpreted and experienced, now and in the past. The course focuses in particular on who has been included or excluded in commemorative efforts over time. Key topics include representations of women, Indigenous peoples, and political figures on screen and through public installations like museum exhibits, plaques and statues. Case studies highlighting a range of interpretive media will encourage students to work with and discuss a range of primary and secondary sources, build critical thinking and academic writing skills. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CDN198H1 - Canada, Colonialism and Settler Relations

Hours: 24S

A First Year Foundations seminar focused on exploring Canada's colonial history and recent efforts to enact appropriate settler relations through an interdisciplinary lens. Topics will include contemporary land claims and treaty-making processes, the Royal Commission on Aboriginal Peoples, governmental apologies for the mistreatment of Indigenous peoples, the Truth and Reconciliation Commission, land acknowledgements, practices of allyship through social movement such as Idle No More, and efforts to influence Canada's overseas mining practices. Restricted to first-year students. Not eligible for CR/NCR option.

Breadth Requirements: Society and its Institutions (3)

CDN199H1 - Canada- Hong Kong Migration

Hours: 24S

This course surveys the effects of migrations and cultural connections between Hong Kong and Canada from the 1960s. Students will discuss and analyze the impact of migrations, and study the connection between the two locations from the perspectives of history, culture and literature, politics and democracy, economic and financial development and the network of people and community. Restricted to first-year students. Not eligible for CR/NCR option.

Breadth Requirements: Society and its Institutions (3)

UNI101H1 - Citizenship in the Canadian City

Previous Course Number: UNI101Y1

Hours: 36S

Who belongs? Who governs? Who decides? In this course, you will examine the concepts of citizenship, public space, political membership, civic responsibility, and belonging. You will address topics such as Indigenous sovereignty claims, urban multiculturalism, public housing, and greening the city. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, St. Mike's One, Trinity One, Vic One, Woodsworth One

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

UNI102H1 - Performing the City I

Previous Course Number: UNI102Y1

Hours: 36S

You will explore the connections between the performing arts, urban spaces, and cultural diversity. How does theatrical performance affect how people perceive the city? What are the alternatives to established theatres, and how does community activism inform performing arts in Toronto? Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, St. Mike's One, Trinity One, Vic One, Woodsworth One

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

UNI103H1 - Gradients of Health in an Urban Mosaic

Previous Course Number: UNI103Y1

Hours: 36S

In this course, you will examine how Toronto's varied communities access and use health care, and how they may encounter barriers in doing so. You will study how economic disparities, shifting demographics, and government policies affect health policy and the right to access resources. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, St. Mike's One, Trinity One, Vic One, Woodsworth One

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

UNI104H1 - Sex in the City

Previous Course Number: UNI104Y1

Hours: 36S

You will learn about the sexual politics of the city and how cities and their neighbourhoods become sexualized and desexualized spaces. In Sex in the City, you will examine what "sex" means to Toronto's varied, multicultural communities by looking at urban space, cultural productions, law enforcement, safety and health resources and more. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, St. Mike's One, Trinity One, Vic One, Woodsworth One

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

UNI197H1 - Hamilton: Musical and History

Hours: 24S

This course examines the American revolution and its reception in the musical "Hamilton." The American revolution generated multiple stories that included and excluded actors, peoples, perspectives, and more. This course delves into the American revolution and the diversity of those engaged in it and affected by it. The songs, performances, and reception of the musical "Hamilton" are a key resource for exploring the events and role of the American Revolution. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

UNI198H1 - Why Go to University? The Changing Role and Purpose of Higher Education

Hours: 24S

Is higher education about job preparation or about giving students an opportunity to learn about themselves and the world around them? Can higher education in Canada achieve both these aims? This course engages with the spirited conversations and scholarly debates about the ideals of a liberal arts education and how these connect with ancient and contemporary arguments about citizenship. We explore the impact on higher education of globalization and what some call the "corporatization" of universities. Students will be encouraged to think, read, research and write about various models of higher education and explore questions suggested by these debates. Restricted to newly admitted first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

UNI106H1 - Performing the City II

Previous Course Number: UNI102Y1

Hours: 36S

Further exploration of connections between the performing arts, urban spaces, and cultural diversity; complementing UNI102H1. How does theatrical performance affect how people perceive the city? What are the alternatives to established theatres, and how does community activism inform performing arts in Toronto? Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, St. Mike's One, Trinity One, Vic One, Woodsworth One

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

UNI199H1 - The Construction of Race in America: A History

Hours: 24S

The course will explore the origins of racial categories in America, in particular Negro (later black), Indian, and white. Drawing on primary sources such as memoirs, film, and government records as well as writings by scholars, we will examine how beliefs about these categories changed over time and with what consequences for the unfolding of American history. Arriving at the present day, we will consider such contradictory developments as the accelerating influence of Black Lives Matter and the headline-grabbing white nationalism on display at the “Unite the Right” rally in Charlottesville, Virginia, August, 2017. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

Canadian Studies

CDN202H1 - Aspects of Quebec Culture

Previous Course Number: UNI202H1

Hours: 24S

An exploration of modern Québec culture as expressed in literature and the performing arts. Through a selection of internationally-known entertainers, we examine form, artistic innovation, communication of information and knowledge, and spectatorship. Novels and plays provide key elements such as tradition and historical context.

Exclusion: UNI202H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CDN205H1 - Topics in Canadian Studies I

Previous Course Number: UNI205H1

Hours: 24L

A focused introduction to specific issues in Canadian culture and society. Content will vary from year to year. Specific course information will be available on the Canadian Studies website at www.uc.utoronto.ca/canadianstudies.

Exclusion: UNI205H1

Distribution Requirements: Humanities; Social Science

CDN218H1 - Voices in Canadian Writing

Previous Course Number: UNI218H1

Hours: 24S

A study of the variety of voices in Canadian fiction with a focus on contemporary writers. Issues such as marginalization, migration, diaspora and the formulation of the Canadian canon are discussed.

Exclusion: UNI218H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CDN221H1 - Culture and the Media in Canada

Previous Course Number: UNI221H1

Hours: 24L

An exploration of the encounter between culture and mass communication in Canadian society. The course considers the role of major cultural institutions such as the CBC, the NFB, and their granting bodies. The emergence of new media and its relationship to mass media is also addressed.

Exclusion: UNI221H1

Distribution Requirements: Social Science

Breadth Requirements: Creative and Cultural Representations (1)

CDN225H1 - Asian Canadian Space & Place

Hours: 24L

A comprehensive examination of the socio-cultural dimensions of space and place in the contemporary Asian Canadian context. Explores Asian Canadian landscape, culture and heritage, place and identity formation, multiculturalism and nationalism, spatial conflict and contestation, and the political economy of cultural space.

Recommended Preparation: CDN267H1/ CDN268H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CDN230H1 - Asian Canadian History

Previous Course Number: UNI230H1
Hours: 24L

The course examines the history of Asian Canadians from the mid-1800s to the present by analyzing their contributions to the socio-cultural, economic, and political development of Canada. It explores how Asian Canadian history reconfigures prevailing understanding of race, migration, multiculturalism, and national identity through intersectional, comparative, and transnational frameworks.

Exclusion: UNI230H1
Distribution Requirements: Humanities
Breadth Requirements: Thought, Belief and Behaviour (2)

CDN268H1 - Canada and Globalization

Previous Course Number: UNI268H1
Hours: 36L

Students examine the impact of contemporary globalization on Canada, and for Canada's place in the world. The course is interdisciplinary in its approach and addresses globalization from a wide range of perspectives, including mobility, trade, urbanization, health, religion, environmental change, technology, communications, and the arts.

Exclusion: UNI220Y, UNI268H1
Distribution Requirements: Social Science
Breadth Requirements: Society and its Institutions (3)

CDN240H1 - Italian Canadian Studies

Hours: 24L

An interdisciplinary course that examines the social, economic, and political forces and events that have shaped the Italian Canadian experience. Topics include initial and subsequent settlement patterns including suburbanization, identity formation, education, mobility, work, media, multiculturalism, transnationalism, and political participation and representation. The course interrogates the complexities of the social and cultural interactions of Italian Canadians in the context of the changing demography of Canada.

Recommended Preparation: CDN267H1, CDN268H1
Distribution Requirements: Social Science
Breadth Requirements: Society and its Institutions (3)

CDN280H1 - Canadian Jewish History

Previous Course Number: UNI280H1
Hours: 24L

This course focuses on initial settlement patterns of Jews in Toronto and elsewhere, community growth including suburbanization, and contemporary challenges such as anti-Semitism and assimilation.

Exclusion: UNI280H1
Distribution Requirements: Humanities; Social Science
Breadth Requirements: Society and its Institutions (3)

CDN267H1 - Canadian Nationalisms

Previous Course Number: UNI267H1
Hours: 24L

A critical examination of contemporary forms of Canadian nationalism. This interdisciplinary course will interrogate national formations across theoretical works, policy documents, and cultural representations. Students will address the ways that nationalist discourses constitute difference, especially with respect to race, ethnicity, gender, and sexuality.

Exclusion: UNI220Y, UNI267H1
Distribution Requirements: Humanities
Breadth Requirements: Creative and Cultural Representations (1)

CDN305H1 - Topics in Canadian Studies II

Previous Course Number: UNI305H1
Hours: 24L

An in-depth study of selected questions in contemporary Canadian culture and society. Content will vary from year to year. Specific course information will be available on the Canadian Studies website at www.uc.utoronto.ca/canadianstudies/.

Exclusion: UNI305H1
Distribution Requirements: Humanities; Social Science

CDN307H1 - Asian Cultures in Canada

Previous Course Number: UNI307H1

Hours: 24S

An exploration of the cultural histories and creative productions of a wide range of Asian communities in Canada. Experts in specific areas - literature, dance, drama, film - will be invited to present their work.

Exclusion: UNI307Y1, UNI307H1

Recommended Preparation: CDN267H1 (formerly UNI267H1),
CDN268H1 (formerly UNI268H1)

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

CDN340H1 - The History of Canadian-U.S. Relations

Hours: 24L

Over time, Canadians and Americans have developed distinct identities and cultures, but their histories have always been closely linked. This course examines the complex interrelationship between Canada and the United States, from the colonial period through the present day, especially its political, cultural, and indigenous dimensions.

Prerequisite: 0.5 FCE in a CDN course or permission of instructor

Exclusion: CDN305H1 (Canadian Topics II: The History of Canadian-U.S. Relations)

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CDN325H1 - Asian Canadian Space & Place

Hours: 24L

A comprehensive examination of the socio-cultural dimensions of space and place in the contemporary Asian Canadian context. Explores Asian Canadian landscape, culture and heritage, place and identity formation, multiculturalism and nationalism, spatial conflict and contestation, and the political economy of cultural space.

Prerequisite: 5.0 FCE or permission of the instructor

Recommended Preparation: CDN267H1/ CDN268H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CDN355H1 - Digital Media, Digital Makers

Hours: 24S

This course will introduce students to quantitative research tools developed through the Digital Humanities. Students will learn to use online text analytics tools in order to understand how quantitative methods can support critical academic research of the study of Canada. Quantitative digital analysis will be applied to a wide range of Canadian digital academic archives and community hubs.

Prerequisite: One of: CDN202H1/ CDN205H1/ CDN218H1/
CDN221H1/ CDN230H1/ CDN267H1/ CDN268H1/ CDN367H1/
CDN368H1/ HIS263Y1/ SOC218H1

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

CDN335H1 - Black Canadian Studies

Previous Course Number: UNI335H1

Hours: 24S

An interdisciplinary course that interrogates the constitution of blackness in Canada. Students will study race and ethnic relations, alongside other identity formations such as class, gender and sexuality. Topics to be addressed include media, education, law, immigration and mobility, urbanism, work, political representation and the arts.

Prerequisite: CDN267H1 (formerly UNI267H1), CDN268H1
(formerly UNI268H1)

Exclusion: UNI335H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CDN365H1 - The Canadian Arctic

Hours: 24S

This course surveys topics related to the Canadian Arctic. Through a critical interdisciplinary lens, the course looks at a broad set of issues including discovery and history, the environment and climate change, economic and resource development, sovereignty and security, social conditions, governance, and First Nations, Inuit, and Metis perspectives.

Prerequisite: At least 4.0 FCE in Faculty of Arts & Science/1.0 FCE in Canadian Studies

Exclusion: CDN406H1 (Topics in Canadian Studies III: Canadian Arctic Policy Development and Inuit Recognition)

Recommended Preparation: CDN267H1, CDN268H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CDN367H1 - Canadian Pluralism

Previous Course Number: UNI367H1
Hours: 24S

Students will examine the complexities of social and cultural interaction in the context of changing Canadian demographics. This course compares and contrasts policies regarding indigenous rights, migration, multiculturalism, and citizenship with contemporary cultural narratives in literature, painting and film.

Prerequisite: CDN267H1/ CDN268H1
Exclusion: UNI320Y1, UNI367H1
Distribution Requirements: Humanities
Breadth Requirements: Creative and Cultural Representations (1)

CDN390H1 - Chinese Canadian Studies

Previous Course Number: UNI390H1
Hours: 24S

This course examines socio-cultural, political and economic aspects of Chinese communities in Canada. It explores how the study of Chinese Canadians challenges and augments our understanding of issues such as immigration and diaspora, multiculturalism, and race and ethnicity.

Prerequisite: 4.0 FCEs or by permission of instructor
Exclusion: UNI390H1
Recommended Preparation: CDN230H1
Distribution Requirements: Social Science
Breadth Requirements: Society and its Institutions (3)

CDN368H1 - Canada's Borders

Previous Course Number: UNI368H1
Hours: 24S

The Canadian border is being reshaped by the increasing transnational movement of people, goods and ideas. Students will examine border issues relating to mobility, trade, and security from a wide range of interdisciplinary perspectives, from public policy to contemporary media, such as TV, films, and novels.

Prerequisite: CDN267H1/ CDN268H1
Exclusion: UNI320Y1, UNI368H1
Distribution Requirements: Social Science
Breadth Requirements: Society and its Institutions (3)

CDN395H1 - Independent Study in Asian Canadian Studies

Previous Course Number: UNI395H1
Hours: TBA

An opportunity to write an independent research paper in Asian Canadian Studies under direction of a faculty member. Students wishing to take this course must have their essay proposal and supervisor approved by the Canadian Studies Program Director. The application for enrolment should be made in the term preceding study. Not eligible for CR/NCR option.

Prerequisite: CDN267H1/ CDN268H1
Exclusion: UNI395H1

CDN380H1 - Socio-Cultural Perspective of the Canadian Jewish Community

Previous Course Number: UNI380H1
Hours: 24L

This course examines the relationship between prominent Canadians who happen to be Jews and those whose works are founded in Jewish identity; the diversity of the community on the basis of religion, language, class, ideology, etc.; contributions to the arts and scholarship; and the role and contribution of Jewish women.

Exclusion: UNI380H1
Distribution Requirements: Humanities; Social Science
Breadth Requirements: Creative and Cultural Representations (1)

CDN405H1 - The University in Canada

Previous Course Number: UNI405H1
Hours: 24S

This seminar course will address the role of universities in Canadian society and in the lives of Canadians. Students will explore both contemporary issues in Canadian higher education and consider the historical contexts from which they emerged.

Prerequisite: CDN367H1/ CDN368H1
Exclusion: UNI405H1
Recommended Preparation: CDN267H1, CDN268H1, CDN367H1, CDN368H1
Distribution Requirements: Social Science
Breadth Requirements: Society and its Institutions (3)

CDN406H1 - Topics in Canadian Studies_III**Hours:** 24S

An in-depth study of selected questions in contemporary Canadian culture and society. Content will vary from year to year. Specific course information will be available on the Canadian Studies website at www.uc.utoronto.ca/canadianstudies.

Prerequisite: At least 4.0 FCE in Faculty of Arts & Science/1.0 FCE in Canadian Studies

Recommended Preparation: CDN267H1, CDN268H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

CDN420Y1 - Senior Essay

Previous Course Number: UNI420Y1

Hours: 48S

Students select an appropriate research topic and, in consultation with the Program Director, make arrangements with a suitable supervisor. Preferably, research projects must be approved by the supervisor and by the Director of the Canadian Studies Program by April of the preceding academic year. Students meet periodically during the year in seminar to participate in peer evaluations of: statement of research, literature review, methods of analysis, and to share reports of progress in research. Not eligible for CR/NCR option.

Prerequisite: Normally open only to Majors and Specialists in the Canadian Studies program or permission of Director.

Exclusion: UNI420Y1

Distribution Requirements: Humanities; Social Science

CDN425H1 - Independent Research in Canadian Studies (formerly UNI425H1)

Hours: TBA

An opportunity to write a substantial research paper in Canadian Studies that integrates research methodologies and conceptual frameworks developed over the student's course of study. Students must have their topic and supervisor approved by the Canadian Studies program director. Not eligible for CR/NCR option.

Prerequisite: CDN367H1, CDN368H1 or permission of Director

Distribution Requirements: Humanities; Social Science

CDN430Y1 - Senior Seminar: Special Topics in Canadian Studies

Previous Course Number: UNI430Y1

Hours: 48S

An upper level seminar. Not eligible for CR/NCR option.

Prerequisite: CDN367H1 (formerly UNI367H1), CDN368H1 (formerly UNI368H1) or permission of the Director of the Canadian Studies program

Exclusion: UNI430Y1

CDN435Y1 - Active Citizenship in a Canadian Context

Previous Course Number: UNI435Y1

Hours: 48S

This course draws from theoretical works to critically examine the experiences of citizenship of various communities in Canada. A service learning component is incorporated so that students can themselves engage in active citizenship. The course develops extracurricular expertise that can contribute to a student's professional CV.

Prerequisite: Completion of 10 FCEs, and application required. See <http://www.uc.utoronto.ca/courses-offered-canadian-studies-program> for details.

Exclusion: UNI435Y1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

JSU325H1 - Queerly Canadian

Previous Course Number: UNI325H1

Hours: 36L

This course focuses on Canadian literary and artistic productions that challenge prevailing notions of nationality and sexuality, exploring not only how artists struggle with that ongoing Canadian thematic of being and belonging, but also celebrate pleasure and desire as a way of imagining and articulating an alternative national politics.

Prerequisite: SDS255H1/ SDS256H1/ CDN267H1 (formerly UNI267H1)/ CDN268H1 (formerly UNI268H1) or permission of the instructor

Exclusion: SDS375H1 Special Topics: Queerly Canadian, UNI325H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

JUG320H1 - The Canadian Wilderness

Hours: 24L

The idea of wilderness permeates narratives of Canadian national identity, while policy-makers seek to manage and contain natural areas. This course compares and contrasts historical and contemporary wilderness narratives in literature, painting and film with policies in areas such as conservation, urban planning, land claims and tourism.

Recommended Preparation: 8.0 FCE's

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

JUG325H1 - Landscapes of Violence in Canada

Hours: 24L

This course examines how violence is enacted in Canada, at various scales, and across domestic, urban, national, and international landscapes. We will interrogate what is meant by violence; examine its colonial, racial and patriarchal dimensions; explore the impact on people and communities; and attend to forms of resistance and repair.

Recommended Preparation: CDN267H1, CDN268H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

COG260H1 - Data, Computation, and the Mind

Hours: 24L/12P

How does the human mind work? We explore this question by analyzing a range of data concerning such topics as human rationality and irrationality, human memory, how objects are represented in the mind, and the relation of language and cognition. This class provides critical thinking and practical computational skills that will allow students to work with data in cognitive science and related disciplines.

Prerequisite: CSC108H1/ CSC148H1

Corequisite: COG250Y1

Distribution Requirements: Social Science

Breadth Requirements: The Physical and Mathematical Universes (5)

COG341H1 - Issues on Attention, Perception and Consciousness

Hours: 36L

An examination of core topics in cognitive science building on introductions in COG250Y1. Typical topics include: perception and attention; concepts; imagery; consciousness.

Prerequisite: COG250Y1; COG260H1 and one of PSY270H1/ PHL342H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

Cognitive Science

COG250Y1 - Introduction to Cognitive Science (formerly JUP250Y1, UNI250Y1)

Hours: 78L

An introduction to the problems, theories and research [strategies central to the interdisciplinary field focusing on the nature and organization of the human mind and other cognitive systems. Interrelations among the philosophical, psychological, linguistic and computer science aspects of the field are emphasized.

Exclusion: JUP250Y1, UNI250Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

COG342H1 - Issues on Concepts, Theories of Mind, Cognitive Evolution

Hours: 36L

An examination of core topics in cognitive science building on introductions in COG250Y. Typical topics include: concepts; theories of mind; cognitive evolution.

Prerequisite: COG250Y1 and one of PSY270H1/ PHL342H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

COG343H1 - Issues on Cognitive Science III: Computational Cognition

Hours: 24L/12P

An examination of core topics in cognitive science building on introductions in COG250Y1. Typical topics include: computational models of cognition and learning, natural language processing, computer intelligence.

Prerequisite: CSC148H1, STA220H1/ PSY201H1

Corequisite: COG250Y1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

COG403H1 - Seminar in Cognitive Science

Hours: 36S

Advanced treatment of cognitive science topics, including the application of core ideas from probability theory, information theory, statistics, and machine learning to modelling human cognition and artificial intelligence.

Prerequisite: CSC148H1; COG250Y1; COG260H1; (MAT135H1, MAT136H1)/ MAT137Y1, 0.5 FCE in statistics; 14.0 credits

Exclusion: COG401H1; COG402H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

COG401H1 - Seminar in Cognitive Science

Hours: 36S

Advanced treatment of cognitive science topics for arts majors. Possible topics include: concepts, consciousness, the mind-body problem, cognitive science and the arts.

Prerequisite: COG250Y1; PHL342H1; 14.0 credits

Exclusion: COG402H1, COG403H1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

COG404H1 - Seminar in Cognitive Science

Hours: 36S

Advanced treatment of cognitive science topics, including language processes and language representation, productions and comprehension, language acquisition, and language and theory of mind, pragmatics, reference and context.

Prerequisite: COG250Y1; JLP315H1/ JLP374H1; LIN232H1/ LIN241H1; 14.0 credits.

Exclusion: COG401H1; COG402H1; COG403H1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

COG402H1 - Seminar in Cognitive Science

Hours: 36S

Advanced treatment of cognitive science topics such as neuroscientific theories of consciousness, rationality and modelling of cognitive processes.

Prerequisite: COG250Y1; PSY270H1; 14.0 credits

Exclusion: COG401H1; COG403H1

Distribution Requirements: Science; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

COG415H1 - Cognitive Science in Practice

Hours: 18L/15P

This course provides COG students with the opportunities to practice quantitative and qualitative evaluation and assessment methods in real world situations and juxtapose theory with practice. Placement activities will ground topics such as problem solving, logistics, decision making, etc., through practical application, individual and group / in-class critical reflection.

Prerequisite: COG250Y1, COG341H1/ COG342H1, PSY370H1

Distribution Requirements: Science

Breadth Requirements: Thought, Belief and Behaviour (2)

COG498H1 - Independent Study

Hours: TBA

Advanced Independent Study. Not eligible for CR/NCR option.

Distribution Requirements: Humanities; Social Science

COG499H1 - Individual Study in Cognitive Science

Hours: TBA

Advanced Independent Study. Not eligible for CR/NCR option.

Distribution Requirements: Humanities; Social Science

Health Studies

HST209H1 - Introduction to Health: Determinants of Health & Health Care

Previous Course Number: UNI209H1

Hours: 24L

A multidisciplinary approach to understanding perspectives in health, health equity, and primary health care. Themes include critical discussion of the measurements of health outcomes and the socioeconomic and political factors that affect health, including neglected and marginalized populations in Canada and globally.

Exclusion: UNI209H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

HST211H1 - Health Policy in Canada

Previous Course Number: UNI211H1

Hours: 24L

Introduces students to health policy in Canada, with a particular focus on the social determinants of health, and on how to improve health through policy advocacy. Examines the policy making process in the Canadian context, and the development of health policy in Canada. Explores current debates about health issues.

Exclusion: UNI211H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

HST250H1 - Introduction to Research Methods in Health Studies

Previous Course Number: UNI250H1

Hours: 36L

Offers students in Health Studies a basic understanding of research design and data collection on health topics. Also assesses the usefulness of research and data collection in the formation of health policy.

Exclusion: UNI250H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

HST307H1 - Special Topics in Health Studies I

Hours: 24L

The specific content of this course will vary from one year to another, depending on the availability of particular health researchers and scholars. Specific course information will be available on the Health Studies website at www.uc.utoronto.ca/healthstudies/.

Distribution Requirements: Social Science

HST308H1 - Aging and Health

Previous Course Number: UNI308H1

Hours: 24L

Provides an understanding of the interface between health and aging, and how to maintain wellness in a rapidly aging population. Examines theories of aging, the meaning of health in old age, myths about the health of Canada's older people, and emerging national and international responses to aging populations.

Prerequisite: HST209H1, HST211H1

Exclusion: UNI308H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

HST309H1 - Special Topics in Health Studies II (formerly UNI309H1)

Hours: 24L

The specific content of this course will vary from one year to another, depending on the availability of particular health researchers and scholars. Specific course information will be available on the Health Studies website at www.uc.utoronto.ca/healthstudies/.

Distribution Requirements: Social Science

HST310H1 - Critical Health Policy

Previous Course Number: UNI310H1

Hours: 24L

A critical, in-depth exploration of contemporary health and social issues. Political, social and economic forces at play in Canadian society are examined in relation to specific health issues and policies, in order to understand general societal and system dynamics of evolution and change, and to identify implications for reform efforts.

Prerequisite: HST209H1, HST211H1

Exclusion: UNI310H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

HST330H1 - Population Health

Previous Course Number: UNI330H1

Hours: 24L

Extends students' understanding of population-based strategies of health promotion in Canada. Topics include: variations in health status as affected by population patterns, class, gender, ethnicity, employment, and family composition; major causes of morbidity and mortality; the concept of "community health", opportunities and constraints facing public policy.

Prerequisite: HST209H1, HST250H1

Exclusion: UNI330H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

HST350H1 - Health Research & Practice

Previous Course Number: UNI350Y1, HST350Y1

Hours: 36S

For students enrolled in the Health Studies Specialist and Major programs. Students engage in activities that will prepare them for independent research and practicum projects. Includes, but not limited to, sessions on topic selection and program development, finding a supervisor, ethics and professionalism, formulating a grant proposal.

Prerequisite: HST250H1

Exclusion: UNI350Y1, HST350Y1

Distribution Requirements: Social Science

HST373H1 - Epidemiology

Previous Course Number: UNI373H1

Hours: 36L

Introduces students to the principles and methods of epidemiology. Emphasis on descriptive methods and study design. Computational techniques, measurement problems, and issues that surround the drawing of inferences from area-level or other aggregate data will be discussed.

Prerequisite: STA220H1 or equivalent

Exclusion: HMB342H1, UNI373H1

Distribution Requirements: Social Science

Breadth Requirements: The Physical and Mathematical Universes (5)

HST400Y1 - Health Studies Practicum

Hours: 172P/24S

Individual field placement with a health-related institution or organization, in which the student applies theory and skills to specific projects and/or tasks. Culminates in an oral and written report. Not eligible for CR/NCR option.

Prerequisite: HST350Y1, permission of the Director

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

HST405H1 - Global Migration and Health**Previous Course Number:** HST307H1**Hours:** 24L

Over the past decades, economic globalization, widening socio-economic inequities, conflict, natural disasters, environmental degradation, and, more recently, climate change have combined to become increasingly significant forces shaping global migration fluxes. This course analyzes the impact of migration on the health of those who move and of individuals, communities and entire societies in countries of origin, transit, arrival, and resettlement. It adopts an interdisciplinary approach, incorporating scholarly work from the fields of public health, the social sciences, law, and human rights.

Prerequisite: HST209H1**Exclusion:** HST307H1 (Special Topics in Health Studies I: Globalization, Migration and Health), offered in Winter 2017, Winter 2018, and Winter 2019**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**HST407H1 - Special Topics in Advanced Health Studies I****Hours:** 24L

The specific content of this course will vary from one year to another, depending on the availability of particular health researchers and scholars. Specific course information will be available on the Health Studies website at www.uc.utoronto.ca/healthstudies/.

HST409H1 - Special Topics in Advanced Health Studies II**Hours:** 24S

The specific content of this course will vary from one year to another, depending on the availability of particular health researchers and scholars. Specific course information will be available on the Health Studies website at www.uc.utoronto.ca/healthstudies/.

Exclusion: UNI409H1**Distribution Requirements:** Social Science**HST410H1 - Case Studies in Health Policy
(formerly UNI408H1)****Hours:** 36S

Analyses the formation and implementation of health policy through the use of case studies. Each case deals with a substantive health policy issue. Using case studies, students will learn to understand and analyze the processes by which public policies are formed, and perform comparisons of policy alternatives.

Prerequisite: HST211H1**Exclusion:** UNI408H1, HST408H1**Recommended Preparation:** HST310H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**HST411H1 - Political Economy of Health****Previous Course Number:** UNI411H1**Hours:** 36S

Examines the production and distribution of health and illness within and across populations. A political economy approach is used to better understand the fundamental origins of health inequalities, the political action that is required to tackle them, and the obstacles that hinder the possibilities for such action.

Prerequisite: HST209H1**Exclusion:** UNI411H1**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**HST440H1 - Health & Pharmaceuticals****Previous Course Number:** UNI440H1**Hours:** 24L

A critical examination of drug development, including the role of health professionals and the pharmaceutical industry in researching, testing, marketing, licensing, and evaluating pharmaceutical drugs. Topics include the differing needs for drug development, evaluation and dispensing in lower income countries, and potential conflicts of interest in drug development.

Prerequisite: HST209H1/ HMB303H1**Exclusion:** UNI440H1, UNI330H1 (Health & Pharmaceuticals) taken prior to 2010-11**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)

HST450Y1 - Undergraduate Health Research Project

Previous Course Number: UNI450Y1
Hours: TBA

Final culminating project for students in the Health Studies Specialist. Students will prepare an undergraduate thesis by the end of the course under the supervision of a University of Toronto faculty member. Not eligible for CR/NCR option.

Prerequisite: HST250H1, STA220H1, HST350Y1
Exclusion: UNI450Y1
Distribution Requirements: Social Science

HST480H1 - Independent Research in Health Studies

Previous Course Number: UNI480H1
Hours: TBA

This one-semester course will permit students to gain academic credit for health studies pursued independently, or to participate in an ongoing health research project, under the supervision of a University of Toronto faculty member. Not eligible for CR/NCR option.

Prerequisite: HST209H1, HST250H1
Exclusion: UNI480H1
Recommended Preparation: HST350Y1
Distribution Requirements: Social Science

HST451Y1 - Independent Research in Health Studies

Previous Course Number: UNI451Y1
Hours: TBA

This two-semester course designation will permit students to gain academic credit for health studies pursued independently, or to participate in an ongoing health research project, under the supervision of a University of Toronto faculty member. Not eligible for CR/NCR option.

Prerequisite: HST209H1, HST250H1
Exclusion: UNI451Y1
Recommended Preparation: HST350Y1
Distribution Requirements: Social Science

JSU237H1 - Introduction to HIV/AIDS: Health, Sexuality and Gender (formerly UNI237H1)

Hours: 24L

A critical examination of the HIV/AIDS global pandemic from a multidisciplinary perspective and with an emphasis on sexuality. The course examines the basic biology of HIV/AIDS and then covers social, historical, political, cultural, gender, and public health aspects of HIV/AIDS. Attention is given to the distinct features of vulnerable and marginalized populations, prevention, treatment, drug development, and access to medicines.

JSU237H1 is particularly intended for students in the Health Studies and/or Sexual Diversity Studies programs.

Distribution Requirements: Social Science
Breadth Requirements: Society and its Institutions (3)

HST464H1 - The Nature of International Health

Previous Course Number: UNI464H1
Hours: 24L

Explores the historical, ideological, economic, political, and organizational factors that shape the theory and practice of international health (IH). Students will be encouraged to critically examine some of the central tensions embedded in this field.

Prerequisite: HST209H1/ HMB303H1
Exclusion: UNI464H1
Distribution Requirements: Social Science
Breadth Requirements: Society and its Institutions (3)

PHS100H1 - Global Health Grand Opps

Hours: 24L/24T

This course introduces students to basic public health-related concepts, significant aspects of the historical development of global health, and a selection of topics illustrating the broad and evolving nature of this field. In addition, it helps students explore the contributions that various disciplines/fields offer to global health.

Distribution Requirements: Social Science
Breadth Requirements: Society and its Institutions (3)

PHS300H1 - HIV Prevention Research**Hours:** 24L

This course engages students in in-depth learning about HIV research. In addition to learning about methods and issues from a variety of research disciplines as applied to HIV, students will be expected, with guidance, to design a study relevant to the content of the course.

Recommended Preparation: STA220H1 or equivalent**Distribution Requirements:** Science; Social Science**Breadth Requirements:** Society and its Institutions (3)**JUM205H1 - Mathematical Personalities****Hours:** 24L/12T

An in-depth study of the life, times and work of several mathematicians who have been particularly influential. Examples may include Newton, Euler, Gauss, Kowalewski, Hilbert, Hardy, Ramanujan, Gödel, Erdős, Coxeter, Grothendieck. (Offered every three years)

JUM205H1 is particularly suited as a Science Distribution

Requirement course for Humanities and Social Science students.

Exclusion: JUM105H1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**Other University College Courses****JUM202H1 - Mathematics as an Interdisciplinary Pursuit****Hours:** 24L/12T

A study of the interaction of mathematics with other fields of inquiry: how mathematics influences, and is influenced by, the evolution of science and culture. Art, music, and literature, as well as the more traditionally related areas of the natural and social sciences may be considered. (Offered every three years)

JUM202H1 is particularly suited as a Science Distribution Requirement course for Humanities and Social Science students.**Exclusion:** JUM102H1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**JUM203H1 - Mathematics as a Recreation****Hours:** 24L/12T

A study of games, puzzles and problems focusing on the deeper principles they illustrate. Concentration is on problems arising out of number theory and geometry, with emphasis on the process of mathematical reasoning. Technical requirements are kept to a minimum. A foundation is provided for a continuing lay interest in mathematics. (Offered every three years)

JUM203H1 is particularly suited as a Science Distribution Requirement course for Humanities and Social Science students.**Exclusion:** JUM103H1**Distribution Requirements:** Science**Breadth Requirements:** The Physical and Mathematical Universes (5)**UNI299Y1 - Research Opportunity Program****Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**UNI393Y1 - University College Independent Studies****Hours:** TBA

An opportunity to design an independent research course of study at the 300 level not otherwise available within the Faculty. Normally, students will have a minimum cGPA of 3.0 and have completed 10 FCEs. Permission of a faculty supervisor and approval by the Vice-Principal are required. Those registered in a UC program or UC-registered students should submit a written proposal and application form to the Programs Office (UC173) for approval. Applications for Y and F courses are due by 30 June prior to the academic year; S courses to be submitted by 15 September; Summer proposals are due by 15 February. Not eligible for CR/NCR option.

Application form is available at the University College website at www.uc.utoronto.ca/

Prerequisite: Permission of University College Vice-Principal

UNI394H1 - University College Independent Studies

Hours: TBA

An opportunity to design an independent research course of study at the 300 level not otherwise available within the Faculty. Normally, students will have a minimum cGPA of 3.0 and have completed 10 FCEs. Permission of a faculty supervisor and approval by the Vice-Principal are required. Those registered in a UC program or UC-registered students should submit a written proposal and application form to the Programs Office (UC173) for approval. Applications for Y and F courses are due by 30 June prior to the academic year; S courses to be submitted by 15 September; Summer proposals are due by 15 February. Not eligible for CR/NCR option.

Application form is available at the University College website at www.uc.utoronto.ca/.

Prerequisite: Permission of University College Vice-Principal

UNI496H1 - University College Independent Studies

Hours: TBA

An opportunity to design an independent research course of study at the 400 level not otherwise available within the Faculty. Normally, students will have a minimum cGPA of 3.0 and have completed 15 FCEs. Permission of a faculty supervisor and approval by the Vice-Principal are required. Those registered in a UC program or UC-registered students should submit a written proposal and application form to the Programs Office (UC173) for approval. Applications for Y and F courses are due by 30 June prior to the academic year; S courses to be submitted by 15 September; Summer proposals are due by 15 February. Not eligible for CR/NCR option.

Application form is available at the University College website at www.uc.utoronto.ca/.

Prerequisite: Permission of University College Vice-Principal

UNI399Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

UNI495Y1 - University College Independent Studies

Hours: TBA

An opportunity to design an independent research course of study at the 400 level not otherwise available within the Faculty. Normally, students will have a minimum cGPA of 3.0 and have completed 15 FCEs. Permission of a faculty supervisor and approval by the Vice-Principal are required. Those registered in a UC program or UC-registered students should submit a written proposal and application form to the Programs Office (UC173) for approval. Applications for Y and F courses are due by 30 June prior to the academic year; S courses to be submitted by 15 September; Summer proposals are due by 15 February. Not eligible for CR/NCR option.

Application form is available at the University College website at www.uc.utoronto.ca/.

Prerequisite: Permission of University College Vice-Principal

Victoria College

Faculty List

Professors Emeriti

A. Baines, MD, PhD
V. Falkenheim, PhD

Professors

K.R. Bartlett, MA, PhD
K. Bickmore, MA, PhD
E. Cazdyn, PhD (Distinguished Professor)
M. Chazan, MPhil, PhD
D.B. Cook, MA, PhD
M. Danesi, MA, PhD, FRSC
K. Eisenbichler, MA, PhD, Commend. OMRI, FRSC
A. Esterhammer, PhD, FRSC
P.W. Gooch, MA, PhD
I. Kalmar, MA, PhD (Hon. Newton W. Rowell Professor)
E.M. Kavaler, MA, PhD
N. Krementsov, MSc, PhD
S.J. Rupp, MA, MPhil, PhD

Associate Professors

B. Baigrie, PhD
M. Bourgeios, MTS, PhD
P. Cohen, PhD
R. Davidson, MA, PhD
K. Derry, MA, PhD
E.-L. Jagoe, MA, PhD
A. Komaromi, MA, PhD
C. Krmpotich, MA, DPhil
A. McQuibban, PhD (James and Anne Nethercott Professor)
A. Motsch, PhD
W. Robins, MPhil, PhD
M. Scarci, PhD (Associate Professor, Teaching Stream)
A. Urbancic, MA, PhD (Mary Rowell Jackman Professor)

Assistant Professors

H. Barseghyan, PhD
S. Dowling, MA, PhD
P. Granata, PhD
E. Istrate, PhD (Assistant Professor, Teaching Stream)
R. Kijima, PhD
I. Mihalache, MA, PhD
S. Ross, PhD (Assistant Professor, Teaching Stream)
M. Teramura, AM, PhD
I. Wells, PhD

Senior Lecturer

A. Moritz, MA, PhD (Blake C. Goldring Professor of the Arts and Society)

Lecturers

J. Papayiannis, MA, PhD
C. Sutton, MA, MA, PhD

Visiting Professors and Special Lecturers

J. Bernrose
W. Cecil BA, LLD
J. Faflak, MA, PhD
L. Geng, PhD
C. Gibb, DPhil
D. Gilmour
A. Lawless, MA, PhD
M. Mercuri, MSc, PhD
B. Meyer, MA, PhD
B. Rae, PC, CC, OOnt, QC (David and Anne Wilson Distinguished

Professor of Public Policy)
D. Wright, BSc, MBA (Kenneth and Patricia Taylor Distinguished Professor of Foreign Affairs)

Introduction

Victoria College (Vic) is committed to providing students with a personal and inclusive university experience inside and outside the classroom. This is an environment where students and faculty are engaged in building a community that welcomes diversity, embraces creativity and is energized by challenge.

At Vic, we nurture a close-knit learning environment from the very beginning of your academic career. Whether it is through our Vic One program, Vic One Hundred or the First-Year Foundation (FYF) courses offered by the Faculty of Arts and Science, every first-year Victoria College student takes at least one small seminar course. You will experience here the academic advantages of being a student at one of Canada's leading research universities combined with the intimacy of a small liberal arts college.

More information is found on the [Victoria College website](#).

Vic One

Victoria College offers first-year Arts and Science students an opportunity for a unique educational experience that draws upon the College's history and identity. Eight streams with differing emphases are available in this foundation year program, known as Vic One. The eight streams feature lively seminars and dialogue, and are enriched by weekly plenary sessions with guest professors, visiting artists, writers, ambassadors and other public figures.

Two required courses in each stream are seminar courses given by faculty of Victoria College. They have a limited enrolment of 25 students in each class. A third co-requisite course is listed with each course description. Students who have questions about their Vic One co-requisite course must contact the Vic One Liaison Officer at vic.one@utoronto.ca.

Vic One enrolment requires an application that is found on the Vic One website (www.vic.utoronto.ca). All first-year students in the Faculty of Arts and Science (St. George campus), regardless of college membership, are eligible for admission to Vic One. Admission decisions are based on extra-curricular activities, a short original essay and the student's entering grades.

PLEASE NOTE: Vic One students are NOT eligible to enrol in Vic One Hundred courses, First-Year Foundations seminars or any other One program.

Vic One Hundred: First Year Seminars

Vic One Hundred is a Victoria College initiative that offers first-year Arts and Science students the opportunity to experience a small class environment. These limited enrolment courses facilitate close contact with distinguished teaching faculty and fellow students, while providing an excellent gateway to, and foundation for, subsequent studies.

Enrolment in a first-year seminar course (Vic One Hundred or First-Year Foundations) is limited to 1.0 FCE. Students may take a combination of Vic One Hundred and FYF seminars as long as enrolment does not exceed 1.0 FCE.

Combined Degree Program (CDP) in Arts/Science and Education (Victoria College and Ontario Institute for Studies in Education)

The Combined Degree Program in Arts/Science and Education is designed for students interested in studying the intersections of teaching subjects and Education, coupled with professional teacher preparation. Students earn an Honours Bachelor's degree from the Faculty of Arts and Science (St. George) and an accredited professional Master of Teaching (MT) degree from the Ontario Institute for Studies in Education (OISE). The CDP permits the completion of both degrees in six years with 1.0 FCE that may be counted towards both the undergraduate and graduate degrees.

Program requirements:

1. Minor in Education and Society, Victoria College
2. Major in one of the following areas, corresponding to the first teaching subject:

- English
- History
- Mathematics
- Psychology
- Sociology

3. Minor in an area corresponding to the second teaching subject as determined by OISE. See the teaching subject prerequisites for Junior/Intermediate and Senior/Intermediate teaching.

Application Process

Applicants apply successively to the H.B.A./H.B.Sc. program, the MT program, and the CDP. See the department/college page for admission requirements in the relevant Major and Minor programs.

In the Spring term of Year 3 of the Bachelor program, students apply at OISE for **conditional admission to the MT. To be considered for conditional admission to the Master of Teaching and the Combined Degree Program**, students must meet the following admission requirements:

- Have completed or be on course to complete the Education and Society Minor Program (Victoria College)
- Be registered in the 3rd year of the H.B.Sc. or H.B.A. Degree Program, in one of the above listed major programs.
- Have completed at least half of the teaching subjects prerequisite courses (i.e. 3.0 FCEs in 1st teaching subject, and 1.5 FCE in 2nd teaching subject) by the end of third year.
- Have an average grade equivalent of at least B+, normally demonstrated by an average grade in the 2nd year.
- Provide at least two letters of reference.
- Meet other qualifications as specified by the MT program.

See: http://www.oise.utoronto.ca/mt/How_To_Apply.html

Once students have accepted a conditional offer of admission to the MT program, they will be eligible to take 1.0 graduate FCE at OISE in their fourth year, which will count towards both the undergraduate degree and the Master of Teaching degree.

If the student does not meet the above conditions, the offer of conditional admission to the Combined Degree Program will be

rescinded. Students in this position could apply separately to the Master of Teaching outside of the Combined Degree Program.

For students to be given **full, unconditional admission to the MT program**, they must:

- Maintain at least a B+ (3.3) average in their final year or over senior courses.
- Achieve a grade of at least B+ average in the 1.0 graduate FCE taken in Year 4.
- Have completed required courses to meet the first and second teaching subjects.
- Successfully complete the requirements for the H.B.Sc./H.B.A. program.
- Have the undergraduate degree confirmed.

Academic Path to Completion for the CDP

Year 1-4: H.B.Sc./H.B.A program and degree requirements

Year 4: 1.0 FCE in the MT graduate courses

Year 5-6: 9 FCEs of the MT program requirements

Enquiries: vic.academics@utoronto.ca; 416-585-4441

Creative Expression and Society Program

The Minor in Creative Expression and Society allows students to develop creative and communicative proficiency by taking part in one or more workshop-style courses in fiction, non-fiction, or poetry writing and/or creative expression through aural and visual media. Students will also explore the reciprocal relationship of the creative arts and society by studying social issues in the arts, the influence of writers and artists on society, and the impact of society and the marketplace on creative endeavours. Courses explore such topics as the arts and public opinion; reception and interpretation; marketing and reviewing; censorship and criticism; ethics and accountability. This program fosters the exercise of creativity while making the relationship of creative expression and social conditions a subject for reflection and dialogue.

Education and Society Program

The Vic-sponsored Education and Society Minor is open to all Arts and Science students. This program is for those who are interested in education policy, the sociology of education, and teaching as a skill that is relevant to many careers. The Minor program provides strong background for admission to a teacher education program and is required for admission to the Combined Degree Program with OISE (separate application required, see above)."

Literature and Critical Theory Program

The Literature and Critical Theory program (formerly Literary Studies) is based on a pair of ideas. The first is that many of the most important issues that engage our attention call for a multidisciplinary approach. The second is that the kind of critical analysis demanded by the study of literary texts offers powerful tools for investigating other cultural and social forms, both past and present. Central to the program is the comparative study of forms of representation – texts, media, institutions, and theories — in diverse cultures and historical periods. This requires thinking seriously about what it means to compare and what it means to translate.

The Literature and Critical Theory program will attract students who are interested in exploring and generating links between literature and historical, cultural, political, social, and psychological forces. The program trains students to think about how problems of the

present are tied to those of the past, and to consider critically how we both represent this past and imagine possible futures. Students will be engaged in the practice of close, contextualized analyses of literary texts and other discursive forms, including artefacts, institutions and social practices, originating in different languages, geographical locations, and historical periods.

Literary production, like all forms of cultural production, invariably exceeds the boundaries of the nation, and increasingly so in today's globalized world. The boundaries between various cultural media are similarly porous, and the aesthetic values by which we identify, judge, and classify literary and cultural objects are historically shaped. For these reasons, students will be encouraged to study in more than one language and to work with a variety of media. Our courses explore literary and cultural movements across languages, geographical regions, epochs, media, and disciplines.

Material Culture Program

What does it mean to live in a "material world"? What might we learn from studying the things that surround us? In an increasingly consumer-oriented, globalized and digital age, how do objects express the longstanding beliefs and values of different societies? Material culture is the study of objects – clothing, household goods, machinery, built forms – that show signs of human influence. The program engages students in the study of material culture (tangible things, broadly defined); supports research projects which originate with studies of artefacts; and fosters trans-disciplinary and inter-institutional dialogues amongst students, scholars, stewards and purveyors of material culture – within the university and at a range of cultural agencies. We examine the meanings people invest in their things, across cultures and time periods, and consider processes of production and consumption, including moments of invention, exchange, use, re-use, divestment, disposal, and collection. Students will work with curators and other professionals to analyze the social and cultural relevance of objects as part of understanding of a culture or society. The Minor is designed to complement programs in such disciplines as Asian Studies, Near and Middle Eastern Studies, Geography, History, Art, History of Science and Technology, Semiotics, Renaissance Studies, and Anthropology.

Renaissance Studies Program

The Renaissance Studies Program lets you study one of the most critical periods in European and world history. Changes in art and literature, in social and political development, and in technology and science transformed European concepts of the individual, society, and the world.

Many aspects of our modern world had their origin in this period: our emphasis on the study of human affairs; our irrepressible interest in the exploration of the universe, in science, and in medicine; the institutions of church and state as we know them today. The Renaissance is also a period of unparalleled European contacts with non-European civilizations – from the powerful Islamic world of the Near East and North Africa to the great pre-Columbian civilizations of the Americas, from the uncharted forests of equatorial Africa to the exotic lands of the Indian subcontinent and the Far East, nothing seemed too distant or too inaccessible for the European mind or merchant.

This interdisciplinary program is particularly attractive to students of history, politics, literature, fine art, history of science, music and theatre, because it assembles aspects of all these studies to focus on one seminal period in Western civilization.

Science and Society Program

The Science and Society program studies the complex, interdependent relationship between science, technology, and society. The influence of scientific research and its applications is evident in virtually all aspects of modern life, from our conception of societal obligation and familial relations, to our interaction with the commonplace materials and objects we use to sustain ourselves. However, scientific and technological development is in turn affected by and shaped by politics, public opinion, moral beliefs and cultural practices.

Courses in this program explore topics such as ethical uses of technology, scientific revolutions and controversies, science-related policy and politics, modeling and communication of scientific research, and knowledge transfer from research to commercial and societal applications.

Semiotics and Communication Studies Program

Semiotics is the science of communication and sign systems, in short, of the ways people understand phenomena and organize them mentally, and of the ways in which they devise means for transmitting that understanding and for sharing it with others. Although natural and artificial languages are therefore central to semiotics, its field covers all non-verbal signalling and extends to domains whose communicative dimension is perceived only unconsciously or subliminally. Knowledge, meaning, intention and action are thus fundamental concepts in the semiotic investigation of phenomena.

Victoria College Programs

Literature and Critical Theory Specialist in the Comparative Literature Stream (Arts Program) - ASSPE1026

Completion Requirements:

(12.5 FCE, including at least 3.0 FCE at 300-level and 1.0 FCE at 400-level)

1. First year in program: VIC202Y1
2. First or second year in program: VIC203H1, VIC205H1

Second or higher years in program:

3. 3.5 FCE from VIC204H1, VIC301H1, VIC302H1, VIC303H1, VIC304H1, VIC305H1, VIC306H1, VIC307H1, VIC308H1, VIC401H1/ VIC401Y1, VIC403H1, VIC494H1/ VIC494Y1.
4. 0.5 FCE in Breadth Requirement Category 5: The Physical and Mathematical Universes, or another half course approved by the program director, to fulfill the Quantitative Reasoning competency required in the program.
5. VIC402H1
6. 6.0 FCE in languages or literatures drawn from other departments. At least 4.0 of these involve reading texts in

a language other than English, including at least 2.0 at the 300+ level. These courses must be pre-approved by the program coordinator to ensure they will be counted towards this program of study.

Literature and Critical Theory Specialist in the Cultural Theory Stream (Arts Program) - ASSPE1023

Completion Requirements:

(12.5 FCE, including at least 3.0 FCE at 300-level and 1.0 FCE at 400-level)

1. First year in program: VIC202Y1
2. First or second year in program: VIC203H1, VIC205H1

Second or higher years in program:

3. 3.5 FCE from VIC204H1, VIC301H1, VIC302H1, VIC303H1, VIC304H1, VIC305H1, VIC306H1, VIC307H1, VIC308H1, VIC401H1/ VIC401Y1, VIC403H1, VIC494H1/ VIC494Y1,
4. 0.5 FCE in Breadth Requirement Category 5: The Physical and Mathematical Universes, or another half course approved by the program director, to fulfill the Quantitative Reasoning competency required in the program.
5. VIC402H1
6. 4.0 FCE in ONE other discipline – African Studies, Anthropology, Caribbean Studies, Cinema Studies, Classics, Drama, East Asian Studies, Equity Studies, Fine Art, History, Music, Political Science, Philosophy, Psychology, Sociology, Women and Gender Studies, and other departments as approved by the program coordinator.
7. 2.0 FCE in a language other than English, including at least 1.0 at the 300+ level.

Renaissance Studies Specialist (Arts Program) - ASSPE0532

Completion Requirements:

(10 FCE, including at least 3.0 FCE at 300-level and 1.0 FCE at 400-level):

1. 3.0 FCE from: VIC240Y1, VIC241Y1, VIC242H1, VIC341H1, VIC342H1, VIC343Y1, VIC344H1, VIC338H1, VIC345H1, VIC346H1, VIC347H1, VIC348Y0, VIC349H1, VIC349Y1, VIC392H1/ VIC392Y1, VIC441H1, VIC442H1, VIC449H1/ VIC449Y1, VIC492H1/ VIC492Y1
2. 1.0 FCE in Literature from: ENG220Y1, ENG301H1, ENG302Y1, ENG303H1, ENG304Y1, ENG330H1, ENG331H1, ENG335H1, ENG336H1; FRE319H1, FRE320H1; ITA200H1, ITA249H1, ITA300H1, ITA312H1, ITA325H1, ITA332H1, ITA356Y0, ITA357Y0, ITA370H1, ITA400H1, ITA420H1, ITA431H1; SPA352H1, SPA368H1, SPA452H1, SPA454H1
3. 1.0 FCE in History: HIS243H1, HIS301H1, HIS308H1, HIS309H1, HIS319H1, HIS357Y1, HIS362H1, HIS368H1, HIS403H1, HIS438H1, HIS443H1
4. 1.0 FCE in Art from: FAH230H1, FAH330H1, FAH331H1, FAH333H1, FAH335H1, FAH337H1, FAH338H1,

FAH340H1, FAH341H1, FAH344H1, FAH370H1, FAH371H1, FAH393Y0, FAH430H1, FAH432H1, FAH433H1, FAH434H1, FAH435H1, FAH436H1, FAH440H1, FAH470H1

5. 1.0 FCE in a Research Course (a 299Y1, 399Y1, on a Renaissance Studies topic, or VIC392H1/ VIC392Y1, VIC492H1/ VIC492Y1)
6. 2.0 FCE in a language relevant to Renaissance Studies – French, Italian, Spanish, Portuguese, Latin, German (only one may be at the introductory level).
7. VIC440Y1

Literature and Critical Theory Major in the Comparative Literature Stream (Arts Program) - ASMAJ1026

Completion Requirements:

(7.5 FCE, including at least 1.5 FCE at 300-level and 0.5 FCE at 400-level)

1. First year in program: VIC202Y1
2. First or second year in program: VIC203Y1

Second or higher years in program:

3. 2.5 FCE from VIC204H1, VIC301H1, VIC302H1, VIC303H1, VIC304H1, VIC305H1, VIC306H1, VIC307H1, VIC308H1, VIC401H1/ VIC401Y1, VIC403H1, VIC494H1/ VIC494Y1
4. 0.5 FCE in Breadth Requirement Category 5: The Physical and Mathematical Universes, or another half course approved by the program director, to fulfill the Quantitative Reasoning competency required in the program.
5. VIC402H1
6. 2.0 FCE in a language or literature drawn from other departments, where texts are read in a language other than English. At least 1.0 FCE must be at the 300+ level. These courses must be pre-approved by the program coordinator to ensure they will be counted towards this program of study.

Literature and Critical Theory Major in the Cultural Theory Stream (Arts Program) - ASMAJ1023

Completion Requirements:

(7.5 FCE, including at least 1.5 FCE at 300-level and 0.5 FCE at 400-level)

1. First year in program: VIC202Y1
 2. First or second year in program: VIC203H1, VIC205H1
- Second or higher years in program:
3. 2.5 FCE from VIC204H1, VIC301H1, VIC302H1, VIC303H1, VIC304H1, VIC305H1, VIC306H1, VIC307H1,

- VIC308H1, VIC401H1/ VIC401Y1, VIC403H1, VIC494H1/
VIC494Y1
4. 0.5 FCE in Breadth Requirement Category 5: The Physical and Mathematical Universes, or another half course approved by the program director, to fulfill the Quantitative Reasoning competency required in the program.
 5. VIC402H1
 6. 1.0 FCE in ONE other discipline – African Studies, Anthropology, Caribbean Studies, Cinema Studies, Classics, Drama, East Asian Studies, Equity Studies, Fine Art, History, Music, Political Science, Philosophy, Psychology, Sociology, Women and Gender Studies, and other departments as approved by the program coordinator.
 7. 1.0 FCE in a language other than English at the 200+ level.

Renaissance Studies Major (Arts Program) - ASMAJ0532

Completion Requirements:

(6 FCE, including at least 2.0 FCE at 300+ level)

1. 2.0 FCE from: VIC240Y1, VIC241Y1, VIC242H1, VIC338H1, VIC341H1, VIC342H1, VIC343Y1, VIC344H1, VIC345H1, VIC346H1, VIC347H1, VIC348Y0, VIC349H1/
VIC349Y1, VIC392H1/ VIC392Y1, VIC441H1, VIC442H1, VIC449H1/ VIC449Y1, VIC492H1/ VIC492Y1
2. 1.0 FCE in Literature from: ENG220Y1, ENG301H1, ENG302Y1, ENG303H1, ENG304Y1, ENG330H1, ENG331H1, ENG335H1, ENG336H1; FRE319H1, FRE320H1; ITA200H1, ITA249H1, ITA300H1, ITA312H1, ITA325H1, ITA332H1, ITA356Y0, ITA357Y0, ITA370H1, ITA400H1, ITA420H1, ITA431H1; SPA352H1, SPA368H1, SPA452H1, SPA454H1
3. 1.0 FCE in History: HIS243H1, HIS301H1, HIS308H1, HIS309H1, HIS319H1, HIS357Y1, HIS362H1, HIS368H1, HIS403H1, HIS438H1, HIS443H1
4. 1.0 FCE in Art from: FAH230H1, FAH330H1, FAH331H1, FAH333H1, FAH335H1, FAH337H1, FAH338H1, FAH340H1, FAH341H1, FAH344H1, FAH370H1, FAH371H1, FAH393Y0, FAH430H1, FAH432H1, FAH433H1, FAH434H1, FAH435H1, FAH436H1, FAH440H1, FAH470H1
5. VIC440Y1

Creative Expression and Society Minor (Arts Program) - ASMIN2741

Completion Requirements:

4.0 FCE including at least 1.0 FCE at the 300+level, with a maximum of 1 FCE at the 100 level. Up to 1.0 FCE may be chosen from approved courses offered by other departments (see list of Cognate Courses).

1. At least 1.0 FCE from Group A – Creative Expression: VIC273H1, VIC275H1, VIC279H1, VIC280H1, VIC350Y1, VIC370H1, VIC470H1, VIC479Y1, VIC480H1, IVP210H1. Students who achieve at least 77% in the Vic One course VIC191Y1 may count that course toward the Minor and use it to fulfill this requirement.

2. At least 1.0 FCE from Group B – Social Contexts and Interpretation: VIC209H1, VIC223Y1, VIC235H1, VIC270H1, VIC271H1, VIC281H1, VIC320Y1, VIC335H1, VIC352Y1, VIC371H1, VIC372H1, VIC373H1. Students who achieve at least 77% in the Vic One course VIC190Y1 may count that course toward the Minor and use it to fulfill this requirement.
3. Up to 1.0 FCE from Cognate Courses: INS300Y1, CIN201Y1, EAS349H1, ENG287H1, ENG389Y1, DRM428H1, FAH352H1, FAH377H1, INI211H1, INI311Y1, MUS211H1, SMC219Y1, SMC229H1, SMC317H1, SMC319H1

Education and Society Minor (Arts Program) - ASMIN1029

Completion Requirements:

The Vic-sponsored Education and Society Minor is open to all Arts and Science students. This program is for those who are interested in education, either as a skill that will prepare you for many occupations, or as a strong background for admission to a teacher education program, such as the Combined Degree Program with OISE (separate application required, see below) or another consecutive teacher education program.

Entry Requirement:

Interested students can apply every spring for September entry into the program.

This is a limited entry program. Meeting the minimum requirements does not guarantee admission to the program.

Applicants **MUST** have completed the following in order to apply:

- PSY100H1 with a minimum grade of 70
- obtain a grade of 73 or greater in at least 3 FCE
- Minimum of 4.0 Full Course Equivalents (FCE)

Program Requirements

(4.0 FCE including at least 1.0 FCE at 300+ level)

1. PSY100H1
2. All of: VIC260H1, VIC261H1, VIC262H1
3. VIC360H1/ VIC360Y1
4. VIC355H1/ VIC362H1
5. One FCE from: VIC361Y0, VIC363H1, VIC368H1, VIC369H1, or a course related to Education and Society at the 300+ level selected from the offerings in Sociology, Anthropology or Geography (Arts).

Literature and Critical Theory Minor (Arts Program) - ASMIN0539

Completion Requirements:

(4.0 FCE, including at least 1.0 FCE at 300+ level)

1. VIC202Y1

2. 3.0 FCE from: VIC203H1, VIC204H1, VIC205H1, VIC301H1, VIC302H1, VIC303H1, VIC304H1, VIC305H1, VIC306H1, VIC307H1, VIC308H1, VIC401H1/ VIC401Y1, VIC402H1, VIC403H1, VIC494H1/ VIC494Y1

Material Culture Minor (Arts Program) - ASMIN2729

Completion Requirements:

(4.0 FCE including at least 1.0 FCE at the 300+ level)

1. VIC224Y1/ VIC225Y1
2. 2.5 FCE from VIC224Y1/ VIC225Y1 (if not used to fulfill requirement 1), VIC229H1, VIC229Y1, VIC326H1, VIC327H1, VIC328H1, VIC329H1, VIC329Y1, VIC373H1, VIC429H1 or cognate courses, with at least 0.5 FCE at the 300+ level. No more than 1.0 FCE may be chosen from the list of cognate courses.
3. VIC444H1

Cognate courses:

ANT349H1, ANT372H1, ANT412H1, ANT457H1, ARH309H1, EAS219H1, EAS297H1, EAS354H1, EAS406Y1, EAS412H1, FAH205H1, FAH319H1, FAH338H1, FAH353H1, FAH436H1, FAH463H1, FAH480H1, FAH483H1, FAH484H1, HIS302H1, HIS310H1, HIS358H1, HIS463H1, HIS484H1, HPS202H1, HPS401H1, HPS430H1, HPS431H1, NMC264H1, NMC394H1, NMC464H1, RLG305H1, RLG307H1. Students who achieve at least 77% in Vic One courses VIC183H1 or VIC184H1 may count one of these toward the Minor and use it to fulfill this requirement

Renaissance Studies Minor (Arts Program) - ASMIN0532

Completion Requirements:

(4 FCE, including at least 1.0 FCE at 300+ level)

1. 2.0 FCE from: VIC240Y1, VIC241Y1, VIC242H1, VIC338H1, VIC341H1, VIC342H1, VIC343Y1, VIC344H1, VIC345H1, VIC346H1, VIC347H1, VIC348Y0, VIC349H1/ VIC349Y1, VIC392H1/ VIC392Y1, VIC440Y1, VIC441H1, VIC442H1, VIC449H1/ VIC449Y1, VIC492H1/ VIC492Y1
2. 2.0 FCE in Literature, History, or Art from:

Literature: ENG220Y1, ENG301H1, ENG302Y1, ENG303H1, ENG304Y1, ENG330H1, ENG331H1, ENG335H1, ENG336H1; FRE319H1, FRE320H1, FRE441H1; ITA200H1, ITA249H1, ITA312H1, ITA325H1, ITA300H1, ITA332H1, ITA356Y0, ITA357Y0, ITA370H1, ITA400H1, ITA420H1; SPA352H1, SPA368H1, SPA452H1, SPA454H1

History: HIS243H1, HIS301H1, HIS308H1, HIS309H1, HIS319H1, HIS368H1, HIS357Y1, HIS362H1, HIS403H1, HIS438H1, HIS443H1

Art: FAH230H1, FAH330H1, FAH331H1, FAH333H1, FAH335H1, FAH337H1, FAH338H1, FAH340H1, FAH341H1, FAH344H1, FAH370H1, FAH371H1, FAH393Y0, FAH430H1, FAH432H1, FAH433H1, FAH434H1, FAH435H1, FAH436H1, FAH440H1, FAH470H1

Science and Society Minor (Arts Program) - ASMIN2743

Completion Requirements:

The Minor in Science and Society is an interdisciplinary program that focuses on the different ways science and technology shape modern society and, in turn, how society shapes science and technology. From the food we eat to the way we conceive family relations or our obligations to future generations, our daily practices and our beliefs are increasingly influenced by scientific research and its applications. In turn, politics, public opinion, moral beliefs and cultural practices affect scientific and technological development. Courses in this program address such topics as science and values, science-related policy and politics, ethical uses of technology, scientific revolutions and controversies, modeling and communication of scientific research, and knowledge transfer from research to commercial and societal applications.

(4.0 FCEs, including at least 1.0 FCE at 300+ level)

1. HPS200H1
2. 1.0 FCE from: VIC206H1, VIC207H1, VIC274H1, VIC278H1, VIC343Y1, IMC200H1, IVP210H1. Students who achieve at least 77% in the Vic One course VIC170Y1 or VIC172Y1 may count that course toward the Minor and use it to fulfill this requirement.
3. 1.0 FCE from: HPS202H1, HPS210H1, HPS211H1, HPS222H1, HPS260H1, HPS303H1, HPS307H1, HPS308H1, HPS309H1, HPS318H1, HPS319H1, HPS324H1, HPS350H1
4. An additional 0.5 FCE from program requirements 2. and 3. above.
5. An additional 1.0 FCE from program requirements 2. and 3. above and/or from the approved list of cognate courses below:
ANT353H1, ANT358H1, ANT364H1, BIO220H1, EEB215H1, ENV200H1, ETH220H1, GGR223H1, GGR321H1, HIS355H1, HIS423H1, JGE321H1, PHL273H1, PHL281H1, PHL373H1, PHL380H1, PHL381H1, PHL382H1, PHL383H1, PHL384H1, PHS300H1, PSY328H1, WGS275H1, WGS367H1

Semiotics and Communication Studies Minor (Arts Program) - ASMIN1939

Enrolment Requirements:

NOTE: This is a limited enrolment program. Admission will be determined by a student's mark in ANT100Y1/LIN100Y/(LIN101H1, LIN102H1)/ PHL100Y1/SOC101Y/(SOC102H, SOC103H/(SOC100H1, SOC150H1)/one FCE in Vic One. A final mark of 73% will be required for admission. Achieving that mark does not necessarily guarantee admission to the program in any given year.

Completion Requirements:

(4 FCE, including 1.0 FCE at the 300+ level)

1. 1.0 FCE from: ANT100Y1, LIN100Y/(LIN101H1, LIN102H1), PHL100Y1, SOC101Y/(SOC102H,

- SOC103H)/(SOC100H1, SOC150H1), one FCE in Vic One.
2. 1.0 FCE from: VIC220Y1, VIC223Y1
 3. 1.0 FCE from: VIC320Y1, VIC322H1, VIC323Y1, VIC324H1, VIC325H1
 4. 1.0 FCE from Groups A-E.

Group A: Anthropology

ANT204H1, ANT253H1, ANT322H1, ANT329H1, ANT356H1, ANT366H1, ANT425H1, ANT426H1, ANT427H1, ANT450H1; JAL328H1, JAL355H1

Group B: Linguistics

LIN200H1, LIN229H1, LIN232H1, LIN251H1, LIN333H1, LIN341H1, LIN456H1; JAL355H1; JLP315H1, JLP374H1

Group C: Philosophy

PHL200Y1, PHL201H1, PHL235H1, PHL244H1, PHL245H1, PHL285H1, PHL304H1, PHL310H1, PHL311H1, PHL317H1, PHL320H1, PHL321H1, PHL322H1, PHL325H1, PHL340H1, PHL342H1, PHL346H1, PHL351H1, PHL385H1

Group D: Psychology

PSY210H1, PSY220H1, PSY260H1, PSY270H1, PSY280H1, PSY312H1, PSY316H1, PSY320H1, PSY323H1, PSY362H1, PSY370H1, PSY371H1, PSY372H1, PSY421H1, PSY427H1, PSY434H1; JLP315H1

Group E: Other Related Area Courses

CAS414H1; CDN221H1, CIN201Y1, CIN270Y1, CIN301Y1, CIN310Y1, CIN314Y1, CIN330Y1, CIN332Y1, CIN364H1; CLA204H1, CLA219H1, CLA305H1, CLA388H1, CLA389H1; COG250Y1; DRM230Y1, ENG382Y1, ENG384Y1; FAH231H1, FAH245H1, FAH246H1, FAH270H1, FAH272H1, FAH337H1, FAH346H1, FAH348H1, FAH372H1, FAH374H1; FRE310H1; HIS374H1, HIS459H1 OR HIS460H1; HPS250H1; INI301H1, INI305H1; JUM203H1; MUS300H1, MUS306H1; NEW302Y1, NEW303H1; RLG200H1, RLG210Y1, RLG211H1, RLG212H1, RLG227H1, RLG230H1, RLG232H1, RLG233H1, RLG249H1, RLG301H1, RLG304H1, RLG305H1, RLG315H1, RLG316H1; SLA331H1, SLA495H1, SLA496H1; SMC219Y1, SMC271H1, SMC387H1, SMC392H1, SMC397H1; SOC365H1, SOC382H1, SOC388H1; VIC202Y1, VIC224Y1, VIC225Y1, VIC281H1, VIC302H1, VIC305H1, VIC306H1, VIC307H1, VIC308H1, VIC326H1, VIC343Y1, VIC345H1; WGS271Y1, WGS372H1

- ANT349H1 Anthropology and New Technologies
- ANT372H1 Cultural Property
- ANT378H1 Gift, Money, and Finance
- ANT457H1 Anthropology of Material Culture
- ARH305H1 Archaeological Interpretation
- ARH309H1 Archaeology, Ethics, and the Public
- ENG287H1 The Digital Text
- FAH101H1 Monuments of Art History
- FAH206H1 Prehistoric Aegean and East Mediterranean Art and Archaeology
- FAH207H1 Greek and Roman Art and Archaeology
- FAH215H1 Early Medieval Art and Architecture
- FAH216H1 Later Medieval Art and Architecture
- FAH230H1 Renaissance Art and Architecture
- FAH231H1 Baroque Art and Architecture
- FAH246H1 Art Since 1900
- FAH260H1 The Artistic Landscape of East Asia
- FAH262H1 Art and Visual Experience in Modern and Contemporary East Asia
- FAH270H1 Architecture: Rituals and Monuments
- FAH272H1 Modern Architecture from 1750 to the Present
- FAH303H1 Emergence of Greek Civilisation
- FAH309H1 City of Rome
- FAH318H1 Monastic Art and Architecture
- FAH327H1 Secular Art and Architecture of the Middle Ages
- FAH328H1 Gothic Cathedral
- FAH330H1 German Art and Architecture in the Age of Dürer
- FAH331H1 Netherlandish Renaissance Art and Culture
- FAH338H1 Art and Consumers in the Renaissance (1400-1700)
- FAH341H1 Venetian Renaissance Art and Architecture
- FAH348H1 The Dada and Surrealist Tradition
- FAH364H1 Visual South Asia
- FAH371H1 Architecture and Urbanism in Baroque Europe
- FAH372H1 Architecture in the Age of Historicism ca. 1750-ca. 1900
- FAH373H1 Modern Architecture Since 1890
- FAH374H1 Consequences of Modernism: Architecture after 1945
- FAH376H1 Canadian Architecture: A Survey
- FAH381H1 Problems in Jewish Art
- FAH436H1 Italian Renaissance Art, Fashion, and Material Culture
- FAH463H1 Materiality, Objecthood, Connoisseurship and Collecting in the Arts of East Asia
- FAH465H1 Exhibiting China
- FAH480H1 University Art Centre Exhibition Course
- FAH481H1 Internship
- FAH483H1 Introduction to Conservation: Materials, Deterioration, and Preservation in Art and Material Culture
- FAH484H1 Fashion, & Textiles: Culture & Consumption
- FAH485H1 Collecting Canada: Canadian Pictorial Arts Collection at the Royal Ontario Museum
- FAH486H1 Case Studies at the Royal Ontario Museum
- EAS406Y1 Thinking about Things: Material Culture in East Asia
- EAS251H1 Aesthetics and Politics in 20th Century Korea
- EAS272H1
- EAS297H1 Texts, Images and Objects in East Asia
- EAS272H1

Course Groups

Material Culture Cognate Course Group

- ANT200Y1 Introduction to Archaeology
- ANT204H1 Social Cultural Anthropology and Global Issues
- ANT311Y1 Archaeological Fieldwork
- ANT314H1 Archaeology of the Pacific Northwest
- ANT315H1 Arctic Archaeology
- ANT317H1 Archaeology of Eastern North America
- ANT320H1 Ancient Cultures of the Andes
- ANT322H1 Anthropology of Youth Culture
- ANT324H1 Tourism & Globalization
- ANT346H1 Anthropology of Food
- ANT347Y1

- [EAS297H1 Texts, Images and Objects in East Asia](#)
- [EAS378H1 Urban Life in Early Modern Japan](#)
- [EAS411H1](#)
- [EAS412H1 Technology and Material Cultures of Ancient China](#)
- [GGR107H1 Environment, Food and People](#)
- [GGR124H1 Cities and Urban Life](#)
- [GGR216H1 Global Cities](#)
- [JGI216H1 Globalization and Urban Change](#)
- [GGR220H1](#)
- [GGR221H1 New Economic Spaces](#)
- [GGR240H1 Geographies of Colonialism in North America](#)
- [GGR241H1 Geographies of Urban Social Exclusion](#)
- [GGR246H1 Geography of Canada](#)
- [GGR252H1 Marketing Geography](#)
- [GGR254H1 Geography USA](#)
- [GGR320H1 Geographies of Transnationalism, Migration, and Gender](#)
- [GGR329H1 The Global Food System](#)
- [GGR336H1 Urban Historical Geography of North America](#)
- [GGR339H1 Urban Geography, Planning and Political Processes](#)
- [GGR341H1 Changing Geography of Latin America](#)
- [GGR342H1 The Changing Geography of Southeast Asia](#)
- [GGR343H1 The Changing Geography of China](#)
- [GGR352H1 Understanding Spatiality](#)
- [GGR356H1 Recreation and Tourism](#)
- [GGR360H1 Culture, History, and Landscape](#)
- [GGR361H1](#)
- [GGR363H1 Critical Geographies: An Introduction to Radical Ideas on Space, Society and Culture](#)
- [HIS302H1 Material Culture in Victorian Britain](#)
- [HIS305H1 Popular Culture and Politics in the Modern Caribbean](#)
- [HIS310H1 Histories of North American Consumer Culture](#)
- [HIS315H1 Narratives of Viet Nam](#)
- [HIS319H1 Renaissance France and the Wars of Religion, 1483-1610](#)
- [HIS347H1 The Country House in England 1837-1939](#)
- [HIS363H1 Dynamics of Gender in Canadian History](#)
- [HIS374H1 American Consumerism - The Beginnings](#)
- [HIS387H1 France, 1610-1848](#)
- [HIS463H1 Cloth in American History to 1865](#)
- [HIS484H1 The Car in North American History](#)
- [HPS201H1 Origins of Western Technology](#)
- [HPS202H1 Technology in the Modern World](#)
- [HPS201H1 Origins of Western Technology](#)
- [HPS211H1 Scientific Revolutions II](#)
- [HPS307H1 History of Energy](#)
- [HPS313H1 Two Hundred Years of Electricity](#)
- [IVP210H1 Holography for 3D Visualization](#)
- [MST200Y1](#)
- [NCM260H1 Why the Ancient Near East? Investigating the Great Transformations in Pre- and Proto- History](#)
- [NCM360H1 Archaeology of the Biblical World I: The Bronze Age](#)
- [NCM362Y1 Ancient Egyptian Sites](#)
- [NCM363H1 Ancient Iraq](#)
- [NCM364H1 Art and Archaeology of Syria](#)
- [NCM365Y1 Archaeology of the Islamic World](#)
- [RLG305H1 Material Religion](#)
- [RLG307H1 Museums and Material Religion](#)

- [VIC348Y1](#)

Semiotics and Communication Studies

Group A: Anthropology

- [ANT204H1 Social Cultural Anthropology and Global Issues](#)
- [ANT253H1 Language & Society](#)
- [ANT322H1 Anthropology of Youth Culture](#)
- [ANT329H1 Language & Power Structure](#)
- [ANT334H1 Human Skeletal Biology](#)
- [ANT351H1 Contested Environments](#)
- [ANT356H1 Anthropology of Religion](#)
- [ANT366H1 Anthropology of Activism and Social Justice](#)
- [ANT425H1 Language in Anthropological Thought](#)
- [ANT426H1 Western Views of the Non-West](#)
- [ANT427H1 Language, Ideology, & Political Economy](#)
- [ANT450H1 Nature, Culture and the City](#)
- [JAL328H1 Writing Systems](#)
- [JAL355H1 Language and Gender](#)

Semiotics and Communication Studies

Group B: Linguistics

- [LIN200H1 Introduction to Language](#)
- [LIN229H1 Sound Patterns in Language](#)
- [LIN232H1 Syntactic Patterns in Language](#)
- [LIN333H1 Morphological Patterns in Language](#)
- [LIN341H1 Semantic Theory](#)
- [LIN456H1 Language Variation and Change: Theory and Analysis](#)
- [JAL328H1 Writing Systems](#)
- [JLP315H1 Language Acquisition](#)
- [JLP374H1 Psychology of Language](#)

Semiotics and Communication Studies

Group C: Philosophy

- [PHL200Y1 Ancient Philosophy](#)
- [PHL201H1 Introductory Philosophy](#)
- [PHL235H1 Philosophy of Religion](#)
- [PHL240H1 Persons, Minds and Bodies](#)
- [PHL243H1 Philosophy of Human Sexuality](#)
- [PHL244H1 Human Nature](#)
- [PHL245H1 Modern Symbolic Logic](#)
- [PHL285H1 Aesthetics](#)
- [PHL304H1 Aristotle](#)
- [PHL307H1 Augustine](#)
- [PHL310H1 The Rationalists](#)
- [PHL311H1 The Empiricists](#)
- [PHL314H1 Kant](#)
- [PHL315H1 Topics in 19th-Century Philosophy](#)
- [PHL316H1 Hegel](#)
- [PHL317H1 Marx and Marxism](#)
- [PHL320H1 Phenomenology](#)
- [PHL321H1 Heidegger](#)
- [PHL322H1 Contemporary Continental Philosophy](#)
- [PHL325H1 Early Analytic Philosophy](#)
- [PHL326H1](#)

- [PHL340H1 Issues in Philosophy of Mind](#)
- [PHL342H1 Minds and Machines](#)
- [PHL346H1 Philosophy of Mathematics](#)
- [PHL351H1 Philosophy of Language](#)
- [PHL385H1 Issues in Aesthetics](#)

Semiotics and Communication Studies Group D: Psychology

- [PSY210H1 Introduction to Development](#)
- [PSY220H1 Introduction to Social Psychology](#)
- [PSY260H1 Learning and Plasticity](#)
- [PSY270H1 Introduction to Cognitive Psychology](#)
- [PSY280H1 Sensation and Perception](#)
- [PSY311H1 Social Development](#)
- [PSY312H1 Cognitive Development](#)
- [PSY316H1 Perceptual Development](#)
- [PSY320H1 Social Psychology: Attitudes](#)
- [PSY323H1 Sex Roles and Behaviour](#)
- [PSY362H1 Animal Cognition](#)
- [PSY370H1 Thinking and Reasoning](#)
- [PSY371H1 Higher Cognitive Processes](#)
- [PSY372H1 Human Memory](#)
- [PSY421H1 Person Perception](#)
- [PSY434H1 Maps of Meaning: The Architecture of Belief](#)
- [JLP315H1 Language Acquisition](#)

Semiotics and Communication Studies Group E: Other Related Area Courses

- [CDN221H1 Culture and the Media in Canada](#)
- [CIN201Y1 Film Cultures I: Art and Industry](#)
- [CIN270Y1 American Popular Film Since 1970](#)
- [CIN301Y1 Film Cultures II: Politics and Global Media](#)
- [CIN310Y1 Avant-Garde and Experimental Film](#)
- [CIN330Y1 Feminist Approaches to Cinema](#)
- [CIN332Y1 Screening Race](#)
- [CIN314Y1 Genre, Narrative and Narration in Film](#)
- [CLA203H1 Science in Antiquity](#)
- [CLA204H1 Introduction to Classical Mythology](#)
- [CLA219H1 Women in Antiquity](#)
- [CLA305H1 Theories of Myth](#)
- [CLA388H1 Classical Antiquity and the Cinema](#)
- [CLA389H1 Classical Spaces: Sites and Monuments](#)
- [COG250Y1 Introduction to Cognitive Science \(formerly JUP250Y1, UNI250Y1\)](#)
- [DRM200Y1 Performance I](#)
- [DRM230Y1 Concepts of Twentieth-Century Theatre](#)
- [DRM264H1](#)
- [ENG382Y1 Literary Theory](#)
- [ENG384Y1 Literature and Psychoanalysis](#)
- [FAH231H1 Baroque Art and Architecture](#)
- [FAH245H1 Modernism and anti-Modernism, c. 1750-1900](#)
- [FAH246H1 Art Since 1900](#)
- [FAH270H1 Architecture: Rituals and Monuments](#)
- [FAH272H1 Modern Architecture from 1750 to the Present](#)
- [FAH337H1 Rivalry, Imitation and Envy in Italian Renaissance Art](#)
- [FAH346H1 Impressionism](#)

- [FAH348H1 The Dada and Surrealist Tradition](#)
- [FAH372H1 Architecture in the Age of Historicism ca. 1750-ca. 1900](#)
- [FAH374H1 Consequences of Modernism: Architecture after 1945](#)
- [HIS316H1 Competing Colonialism in Northeast China The Harbin Experiment](#)
- [HIS374H1 American Consumerism - The Beginnings](#)
- [HIS375H1 Politics and Protest in Postwar North America](#)
- [HIS459H1 Soviet History and Film, 1921-1946](#)
- [HIS460H1 Soviet History and Film, 1941-1991](#)
- [HPS201H1 Origins of Western Technology](#)
- [HPS202H1 Technology in the Modern World](#)
- [HPS250H1 Introductory Philosophy of Science](#)
- [HPS324H1 Natural Science and Social Issues](#)
- [INI301H1 Contemporary Issues and Written Discourse: Rhetoric and the Print Media](#)
- [INI305H1 Word and Image in Modern Writing](#)
- [JFV323H1](#)
- [JUM203H1 Mathematics as a Recreation](#)
- [MUS200H1 Music of the World's Peoples](#)
- [MUS211H1 The World of Popular Music](#)
- [MUS303H1 Music in the Contemporary World](#)
- [NEW240Y1 Introduction to Equity Studies](#)
- [NEW302Y1 C.G. Jung: Stories, Patterns, Symbols](#)
- [NEW303H1 Hypotheses of the Unconscious](#)
- [RLG200H1 The Study of Religion](#)
- [RLG210Y1 Introduction to the Sociology of Religion](#)
- [RLG211H1 Psychology of Religion](#)
- [RLG212H1 Anthropology of Religion](#)
- [RLG227H1](#)
- [RLG230H1 Religion, Law and Society](#)
- [RLG232H1](#)
- [RLG233H1 Religion and Popular Culture](#)
- [RLG249H1](#)
- [RLG301H1 Religion on the Couch: Freud and Jung on Religion](#)
- [RLG304H1 Language, Symbols, Self](#)
- [RLG305H1 Material Religion](#)
- [RLG315H1 Rites of Passage](#)
- [RLG316H1 Martyrs, Mystics, and Saints](#)
- [RLG327H1](#)
- [RLG336H1 Monsters and Others in the Christian Middle Ages](#)
- [RLG337H1 Witchcraft and Magic in Christian Tradition](#)
- [SLA331H1 Modernism and Visual Arts](#)
- [SLA442H1](#)
- [SLA495H1 Aesthetics into Science](#)
- [SLA496H1 Prague School Semiotics of Drama, Theatre and Cinema in Contemporary Context](#)
- [SMC210H1 The Early Mediaeval Tradition](#)
- [SMC219Y1 Media in Culture and Society](#)
- [SMC387H1 Advertising and Media](#)
- [SMC361H1 Mediaeval Law](#)
- [SMC397H1 Religion, Media and Culture](#)
- [SOC265H1 Gender and Society](#)
- [SOC365H1 Gender Relations](#)
- [SOC367H1 Race, Class, and Gender](#)
- [SOC381Y1](#)
- [SOC388H1 Sociology of Everyday Life](#)
- [VIC202Y1 Forms of Representation](#)

- [VIC224Y1 Introduction to Material Culture](#)
- [VIC302H1 Pasts and Futures](#)
- [VIC305H1 Institutions and Power](#)
- [VIC306H1 Culture and Media](#)
- [VIC307H1 Periodization and Cultural History](#)
- [VIC322H1 Topics in Semiotics](#)
- [VIC343Y1 Sex and Gender](#)
- [VIC345H1 Media and Communications in the Early Modern Era](#)
- VIS201H1
- VIS202H1
- VIS203H1
- VIS204H1
- VIS205H1
- VIS206H1
- VIS207H1
- VIS208H1
- VIS209H1
- VIS212H1
- VIS213H1
- VIS307H1
- VIS312H1
- VIS313H1
- [WGS271Y1 Gender in Popular Culture](#)
- [WGS372H1 Women and Psychology/ Psychoanalysis](#)

VIC199H1 - Thinking with Things

Hours: 24S

This course will examine the materiality of objects with a view to understanding how artefacts are made, their circulation, consumption, and the importance of *things* to social and cultural life. An investigation of artefacts from various collections in and around the university will be undertaken to develop basic methods for the study, description and analysis of material culture. In addition to hands-on exploration of objects, topics may include antiquarians and their methods, material culture in colonial contexts, and materials in contemporary user-friendly design. Restricted to newly admitted first-year students. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from FYF seminars or Vic One Hundred

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

Vic One: Education Stream

VIC150Y1 - School and Society

Hours: 48S

This course will be about the social and historical role of the school. The course will examine schools and learning as social, political, intellectual, and economic phenomena. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC151Y1 and PSY100H1

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

Victoria College Courses

VIC170Y1 - The Impact of Science on Our Society

Hours: 48S

How rhetoric and statistical analysis are used to communicate scientific observations and theories to different audiences will be examined in lectures and seminars. Uncertainty, belief, evidence, risk assessment, random error and bias will be discussed using examples drawn from literature, the arts and the physical, life and social sciences. Students will prepare a research grant application on a scientific topic of their own choice. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC171Y1 and 1.0 FCE selected from first-year course offerings in the sciences (0.5 FCE must be a BIO course)

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC151Y1 - Theories and Practices of Teaching

Hours: 48S

This course focuses on connecting theories and practice of teaching with a view to having students develop their personal understanding of teaching. Students will be involved in a practicum. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC150Y1 and PSY100H1

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC163H1 - Cultural Forms and Their Meanings: People and Ideas

Hours: 24S

A study of culture with a view to developing basic concepts with examples drawn from the visual arts, music, film, architecture, and/or local urban artefacts. We will emphasize how contemporary thought has affected the practice of everyday life. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC162H1, VIC164H1, VIC165H1, and 1.0 FCE in any 100-level course in ENG or FAH or PHL

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

Vic One: Frye Stream

VIC162H1 - Cultural Forms and Their Meanings

Hours: 24S

A study of culture with a view to developing basic concepts with examples drawn from the visual arts, music, film, literature, architecture, and/or local urban artefacts. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC163H1, VIC164H1, VIC165H1, and 1.0 FCE in any 100-level course in ENG or FAH or PHL

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC164H1 - Ideas and Their Consequences: Literary and Artistic Realms of the Imagination

Hours: 24S

A study of the ideas and concerns of creative thinkers and their impact upon cultures. The course includes literary, scientific and/or religious intellectuals from the major traditions. Attention to modes of reasoning, cultural definition and expression. Emphasis on philosophical and artistic concepts. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC162H1, VIC163H1, VIC165H1, and 1.0 FCE in any 100-level course in ENG or FAH or PHL

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

VIC165H1 - Ideas and Their Consequences: Isolation and Communion in Modern Culture

Hours: 24S

A study of art, with a focus on poetry, as an essential mode of experience and knowledge, in the context of contemporary and modern society. Along with literary artists, the course includes writers on history and sociology and presents the interplay between artistic vision and socio-political situations. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC162H1, VIC163H1, VIC164H1, and 1.0 FCE in any 100-level course in ENG or FAH or PHL

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC167H1 - Ideas and Fine Thoughts

Hours: 24S

This course examines how political ideas are formed and developed through literature, art, plays, essays and philosophical works in the twentieth century. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC166H1, VIC168H1, VIC169H1, and 1.0 FCE in any 100-level course in ANT or PHL or RLG

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Creative and Cultural Representations (1)

Vic One: Gooch Stream

VIC166H1 - Common Vices and Neglected Virtues: Intro to Ethics of Character

Hours: 24S

Vice is popular: a prestigious university press has brought out a series of seven books on the Seven Deadly Sins. This course examines such questions as the following. Are greed, lust and gluttony just bad names for necessary and otherwise acceptable instincts? What is the place, in a good human life, of such qualities as honesty, trust, civility and the like? Are vices and virtues culturally determined or a matter of individual preference? Can character be taught, or is it rather a matter of genes and luck? Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC167H1, VIC168H1, VIC169H1, and 1.0 FCE in any 100-level course in ANT or PHL or RLG

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC168H1 - Identity and Equality in the Public Sphere

Hours: 24S

This course explores current legal and philosophical debates around equality, discrimination, and the shaping of individual and group identities. It addresses the way values, affiliation, and identities have an impact on the public sphere of law and policy-making – and the ways in which law and policy, in turn, shape our conceptions (and misconceptions) of people's identities. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC166H1, VIC167H1, VIC169H1, and 1.0 FCE in any 100-level course in ANT or PHL or RLG

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

VIC169H1 - Ethical Living in a Pluralistic World

Hours: 24S

This course examines different values, beliefs, and traditions relating to the natural and social world, ethical living, and the common good. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC166H1, VIC167H1, VIC168H1, and 1.0 FCE in any 100-level course in ANT or PHL or RLG

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

Vic One: Stowe-Gullen Stream

VIC171Y1 - Methodology, Theory and Practice in the Natural Sciences

Hours: 48S

An examination of scientific theories and their logic in life and physical sciences. Experimental design, novel device production, data analysis and modeling will be discussed using examples drawn from primary source material in the natural sciences. Students will prepare a research paper on a topic designed in consultation with the instructor. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC170Y1 and 1.0 FCE selected from first-year course offerings in the sciences (0.5 FCE must be a BIO course)

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Vic One: Schawlow Stream

VIC172Y1 - Physical Sciences Today

Hours: 48S

How is science performed and what enables scientific progress? What are our responsibilities as scientists? We base the discussion mostly on the development of microscopy tools. We look at how scientific discoveries affect and were affected by society. This course explores the complementary skills and knowledge needed by modern scientists. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: admission to Vic One

Corequisite: VIC173Y1 and 1.0 FCE selected from first-year course offerings in the sciences (0.5 FCE must be a CHM, MAT or PHY course)

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Science; Social Science

Breadth Requirements: Society and its Institutions (3)

VIC173Y1 - Philosophy of Science for Physical Scientists

Hours: 48S

This course introduces students to some of the issues in the philosophy of science, in general, and in the philosophy of physics, in particular. Topics include the scientific method and its controversies, the meaning of time and its properties, realism versus competing approaches, thought experiments, and quantum mechanics. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: admission to Vic One

Corequisite: VIC172Y1 and 1.0 FCE selected from first-year course offerings in the sciences (0.5 FCE must be a CHM, MAT or PHY course)

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Science; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

Vic One: Pearson Stream

VIC181H1 - Events in the Public Sphere: World Affairs

Hours: 24S

This course will review issues in contemporary world affairs, from the fall of the Berlin Wall to the present day. The course will examine the politics and practice of foreign policy decision making. Issues to be covered include the collapse of the Soviet Union, intervention in humanitarian crises, and the conflicts in Afghanistan and Iraq. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC183H1, VIC184H1, VIC185H1, and 1.0 FCE in any 100-level course in ECO, HIS or POL

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

VIC184H1 - Individuals and the Public Sphere: History, Historiography and Making Cultural Memory

Hours: 24S

A seminar course that examines the contribution of an individual or individuals to the public sphere. The course will explore how public service and citizenship are developed in social, philosophical, and cultural contexts. We will examine our evolving role in developing collective, cultural and counter memory. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC181H1, VIC183H1, VIC185H1, and 1.0 FCE in any 100-level course in ECO, HIS or POL

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC185H1 - Events in the Public Sphere: Social Justice

Hours: 24S

This course uses events to discuss the nature of society including major revolutions, economic crises, and the impact of significant artistic, cultural and technological developments. Emphasis on our responsibilities towards social justice. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC181H1, VIC183H1, VIC184H1, and 1.0 FCE in any 100-level course in ECO, HIS or POL

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

VIC183H1 - Individuals and the Public Sphere: Shaping Memory

Hours: 24S

This course explores how public service and citizenship are developed. Topics may include the role of law and government, civil liberties, rights and responsibilities, and the role of protest. Emphasis on individuals and movements that have shaped modern memory. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC181H1, VIC184H1, VIC185H1, and 1.0 FCE in any 100-level course in ECO, HIS or POL

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Social Science

Breadth Requirements: Creative and Cultural Representations (1)

Vic One: Chambers Stream

VIC186Y1 - The Art and Literature of Leadership

Hours: 48S

What is a leader? Are leaders born or are they made, and if they are made is there a craft to being able to lead others? Through works of art, film, and literature, this course examines the various types of men and women who become leaders from natural-born talents to statesmen and state-crafters and individual entrepreneurs with the purpose of defining those qualities that make for the leaders of tomorrow. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC187H1, VIC188H1, ECO101H1 and ECO102H1

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC188H1 - Corporate Citizenship, Sustainability, and Ethics

Hours: 24S

Drawing together philosophical background readings with contemporary applications, this course addresses issues of corporate social responsibility, business ethics, human rights, diversity, and equity, and considers how these topics intersect with a wide range of global practices. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC186Y1, VIC187H1, ECO101H1 and ECO102H1

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

Vic One: Jewison Stream

VIC190Y1 - The Arts and Society

Hours: 48S

The artist, filmmaker, poet or dramatist has changed society and how we imagine our future. The course explores a number of paradigm cases of how the arts have interacted with social problems. Both historical and current examples of the role of the imaginative arts will be explored. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC191Y1 and 1.0 FCE in any 100-level course in ARC or CIN or DRM or ENG or MUS or VIS

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

VIC187H1 - Prosperity, Justice, and Sustainability: Introduction to Public Policy

Hours: 24S

This course introduces policy applications of measurement tools and economic concepts by analyzing current issues in the news, such as public spending and debt, health care, social security, energy, climate change, innovation, and education. Concepts from the philosophy and history of economic thought will be used to address such questions as: What is the nature of economic explanations? Do they tell us the truth about reality? Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC186Y1, VIC188H1, ECO101H1 and ECO102H1

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred.

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC191Y1 - Artistic Creation and Public Issues

Hours: 72S

This course addresses social issues through the exploration of creative activity and the imaginative arts. Topics will be discussed from historical, ethical and philosophical perspectives, and might be considered either in a group or individually. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC190Y1 and 1.0 FCE in any 100-level course in ARC or CIN or DRM or ENG or MUS or VIS

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Vic One Hundred

VIC101H1 - Conflict Theory and Practice

Hours: 24S

This course is a general orientation to conflict theory, and develops a basic understanding of essential conflict resolution principles that will complement the study of conflict theory. The course will examine the differences between conflicts and disputes, the functions and desirability of conflict, and the conditions that facilitate conversion of conflicts from destructive to constructive. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

VIC102H1 - Ethics and Choices in Times of Crisis

Hours: 24S

This course examines a specific event, or events, in relation to the public sphere. The course will use events or an event as an entry point to discuss the nature of society including topics such as major revolutions, economic crises, the impact of the appearance of significant artistic or cultural works, and the impact of technological changes. Not eligible for CR/NCR option.

Exclusion: VIC102Y1; Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC105H1 - Odysseys: The Search for Meaning

Hours: 24S

Metaphors and motivations of journeying have long intrigued human beings as they have attempted to understand the meaning of their existence: the setting out, the seeking for a desired object, the pilgrimage of religious observance, and the longing to return home. Through texts, art, music and film, this course will explore some of the shaping journey-myths of our culture from classical, Hebrew, medieval and modern sources. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC106H1 - Psychology and Society

Hours: 24S

This course explores central developments and ongoing controversies in the scientific study of the human mind, brain and behaviour. It examines topics such as: psychoanalysis, behaviourism, humanistic psychology, evolutionary psychology, intelligence testing, and feminist perspectives. Goals include understanding the historical evolution and social relevance of scientific psychology. Not eligible for CR/NCR option.

Exclusion: VIC206H1, Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC107H1 - Evolution, Genetics, and Behaviour

Hours: 24S

In this course we examine major episodes in the history of evolution and genetics in the twentieth century. Topics include Darwinian evolution, sociobiology and evolutionary psychology, eugenics, and genetic screening and therapy. We will examine different views about the control of evolution and genetic manipulation in their socio-cultural-economic context and discuss the ethical and social implications of those views. Not eligible for CR/NCR option.

Exclusion: VIC207H1, Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC110H1 - Critical Perspectives on Society

Hours: 24S

By means of short texts, film or art works this course explores such themes as the effect of technology on the political, the nature of democracy, the question of resistance through art and the role of violence in the social. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC112Y1 - Puzzles, Discovery and the Human Imagination

Hours: 48S

There has never been a period of time, nor has there ever been a culture, without some kind of puzzle tradition. Are puzzles just playful artefacts, intended merely to entertain? Or are they mirrors of something much more fundamental in human life? The course will take a close look at what puzzles tell us about the human mind and human culture. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; 199 seminars or other Vic One Hundred seminars.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC113H1 - Encountering Distant Climes: The Literature of Travel and Exploration

Hours: 24S

This course will study accounts of world travelers and explorers from the Middle Ages to the present, including representative examples drawn from the Age of Exploration, the Grand Tour, scientific and map-making expeditions, and the contemporary genre of travel writing. Particular attention will be given to the trans-cultural nature of travel, and the interactive aspects of the gulf between the observer and those observed. Students will analyze the diverse motivational factors behind excursions and expeditions, and apply a critique to written accounts in light of such factors as self-discovery, knowledge and imagination, Eurocentrism, orientalism, cultural relativism, colonialism/imperialism, race, gender, and eco-tourism. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC108H1 - Belonging, Imagination and National Identity

Hours: 24S

This course will examine a number of questions related to the origins of national identities and the sustainability of nation-states. Topics covered will include: language, ethnicity, religion, politics, war, symbols, the arts, sport and public spectacle, and cuisine. Not eligible for CR/NCR option.

Exclusion: VIC108Y1; Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

VIC109H1 - Innovators and Their Ideas

Hours: 24S

A study of the ideas and concerns of innovators who questioned traditional views and values. The course includes creative thinkers who challenged basic concepts on politics, literature, religion, and society. Not eligible for CR/NCR option.

Exclusion: VIC109Y1; Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC114H1 - Renaissance in Popular Culture

Hours: 24S

This course explores the depiction of the Renaissance in a wide range of plays, films and novels. The focus is on the exchange between film, fiction, and 'fact', and on how the values and concerns of the present shape creative recreations of the past in popular culture. Not eligible for CR/NCR option.

Exclusion: VIC114Y1; Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC117H1 - Understanding the Performing Arts: Interpretation and Expression

Hours: 24S

This course examines two key issues about the performing arts that concern both artists and theorists: the nature of interpretation and of expression. What might we mean when we say that a work, a piece of music or a dance for example expresses something? What is it to express? And what is the nature of interpretation? Are there any constraints or boundaries on interpretation? We will draw on both philosophers and non-philosophers to explore these sorts of questions. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC115H1 - Imagined Power: Literature and Film

Hours: 24S

In this course we will study a number of literary and cinematic works that take up questions of power, duty, rights, responsibility, and freedom. Our texts will be drawn from a long history, and from many parts of the world. The sequence however will not be chronological. Not eligible for CR/NCR option.

Exclusion: VIC115Y1; Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Creative and Cultural Representations (1)

VIC119H1 - Myths and Legends in Modern Contexts

Hours: 24S

This course provides an introduction to modern forms of ancient narratives, exploring the ways in which selected ancient literary sources and myths have been adapted to modern Canadian literature. Ancient narratives or 'old stories' are often reused, reinterpreted or reconstructed in modern narratives and given new relevance in a contemporary context. Students will encounter sources and contexts of ancient narratives. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC116H1 - Politics of the Pen

Hours: 24S

A study of how literature challenges prevailing political beliefs and social norms. We will situate our discussion in the broader context of human rights and freedoms. We will examine cases where literature has been censored and writers have been imprisoned or driven into exile. Part of this course involves a community service-learning component. We will consider how this literature contributes to debate and advocacy around issues of social justice. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC121H1 - Evaluating Healthcare: Problems and Solutions

Hours: 24S

This course introduces students to the study of healthcare by asking foundational questions about how evidence and knowledge are produced in the context of healthcare problems. Students will explore how different frameworks for clinical practise (e.g. Evidence-based Medicine, Person-Centred Healthcare) conceptualize evidence and how different methodologies impact how healthcare research is conceived, reported, and understood. Students will learn to critically appraise healthcare research studies and assess their evidence value and implications for clinical practice. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from FYF seminars or Vic One Hundred

Distribution Requirements: Social Science

Breadth Requirements: Living Things and Their Environment (4)

VIC134H1 - Globalization

Hours: 24S

This interdisciplinary course explores the contemporary character of globalization. The world is shrinking as money, goods, people, ideas, weapons, and information flow across national boundaries. Some commentators assert that a more tightly interconnected world can exacerbate financial disruptions, worsen the gap between rich and poor nations, undermine democracy, imperil national cultures, harm the environment, and give unconstrained freedom to predatory corporations. Others proclaim that globalization - understood as capitalism and free markets - fosters economic growth, encourages creative collaboration, inspires technological breakthroughs, and enhances human prospects for a better life, in rich and poor countries alike, in unprecedented ways. Our task is to evaluate the evidence and draw our own conclusions. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

VIC122H1 - Scientific Evidence in Public Policy

Hours: 24S

This course investigates issues arising from the translation of scientific evidence for public consumption, including in the development of public policy and in confronting problems of social and global significance. Areas of focus will include climate change, global health, and clinical medicine. Students will explore concepts including the perception and communication of risk, the generalizability of research findings, probabilistic and mechanistic thinking, and the use and abuse of scientific authority and "expertise" in public discourse. Restricted to first-year students. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from FYF seminars or Vic One Hundred

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

VIC135H1 - The Death of Meaning

Hours: 24S

In *The Origin of Species* Darwin concluded there was no evidence to suggest that life was designed by a higher power. A corollary of this is that our lives lack any necessary purpose or meaning. Our readings will be directed to the question of what it means to lack 'Meaning'. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC136H1 - How to Study Everyday Life

Hours: 24S

An introduction to the academic study of everyday life. A cross-disciplinary discussion class drawing on a wide variety of examples from ordinary life, fantasy, and culture. We situate the apparently innocuous within larger patterns of social relations and social change. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

VIC137H1 - Science and Science Fiction**Hours:** 24S

Based on reading and discussion of science fiction and popular science in the context of social issues, this seminar course explores the fantastic visions of humanity's future inspired by scientific advances during the twentieth century. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred; HPS260H1, HMB444H1

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC159H1 - Vic One Hundred Special Topics Seminar**Hours:** 24S

Topics vary from year to year. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirements: Humanities; Science; Social Science

VIC141H1 - Discovery and Revolution**Hours:** 24S

This course examines the emergence of a global modern world in relation to the upheavals of the Renaissance (1350-1700) and its discoveries and innovations in culture and society. Not eligible for CR/NCR option.

Exclusion: VIC141Y1; Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC159Y1 - Vic One Hundred Special Topics Seminar**Hours:** 48S

Topics vary from year to year. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; 199 seminars or other Vic One Hundred seminar.

Distribution Requirements: Humanities; Science; Social Science

Breadth Requirements: Creative and Cultural Representations (1); Thought, Belief and Behaviour (2)

Creative Expression and Society**VIC142H1 - Machiavelli: The Politics of Power****Hours:** 24S

The name of Machiavelli unleashes powerful opinions and responses and conjures up trickery, duplicity and cynicism. Yet Machiavelli himself is arguably the least Machiavellian of political figures of the Italian Renaissance. This course examines the writings of Niccolò Machiavelli, placing them in their historical context in order to understand this most controversial figure of the Renaissance, his influence and his lasting legacy. Not eligible for CR/NCR option.

Exclusion: ITA198H1 (Machiavelli and Machiavellianism); VIC141Y1; Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

IVP210H1 - Holography for 3D Visualization**Hours:** 24L/36P

An introduction to the theory and practice of holography. Human perception & 3D visualization; fundamentals of 3D modeling; ray and wave optics; interference, diffraction, coherence; transmission and reflection holograms; colour perception; stereograms. Applications of holography in art, medicine, and technology. Computer simulation, design, and construction of holograms.

Exclusion: JOP210H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

VIC209H1 - How Stories Work

Hours: 24S

Stories give shape and substance to the things we believe in, from scientific theories and sacred texts to literary tales and philosophical propositions. They perpetuate ideals and identities, and sustain institutions and communities. This course will take up a set of texts from the arts, sciences, religions and several other storytelling traditions, ancient and modern, considering their claims to authority and making connections between them.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC235H1 - Innovation in Society

Hours: 24L

This course investigates the history and contemporaneity of innovation as a response to social, scientific, and environmental challenges. Students will acquire key frameworks for understanding the workings of innovation, the place of creativity, and the social impacts of new and disrupted organizations. Through historicizing key moments of innovation (from the Gutenberg printing press to today's healthcare discoveries) and considering related issues (including intellectual property and sustainability) students will develop approaches to understanding the past, present, and future of creative disruption.

Exclusion: MUN101H1, MUN102H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

VIC270H1 - Listening: A Critical History

Hours: 24S

Surveying scenarios for public and private musical listening, from historical contexts to the present, this course explores critical questions about how we listen, including the relationship between musical genres and listening situations, the definition of music vs. noise, the influence of spectatorship, and the impact of changing technologies. Students discuss the changing aesthetics and ideologies of musical listening, considering ways in which listening shapes our understanding of the social and our awareness of communities.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC271H1 - Reading the Wild

Hours: 24S

In light of the environmental crisis, this seminar surveys a wide range of oral and written literature in order to discover how our approach to nature has changed over the centuries, what gains and losses have attended modernity, and what older cultures can teach us as we seek to preserve threatened ecosystems.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC273H1 - The Body: An Exercise

Hours: 24S

This course will sketch the vital role or the drama of the human body, aspects of its performance, comedy, tragedy and death, through selected parts of history, in life and as reflected in "art."

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC275H1 - Creative Writing: Short Fiction

Hours: 24S

This course is for aspiring fiction writers who wish to deepen their craft. Each seminar will feature a lecture on technical issues such as plot and characterization, as well as an analysis of a short story by a classic writer. Students will write their own stories, with editorial input from the instructor.

Prerequisite: Application Required.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC279H1 - Creative Non-Fiction

Hours: 24S

This course examines the forms, style, aims, and ethics of non-fictional forms such as documentary writing, journalism, and life-writing. It combines the study of examples from contemporary media with exercises in writing non-fictional prose.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC280H1 - Creative Writing: Poetry**Hours:** 24S

A workshop course (with a literature component) in writing poetry. Designed for those with a serious ambition to be writers as evinced in work they are already doing. The literature component emphasizes multicultural dimensions of contemporary writing in English.

Prerequisite: Application required**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**VIC350Y1 - Creative Writing****Hours:** 48S

A workshop course (with a literature component) in writing fiction and poetry. Designed for those with a serious ambition to be writers as evinced in work they are already doing. Does not offer instruction for beginning writers. Presupposes perfect and sophisticated written language skills. The Literature component emphasizes multicultural dimensions of contemporary writing in English.

Prerequisite: Application Required. Preference given to fourth and third-year students.**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**VIC281H1 - Popular Music, Technology, and the Human****Hours:** 24S

This course explores ways in which popular music, sound and sound technologies have influenced our understanding of the recent human condition. Drawing on a variety of theoretical perspectives, we consider the musical uses of technology as both a material culture and a set of distinctly innovative practices that can create powerful transformations of consciousness, meaning and value.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**VIC352Y1 - Love, Sex and Death in Short Fiction****Hours:** 48S

This course will examine how a variety of international authors, both nineteenth century and modern, handle the themes of mortality, sexual passion and love in their short fiction. Particular emphasis will be placed on the artistry of the writers' presentation, the role of dialogue, the economy of narrative, etc. Students will read Chekhov, *The Kiss*, *Lady with a Dog* and Tolstoy, *Master and Man* but will also be exposed to such contemporary popular authors as Elmore Leonard, *When the Women Come Out to Dance*; Truman Capote, *Mojave*; Richard Ford, *The Occidentals*; Philip Roth, *The Dying Animal*; Ian McEwen, *The Cement Garden*; and David Bezmozgis, *Natasha*.

Distribution Requirements: Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**VIC335H1 - Ethical Enterprise and Critical Reflection****Hours:** 24L

The course explores what change we hope to produce through a wide range of new enterprises. The main goal is to develop critical perspectives on enterprises in the widest sense, including start-up companies, non-profits, arts institutions, community outreach organizations, and social activism. What would make these changes ethical? When we evaluate the endeavours, how can we compare economic benefits, social disruption, questions of exclusion and diversity, sustainability in several senses, and the processes of change themselves? Where are the limits of social responsibility in entrepreneurial creativity?

Prerequisite: 6.0 FCE in any subject**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**VIC370H1 - Music and the Imagination****Hours:** 24S

This course explores how music creatively reflects and inspires our sense of self, place and community through readings, close listening, case studies, and creative responses. We consider various sites of musical imagination, and the genres that intersect with them. Course discussion addresses how music participates in the social life of creativity, imagination and fantasy, and what these roles mean for music's significance in society and culture. No prior experience in music composition required.

Prerequisite: Completion of 6.0 FCE**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

VIC371H1 - Documentary Journalism

Hours: 24S

This seminar course looks at the history and evolution of documentary journalism in print and/or visual media through changing contexts, including challenges in the digital era. Students discuss major stories in the news, focusing on some important practitioners of the genre and on ethical issues such as privacy, objectivity, and partisanship.

Prerequisite: Completion of 6.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC470H1 - Soundscapes

Hours: 24S

This course surveys the growth of the field of Acoustic Ecology and the aesthetic, political, and ethical questions it engages. Students learn about creative and musical practices associated with this new attention to sound, and they gain experience with the practice of field recording and sonic-environmental sampling. The course culminates with a final Soundscape composition or creative mapping project. No previous experience in sound recording or composition required.

Prerequisite: Completion of 9.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC372H1 - Reviewing, Reception, and Reading Communities

Hours: 24S

While readers and audiences often are considered to be cultural "consumers," this course will consider reception as an active, creative, and often collaborative activity, by examining formal and informal practices of reviewing and response that may include fan/fanfic cultures, book clubs, community and nation-wide reading programs, and award competitions. Such contexts of reception will be considered along with their social, economic, and ethical implications.

Prerequisite: Completion of 6.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC479Y1 - The Novel: A Master Class

Hours: 48S

Advanced young writers in this fourth-year seminar work to produce a short novel appropriate for submission to an agent or a publisher. The class does not offer instruction for beginning writers. It is intended for serious writers interested in learning about writing novels at a professional level.

Prerequisite: Application required

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC480H1 - Poetry: A Master Class

Hours: 24S

A workshop course in writing poetry. Designed for those with a serious ambition to be writers as evinced in work they are already doing. Does not offer instruction for beginning writers. Presupposes perfect and sophisticated written language skills.

Prerequisite: Application required.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC373H1 - Materialities of Music

Hours: 24L

Music is often understood as the most ephemeral and transcendent of the fine arts, even if that means overlooking the physical realities of music's production and dissemination. We will examine these materialities here, from paper and technologies of print, through to instruments for making and studying sound, and architectural spaces for its market circulation; we will see how music and its instruments provided the raw material for the emergence of a nineteenth-century science of acoustics.

Prerequisite: Completion of 6.0 FCE

Recommended Preparation: 0.5 FCE in Creative Expression and Society, Material Culture, or Music.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Education and Society

VIC235H1 - Innovation in Society

Hours: 24L

This course investigates the history and contemporaneity of innovation as a response to social, scientific, and environmental challenges. Students will acquire key frameworks for understanding the workings of innovation, the place of creativity, and the social impacts of new and disrupted organizations. Through historicizing key moments of innovation (from the Gutenberg printing press to today's healthcare discoveries) and considering related issues (including intellectual property and sustainability) students will develop approaches to understanding the past, present, and future of creative disruption.

Exclusion: MUN101H1, MUN102H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

VIC260H1 - Equity and Diversity in Education

Hours: 36L

This course focuses on raising awareness and sensitivity to equity and diversity issues facing teachers and students in diverse schools and cultural communities. It builds knowledge of how oppression works and how cultural resources and educational practices may be brought to bear on reducing oppression and improving equity. The field experience in this course entails observation of and participation in equity and diversity efforts in a culturally-rooted school and/or community organization.

Prerequisite: Enrolment in Education and Society Minor

Exclusion: JSV202H1, SMC271H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

VIC261H1 - Child and Adolescent Development in Education

Hours: 36L

This course examines how children and adolescents develop and explores how best to facilitate their growth and learning in the area of education. Major topics include cognitive, emotional, social, moral, physical and language development. Themes addressed include interpersonal relationships such as pro-social and aggressive behaviour, as well as the influence of schooling, family life and culture. This course includes a 20-hour field experience located in a school and entails observation of development across various age groups. This may be satisfied by participation in Vic Reach or in another organization with the approval of the Program Coordinator.

Prerequisite: Enrolment Education and Society Minor

Exclusion: JSV201H1, SMC272H1

Distribution Requirements: Science; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC262H1 - Communication and Conflict Resolution in Education

Hours: 36L

This course aims to develop an understanding of social conflict and cultural diversity. How does conflict act as a catalyst for change? What do socio-cultural, cognitive, and motivational approaches teach us about conflict? Topics include: effects of conflict, human rights principles, cross-cultural understanding.

Prerequisite: Enrolment in Education and Society Minor

Exclusion: JSV200H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

VIC355H1 - Introduction to Teaching

Previous Course Number: VIC362H1

Hours: 24S

Builds understanding of teaching as professional practice. The course primarily focuses on the research base underlying policies and documents such as the Foundations of Professional Practice.

Prerequisite: Enrolment in Education and Society Minor (Arts)

Exclusion: VIC362H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

VIC360H1 - Education Internship**Hours:** TBA

Students are required to complete an internship in an educational environment. This can be satisfied by participation in an organization with the approval of the Program Coordinator. Written assessment of the internship is required. Not eligible for CR/NCR option.

Prerequisite: Enrolment in Education and Society Minor, VIC362H1/ EDU311H1

Exclusion: VIC360Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

VIC363H1 - Teaching Math: The JUMP Approach**Hours:** 24S

This course will challenge the widely accepted idea that people need to be born with a special gift or natural ability to excel in mathematics. New research in education and cognitive science suggests that young learners often struggle in school because they are not taught in a way that allows their brains to work efficiently. This course will examine barriers that prevent students from learning and methods of teaching that can help all students reach their full potential (not only in math). Math lovers and math phobic students are welcome: the course aims to help students develop deeper levels of confidence and understanding in mathematics so they can become effective teachers themselves.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

VIC360Y0 - Education Internship - International**Hours:** TBA

Students are required to complete an internship in an educational environment in Beijing, China. Arranged through Victoria College and the Centre for International Exchange, the Beijing International Exchange is only for students in the Education & Society Minor. Written assessment of the internship is required. Not eligible for CR/NCR option.

Prerequisite: Enrolment in Education and Society Minor, VIC362H1/EDU311H

Exclusion: VIC360H1, VIC360Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

VIC368H1 - Special Topics in Education and Society**Hours:** 24L

In-depth study of a topic related to education and society. Content varies with instructor. Please see Victoria College website for current offerings.

Prerequisite: Completion of 9.0 FCE

Recommended Preparation: One 200-level course in Education and Society

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

VIC360Y1 - Education Internship**Hours:** TBA

Students are required to complete an internship in an educational environment. This can be satisfied by participation in an organization with the approval of the Program Coordinator. Written assessment of the internship is required. Not eligible for CR/NCR option.

Prerequisite: Enrolment in Education and Society Minor, VIC362H1/EDU311H

Exclusion: VIC360H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

VIC369H1 - Special Topics in Education and Society**Hours:** 24L

In-depth study of a topic related to education and society. Content varies with instructor. Please see Victoria College website for current offerings.

Prerequisite: Completion of 9.0 FCE

Recommended Preparation: One 200-level course in Education and Society

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

VIC395Y0 - Studies in Chinese Culture**Hours:** 48S

This course takes place on exchange, in Beijing, China. Students will study five traditional Chinese arts topics and their impact on Chinese culture.

Prerequisite: Students must have completed a minimum of 10 FCE
Distribution Requirements: Humanities; Social Science; Science

Literature and Critical Theory**VIC202Y1 - Forms of Representation**

This course explores representation as a cultural and political problem from antiquity to the modern era. Representation will be analyzed as a means of depicting or constructing reality and as a tool for constituting individual and collective subjectivity. We consider literary and other modes of representation in their historical contexts.

Distribution Requirements: Humanities
Breadth Requirements: Thought, Belief and Behaviour (2)

VIC203H1 - Empires I**Hours:** 24L/12T

This course examines the literary and non-literary representations that accompany imperial conquests and hegemony from pre-modern times to the emergence of the modern nation-state. We compare the establishment, interpretation and reinvention of cultural forms of empire (e.g. Ottoman, Persian, Roman) at local, national, transnational and global levels.

Exclusion: VIC203Y1
Distribution Requirements: Humanities
Breadth Requirements: Creative and Cultural Representations (1)

VIC204H1 - Canons and Canonicity

This course will consider the problem of canons in a variety of contexts: the aesthetic (including the literary, visual arts and music), but also the religious, the political, the philosophical and other discursive forms. Special focus will be on the problem of the relations across these boundaries.

Distribution Requirements: Humanities
Breadth Requirements: Thought, Belief and Behaviour (2)

VIC205H1 - Empires II**Hours:** 24L/12T

This course examines the literary and non-literary representations that accompany imperial conquests and hegemony from the emergence of the modern nation-state through more recent developments in globalization. We compare the establishment, interpretation and reinvention of cultural forms of empire (e.g. British, Japanese, Spanish) at local, national, transnational and global levels.

Exclusion: VIC203Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**VIC301H1 - Critical Writing Seminar**

This course is a writing intensive class devoted to the practice and analysis of critical writing. We will explore the critical tradition, the public(s) for whom one writes, and the choice of voice, point of view, and writerly form. The class will be structured around workshop style discussion and writing exercises.

Recommended Preparation: VIC202Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**VIC302H1 - Pasts and Futures**

An introduction to representations of history, in which we will consider concepts that turn on the problem of time such as tradition, periodization, genealogy, memory, crisis, revolution, eschatology, and utopia.

Recommended Preparation: VIC202Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**VIC303H1 - Memory and Trauma**

This course will explore the problem of memory in relation to both collective and individual trauma. What pressure does trauma place on language, and agency, and how does it figure in commemoration, narrative, monumentalization, and other modes of representing the past?

Recommended Preparation: VIC202Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)

VIC304H1 - Praxis and Performance

This course will explore what it means to “act” in cultural, political, religious, and psychological realms. We focus on the historically shifting relations between theory and practice, between artifice and agency, and between theatricality and spectatorship.

Recommended Preparation: VIC202Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC308H1 - Identities

Though “identity” might suggest sameness, it is historically unstable and has many components, including ability/disability, age, class, ethnicity, gender, health/illness, ‘race,’ sexuality, and religion. This course considers the complexities of identity-formation and identity-transformation as captured in literary texts and cultural artefacts over a wide range of historical and cultural contexts.

Recommended Preparation: VIC202Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC305H1 - Institutions and Power

This course will consider some of the ideologies and practices of various institutions at work in the production and transmission of cultural objects and social power. These may include the family, museum, hospital, prison, university, library, and theatre, as well as fields such as publishing and religion.

Recommended Preparation: VIC202Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC306H1 - Culture and Media

This course will consider relations between various cultural media – such as film, literature, photography, visual art, architecture – with specific attention to the historical demands and possibilities posed by technological change.

Recommended Preparation: VIC202Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC401H1 - Seminar in Comparative Literature

Hours: 24S

This course offers senior students in Literature and Critical Theory the opportunity to take part in a graduate seminar in Comparative Literature. Topics change annually.

Prerequisite: Permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC401Y1 - Seminar in Comparative Literature

Hours: 48S

This course offers senior students in Literature and Critical Theory the opportunity to take part in a graduate seminar in Comparative Literature. Topics change annually.

Prerequisite: Permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Thought, Belief and Behaviour (2)

VIC402H1 - Translation and Comparativity

This course will consider questions of adaptation, appropriation, imitation, hybridity and incommensurability across languages, geographical regions, epochs, media, and academic disciplines. Course topics may include the role of translation in the historical projects of nation-building and empire.

Prerequisite: VIC202Y1 and one of: VIC302H1, VIC303H1, VIC304H1, VIC305H1, VIC306H1, VIC307H1; or permission of instructor.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC403H1 - Advanced Topics in Literature and Critical Theory

Content varies depending on instructor. In-depth examination of selected issues.

Prerequisite: VIC202Y1 and one of: VIC302H1, VIC303H1, VIC304H1, VIC305H1, VIC306H1, VIC307H1; or permission of instructor.

Distribution Requirements: Humanities

VIC494H1 - LCT Senior Research Paper

This course provides an opportunity to design an interdisciplinary course of study, not otherwise available within the Faculty, with the intent of addressing specific topics in Literature and Critical Theory. Written application (detailed proposal, reading list and a letter of support from a Victoria College faculty member who is prepared to supervise) must be submitted for approval on behalf of Victoria College. For application procedures visit the Victoria College website. Not eligible for CR/NCR option.

Prerequisite: A minimum CGPA of 3.0 and have completed 15 FCE and permission of College Program Director.

Distribution Requirements: Humanities

VIC494Y1 - LCT Senior Research Paper

This course provides an opportunity to design an interdisciplinary course of study, not otherwise available within the Faculty, with the intent of addressing specific topics in Literature and Critical Theory. Written application (detailed proposal, reading list and a letter of support from a Victoria College faculty member who is prepared to supervise) must be submitted for approval on behalf of Victoria College. For application procedures visit the Victoria College website. Not eligible for CR/NCR option.

Prerequisite: A minimum CGPA of 3.0 and have completed 15 FCE and permission of College Program Director.

Distribution Requirements: Humanities

Material Culture

VIC224H1 - Introduction to Material Culture

Hours: 12P/24S

This course is about things - the everyday objects of past and present cultures. It examines the meanings people have invested in objects and how those meanings have changed over time. Using interdisciplinary approaches, students investigate objects found in homes, retail spaces, cities, art galleries and museums in order to develop new understandings of the objects that structure their daily lives and their material world.

Prerequisite: Completion of 4.0 FCE

Exclusion: VIC224Y1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC224Y1 - Introduction to Material Culture

Hours: 24P/48S

This course is about things - the everyday objects of past and present cultures. It examines the meanings people have invested in objects and how those meanings have changed over time. Using interdisciplinary approaches, students investigate objects found in homes, retail spaces, cities, art galleries and museums in order to develop new understandings of the objects that structure their daily lives and their material world.

Prerequisite: Completion of 4.0 FCE

Exclusion: VIC224H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC225Y1 - A History of the World in Objects

Hours: 48L/24P

Through a multidisciplinary approach, this course opens new perspectives on the history of artifacts, the evolution of a world of things, and the analysis of material culture. Lectures and tutorials are supplemented by hands-on exercises in museums and local communities.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

VIC229H1 - Special Topics in Material Culture**Hours:** 24S

An in-depth examination of some aspect of Material Culture theory or practice. Content in any given year depends on instructor. Not offered every year.

Distribution Requirements: Humanities; Social Science
Breadth Requirements: Thought, Belief and Behaviour (2)

VIC328H1 - Materializing Cultural Identities**Hours:** 24S

Students examine the expression of cultural identities in objects. Students are taught to think critically about the construction, use, display, and exchange of objects with significance for cultural identity. In addition to lectures and discussions, students participate in guided visits to sites – everyday, ritual, institutional – where negotiation of identity through objects occurs.

Prerequisite: Completion of 6.0 FCE

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC229Y1 - Special Topics in Material Culture**Hours:** 48S

An in-depth examination of some aspect of Material Culture theory or practice. Content in any given year depends on instructor. Not offered every year.

Distribution Requirements: Humanities; Social Science
Breadth Requirements: Thought, Belief and Behaviour (2)

VIC329H1 - Internship in Material Culture

A practical or experiential learning opportunity under the supervision of a faculty member, normally at a museum, art gallery or other cultural agency (as approved by the supervisor). Not eligible for CR/NCR option.

Prerequisite: Completion of 9 FCE; Enrolled in the Material Culture minor

Distribution Requirements: Humanities; Social Science

VIC326H1 - The Material Culture of Food

This course explores the material cultures which form around food and foodways in contemporary culture. It looks at foods as objects of production and consumption and at the material landscapes (culinary tools, the geography of the kitchen and restaurant, the archives - recipes, cookbooks, menus - that home cooks or chefs use) in order to "expose" the social, cultural and political dimensions of cooking, entertaining and eating.

Prerequisite: Completion of 6.0 FCE

Exclusion: VIC229H1 taken in 2015-2016

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC329Y1 - Internship in Material Culture

A practical or experiential learning opportunity under the supervision of a faculty member, normally at a museum, art gallery or other cultural agency (as approved by the supervisor). Not eligible for CR/NCR option.

Prerequisite: Completion of 9 FCE; Enrolled in the Material Culture minor

Distribution Requirements: Humanities; Social Science

VIC327H1 - Digital Material Culture**Hours:** 24S

This course explores the materiality of digital objects, from image and music files to digital documents to video games and other software, and considers their status as material culture. It involves the primary study of digital objects and also considers the technological infrastructures, cultural contexts, and signifying systems in which they are produced, circulated, and interpreted.

Prerequisite: Completion of 6.0 FCE

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC373H1 - Materialities of Music**Hours:** 24L

Music is often understood as the most ephemeral and transcendent of the fine arts, even if that means overlooking the physical realities of music's production and dissemination. We will examine these materialities here, from paper and technologies of print, through to instruments for making and studying sound, and architectural spaces for its market circulation; we will see how music and its instruments provided the raw material for the emergence of a nineteenth-century science of acoustics.

Prerequisite: Completion of 6.0 FCE

Recommended Preparation: 0.5 FCE in Creative Expression and Society, Material Culture, or Music.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC429H1 - Advanced Topics in Material Culture, Information Systems and Meaning-Making

Hours: 24S

Content varies depending on instructor. Selected issues are examined in depth and at an advanced level.

Prerequisite: VIC224Y1/ VIC225Y1 and completion of 9 FCE; and permission of instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC241Y1 - Renaissance Icons and Afterlives

Hours: 48S

Focusing on famous works like Michelangelo's *David*, Shakespeare's *Hamlet*, Cervantes' *Don Quixote*, and Monteverdi's *Orfeo*, this course explores some of the greatest masterpieces of the European Renaissance and their afterlives, cross-cultural adaptations, and appropriations in later and modern popular culture.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Thought, Belief and Behaviour (2)

VIC242H1 - Scientific Worldviews of the Renaissance

Hours: 24L

An in-depth study of late medieval and early modern scientific worldviews, with a focus on interconnections between natural philosophy, cosmology, theology, astronomy, optics, medicine, natural history, and ethics. Through a consideration of early modern ideas including free will and determinism, the finite and infinite universe, teleology and mechanism, theism and deism, and deduction and intuition, this course investigates some of the period's key metaphysical and methodological assumptions, and reveals how an evolving scientific understanding informed the Renaissance worldview.

Exclusion: HPS309H1

Recommended Preparation: 4.0 FCE

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

Renaissance Studies

VIC240Y1 - The Civilization of Renaissance Europe

Hours: 48L

An interdisciplinary introduction to the civilization of the Renaissance illustrated by a study of the institutions, thought, politics, society and culture of both Italy and Northern Europe. Italian city states such as Florence, Urbino and Venice, Papal Rome and despotic Milan are compared with the northern dynastic monarchies of France and England.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

VIC338H1 - Renaissance in the City

Hours: 24S

An interdisciplinary course exploring the history, art, architecture, literature, and music of the Renaissance in one or more cities from ca. 1400-1650. The course will investigate how local political and social-historical contexts shape ideas and cultural forms, and so illustrate the process and effects of cross-fertilization in the Renaissance period.

Exclusion: VIC348Y0

Recommended Preparation: VIC240Y1, or another course in Renaissance Studies

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

VIC341H1 - The Self and Society: Women, Men and Children

Hours: 24S

A study of the changing conception of the human self in the Renaissance, and of its representation by major authors: Erasmus, Rabelais, Marguerite de Navarre, Castiglione, Machiavelli and others.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC345H1 - Media and Communications in the Early Modern Era

Hours: 24S

This course examines the various media (printing press, representational art, music, preaching) and social and political forces (family and political networks, censorship, education, etc.) that conditioned the communication of ideas in early modern society.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC342H1 - Women and Writing in the Renaissance

Hours: 24S

Focusing on writers from various geographical areas, the course examines a variety of texts by early modern women (for example, treatises, letters, and poetry) so as to explore the female experience in a literate society, with particular attention to how women constructed a gendered identity for themselves against the backdrop of the cultural debates of the time.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC346H1 - The Idea of the Renaissance

Hours: 24S

This course examines the changing views of the Renaissance, from the earliest definitions by poets and painters to the different understandings of contemporary historians. We will pay attention to the interests and biases that have informed the idea of the Renaissance as an aesthetic, social, political, gendered, and eurocentric phenomenon.

Prerequisite: Completion of 6.0 FCE

Recommended Preparation: At least one half course in the art, literature, history, or philosophy of fifteenth or sixteenth century Europe

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC343Y1 - Sex and Gender

Hours: 48S

An interdisciplinary approach to questions of gender and sexuality in early modern Europe, with special focus on the representations of the sexual drive, the gender roles of men and women, and varieties of sexual experience in the literature and art of the period.

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3); Thought, Belief and Behaviour (2)

VIC347H1 - Studies in Renaissance Performance

Hours: 24L

Studies in the development of new forms in music, drama and dance in the Renaissance. The course will consist of seminars and lectures, and may incorporate live performances taking place in Toronto in addition to recordings.

Recommended Preparation: VIC240Y1, or another course in Renaissance Studies.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC344H1 - Renaissance Narrative

Hours: 24S

Focuses on analysis of short stories and longer prose works including, in English translation: Boccaccio's stories of love, fortune and human intelligence in the *Decameron*; Rabelais' humorous parody of high culture in *Gargantua*; the tragic tale of *Romeo and Juliet*; and the adventures of picaresque rogues in *Lazarillo de Tormes* and Nashe's *Unfortunate Traveler*.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

VIC348Y0 - The Renaissance City**Hours:** TBA

This course will study four Renaissance Italian urban environments, beginning with the medieval city of Siena followed by the construction of Renaissance urban space in republics, principalities, and papal Rome. Field trips and illustrated lectures will introduce students to Renaissance urban, cultural, and political history.

Recommended Preparation: VIC240Y1, another course in Renaissance Studies or permission of the instructor. (Offered in Siena only)

Exclusion: VIC338H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

VIC392H1 - Renaissance Studies Independent Study**Hours:** TBA

This course provides an opportunity to design an interdisciplinary course of study, not otherwise available within the Faculty, with the intent of addressing specific topics in Renaissance studies. Written application (detailed proposal, reading list and a letter of support from a Victoria College faculty member who is prepared to supervise) must be submitted for approval on behalf of Victoria College. For application procedures visit the Victoria College website. Not eligible for CR/NCR option.

Prerequisite: A minimum CGPA of 3.0 and have completed 10 FCE and permission of College Program Director.

Distribution Requirements: Humanities

VIC392Y1 - Renaissance Studies Independent Study**Hours:** TBA

This course provides an opportunity to design an interdisciplinary course of study, not otherwise available within the Faculty, with the intent of addressing specific topics in Renaissance studies. Written application (detailed proposal, reading list and a letter of support from a Victoria College faculty member who is prepared to supervise) must be submitted for approval on behalf of Victoria College. For application procedures visit the Victoria College website. Not eligible for CR/NCR option.

Prerequisite: A minimum CGPA of 3.0 and have completed 10 FCE and permission of College Program Director.

Distribution Requirements: Humanities

VIC349H1 - Special Topics in the Renaissance**Hours:** 24L/12P

Studies in an aspect of the Renaissance based around lectures, seminars, and readings. Content in any given year depends on instructor. Not offered every year.

Recommended Preparation: VIC240Y1, or another course in Renaissance Studies.

Distribution Requirements: Humanities

VIC349Y1 - Special Topics in the Renaissance**Hours:** 48L/24P

Studies in an aspect of the Renaissance based around lectures, seminars, and readings. Content in any given year depends on instructor. Not offered every year.

Recommended Preparation: VIC240Y1, or another course in Renaissance Studies.

Distribution Requirements: Humanities

VIC440Y1 - Florence and the Renaissance**Hours:** 48L

An interdisciplinary seminar on Florence in the 15th and 16th centuries: humanism, culture and society in the republican period, the rise of the Medici, Florentine neoplatonism, the establishment of the Medici principate, culture, society and religion.

Prerequisite: VIC240Y1 or permission of the instructor

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

VIC441H1 - Michel de Montaigne: A Renaissance Life

Hours: 24S

A study of Montaigne as a multifaceted historical and cultural figure, as a mirror to sixteenth-century history, as product and observer of the religious divisions, political transformations, and cultural evolutions in an age marked by religious war, the growth of the state, the advent of the printed book, and the dissemination of the humanist project across western Europe. The course examines Montaigne's essays, travel journals, and important scholarly works on Montaigne, in the context of contemporary gender relations, colonial empire, religious belief, and early modern Europe's complex relationship with Greco-Roman Antiquity.

Prerequisite: VIC240Y1/ HIS243H1, or permission of the instructor

Recommended Preparation: Another course in Renaissance Studies or permission of the instructor

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC442H1 - The Renaissance Book

Hours: 24L

This course explores the intellectual and historical contexts of the Renaissance book and applies a digital humanities approach to its study, focusing on books printed in Western Europe between 1500 and 1700. Through a close examination of early and rare books, students explore three major areas in Renaissance intellectual history: 1) humanist rhetoric, politics, and literature, 2) Reformation studies, and 3) natural history, science, and medicine. Regular guest lectures sponsored by the Centre for Reformation and Renaissance Studies will introduce students to scholars from beyond the UofT; the course also involves experiential learning with digital exhibitions and rare books.

Prerequisite: 10.0 FCE's

Exclusion: VIC449H1 (Advanced Seminar in the Renaissance: Exhibiting the Renaissance Book), offered in Winter 2018 and Winter 2019

Recommended Preparation: VIC240Y1, or another course in Renaissance Studies

Distribution Requirements: Humanities

Breadth Requirements: Society and its Institutions (3)

VIC449Y1 - Advanced Seminar in the Renaissance

Hours: 24P/48S

An in-depth study in an aspect of the Renaissance based around lectures, seminars, and readings. Content in any given year depends on the instructor.

Recommended Preparation: VIC240Y1, or another course in Renaissance Studies.

Distribution Requirements: Humanities

VIC492H1 - Renaissance Studies Independent Study

Hours: TBA

This course provides an opportunity to design an interdisciplinary course of study, not otherwise available within the Faculty, with the intent of addressing specific topics in Renaissance studies. Written application (detailed proposal, reading list and a letter of support from a Victoria College faculty member who is prepared to supervise) must be submitted for approval on behalf of Victoria College. For application procedures visit the Victoria College website. Not eligible for CR/NCR option.

Prerequisite: A minimum CGPA of 3.0 and have completed 15 FCE and permission of College Program Director.

Distribution Requirements: Humanities

VIC492Y1 - Renaissance Studies Independent Study

Hours: TBA

This course provides an opportunity to design an interdisciplinary course of study, not otherwise available within the Faculty, with the intent of addressing specific topics in Renaissance studies. Written application (detailed proposal, reading list and a letter of support from a Victoria College faculty member who is prepared to supervise) must be submitted for approval on behalf of Victoria College. Not eligible for CR/NCR option.

For application procedures visit the Victoria College website.

Prerequisite: A minimum CGPA of 3.0 and have completed 15 FCE and permission of College Program Director.

Distribution Requirements: Humanities

VIC449H1 - Advanced Seminar in the Renaissance

Hours: 12P/24S

An in-depth study in an aspect of the Renaissance based around lectures, seminars, and readings. Content in any given year depends on the instructor.

Recommended Preparation: VIC240Y1, or another course in Renaissance Studies.

Distribution Requirements: Humanities

Science and Society

IVP210H1 - Holography for 3D Visualization

Hours: 24L/36P

An introduction to the theory and practice of holography. Human perception & 3D visualization; fundamentals of 3D modeling; ray and wave optics; interference, diffraction, coherence; transmission and reflection holograms; colour perception; stereograms. Applications of holography in art, medicine, and technology. Computer simulation, design, and construction of holograms.

Exclusion: JOP210H1

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

VIC206H1 - Psychology and Society

Hours: 24S

This course explores central developments and ongoing controversies in the scientific study of the human mind, brain and behaviour. It examines topics such as: psychoanalysis, behaviourism, humanistic psychology, evolutionary psychology, intelligence testing, and feminist perspectives. Goals include understanding the historical evolution and social relevance of scientific psychology.

Exclusion: VIC106H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC207H1 - Evolution, Genetics, and Behaviour

Hours: 24S

In this course we examine major episodes in the history of evolution and genetics in the twentieth century. Topics include Darwinian evolution, sociobiology and evolutionary psychology, eugenics, and genetic screening and therapy. We will examine different views about the control of evolution and genetic manipulation in their socio-cultural-economic context and discuss the ethical and social implications of those views.

Exclusion: VIC107H1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC274H1 - Wisdom of the Social Sciences

Hours: 24S

This course examines influential efforts to study human beings and society scientifically, from the seventeenth century to the present. We consider major contributions from prominent thinkers, such as Thomas Hobbes, Adam Smith, Karl Marx, and Sigmund Freud. We also review the contemporary relevance and persistent controversies about their ideas.

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC278H1 - Modelling Evil and Disease

Hours: 24S

Models frame our understanding and treatment of illness and are the most fundamental element of the scientific method. Theology, history, and literature may use models in different ways than natural and medical sciences but fundamentally all modelling is an attempt to accurately predict and manipulate the future.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

Semiotics and Communication Studies

VIC220Y1 - Post-Structuralism/ Post-Modernism

Hours: 48L

Studies the international culture emerging in media and literature and examines recent communication theory as it applies to literary, social and cultural issues.

Prerequisite: One course from: ANT100Y1/ LIN100Y1/ PHL100Y1/ SOC101Y1/(SOC102H1+ SOC103H1)/one FCE in Vic One.

Distribution Requirements: Social Science

Breadth Requirements: Creative and Cultural Representations (1); Thought, Belief and Behaviour (2)

VIC223Y1 - Signs, Meanings, and Culture

Hours: 48L/24T

This course will introduce the main elements of semiotic theory, applying it to the study of human culture, from language, myth, and art to popular forms of culture such as pop music and cinema. It will deal with primary texts in the development of semiotics, and cover a broad range of cultural applications of semiotic theory.

Distribution Requirements: Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

VIC320Y1 - Semiotics of Visual Art

Hours: 48L

Theories and models of applied semiotics: analysis of sign systems as articulated in various forms of artistic and cultural production.

Prerequisite: VIC220Y1/ VIC223Y1

Distribution Requirements: Social Science

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

VIC322H1 - Topics in Semiotics

Hours: 24S

An in-depth examination of some aspect of semiotic theory or practice. Content in any given year depends on instructor. Not offered every year.

Prerequisite: VIC220Y1/ VIC223Y1

Distribution Requirements: Social Science

Breadth Requirements: Creative and Cultural Representations (1)

VIC324H1 - Introduction to Forensic Semiotics

Hours: 24L

This course will introduce the field of forensic semiotics, which is new and in the process of being developed within the general field of semiotics. The course will look at the usage of semiotic notions, methods, and techniques in the area of forensic science. This includes the analysis of facial expression, sign-based clues left at crime scenes, body language, the symbolism of tattoos in gang behaviour, the role of ritual and slang in criminal gangs and in organized crime syndicates, and the analysis of conversations and written materials produced by criminals and their meanings. Experts in the field (from the judiciary, police, and other areas) will be invited to give guest lectures.

Prerequisite: VIC220Y1/ VIC223Y1

Distribution Requirements: Social Science

Breadth Requirements: Creative and Cultural Representations (1)

VIC325H1 - Media Semiotics

Hours: 24L

This course will deal with media semiotics, both in the traditional sense of the study of meanings in all media (from print to digital) and in how new digital media are changing the nature of signification and communication. The course will look at the usage of semiotics to study how meaning is negotiated in interactive media versus the older and still extant one-way media (print and radio, for example). The course will utilize actual media materials (comic books, television programs, text messages, and so on) on which semiotic analysis can be conducted.

Prerequisite: VIC220Y1/ VIC223Y1

Distribution Requirements: Social Science

Breadth Requirements: Creative and Cultural Representations (1)

VIC323Y1 - Theories of the Sign

Hours: 48L/24T

Theories of signification studied with a focus on major works in the semiotics of modern and contemporary culture.

Prerequisite: VIC220Y1/ VIC223Y1

Distribution Requirements: Social Science

Breadth Requirements: Creative and Cultural Representations (1)

Vic Capstone

VIC435H1 - Capstone Seminar: Community-Engaged Research

Hours: 12L/78P

This course provides students with an experiential learning opportunity in community-engaged research combined with critical reflection and academic discussion within a seminar setting. Through a placement in social enterprise organizations, students develop research-based approaches to support their organization in assessing needs, impact, and resources. Alongside this hands-on experience, interdisciplinary seminar discussions will help students understand how research methodologies, standards, and protocols are deployed in community settings. Not eligible for CR/NCR.

Prerequisite: 15.0 FCE in any subject. Application required.

Exclusion: NEW497Y1/ NEW498H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

VIC451H1 - Capstone: Learning Communities and Higher Education

Hours: 24S

This course examines higher education in Canada using Victoria University and Victoria's affiliates as a case study. Topics covered include learning communities, mentoring, experiential learning, and international contexts of education. Students gain practical mentorship experience through placement in first-year Victoria College courses. Not eligible for CR/NCR.

Prerequisite: Students must have a minimum CGPA of 3.0 and 15 completed FCE. Application required.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

VIC452H1 - Work-Integrated Capstone Course

Hours: 24S

This seminar provides academic support for individual work placements in a specific sector of employment, through interdisciplinary readings, integrative discussion, and critical reflection on the culture of labour and the acquisition of workplace skills and experience. Assignments will include reflective exercises and critical analyses, leading to participation in a capstone seminar. Not eligible for CR/NCR.

Prerequisite: Application required. Students should have a strong academic record and must have 15 completed FCE.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

VIC476H1 - Capstone Seminar in Foreign Policy

Hours: TBA

The seminar involves a critical assessment of current foreign policy issues and contemporary world problems. Issues and case studies to be analyzed include: 1. International military interventions to respond to imminent threats or humanitarian crises, issues of legitimacy and effectiveness. e.g., Iraq, Afghanistan, Kosovo, Haiti. 2. Canada-US relations in international crisis management, the track record and the way ahead. 3. Globalization, international terrorism, and their effects on sovereignty, diplomacy and international institutions.

Prerequisite: Completion of 15 FCE, and VIC181H or permission of the instructor. Application required.

Exclusion: POL470Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

VIC490H1 - Victoria College Independent Studies

Hours: TBA

These courses provide an opportunity to design an interdisciplinary course of study not otherwise available within the Faculty. Written application (detailed proposal, reading list and a letter of support from a Victoria College faculty member who is prepared to supervise) must be submitted for approval on behalf of Victoria College. For application procedures visit the Victoria College website. Not eligible for CR/NCR option.

Prerequisite: A minimum CGPA of 3.0 and have completed 15 FCE and permission of College Program Director.

Distribution Requirements: Social Science

VIC490Y1 - Victoria College Independent Studies

Hours: TBA

These courses provide an opportunity to design an interdisciplinary course of study not otherwise available within the Faculty. Written application (detailed proposal, reading list and a letter of support from a Victoria College faculty member who is prepared to supervise) must be submitted for approval on behalf of Victoria College. For application procedures visit the Victoria College website. Not eligible for CR/NCR option.

Prerequisite: A minimum CGPA of 3.0 and have completed 15 FCE and permission of College Program Director.

Distribution Requirements: Social Science

VIC493H1 - Vic Capstone Research Colloquium

Hours: 24S

This seminar provides work-in-progress support for students pursuing full-year or half-year Individual Studies projects. In an interdisciplinary seminar, students receive training and practice in project design, professional skills, and effective communication in a variety of fields and contexts. Not eligible for CR/NCR option.

Prerequisite: Students must have a minimum CGPA of 3.0 and 15 completed FCE. Application required.

Corequisite: Registration in an Independent / Individual Studies or Senior Essay course

Exclusion: POL499Y1; RLG404H1/ RLG405H1; UNI460H1; thesis seminars in other programs

Distribution Requirements: Humanities; Science; Social Science

VIC491H1 - Victoria College Independent Studies

Hours: TBA

These courses provide an opportunity to design an interdisciplinary course of study not otherwise available within the Faculty. Written application (detailed proposal, reading list and a letter of support from a Victoria College faculty member who is prepared to supervise) must be submitted for approval on behalf of Victoria College. For application procedures visit the Victoria College website. Not eligible for CR/NCR option.

Prerequisite: A minimum CGPA of 3.0 and have a completed 15 FCE and permission of College Program Director.

Distribution Requirements: Humanities

Other Vic Seminars

VIC259H1 - Special Topics Seminar

Hours: 24S

Topics vary from year to year depending on the instructor.

Prerequisite: Students must have completed a minimum of 5 FCE

Distribution Requirements: Humanities; Science; Social Science

VIC259Y1 - Special Topics Seminar

Hours: 48S

Topics vary from year to year depending on the instructor.

Prerequisite: Students must have completed a minimum of 5 FCE

Distribution Requirements: Humanities; Science; Social Science

VIC296H1 - Internship Opportunity

Hours: TBA

A practical or experiential learning opportunity under the supervision of a faculty member.

Prerequisite: Completion of 5 FCE

Distribution Requirements: Humanities; Social Science

VIC296Y1 - Internship Opportunity**Hours:** TBA

A practical or experiential learning opportunity under the supervision of a faculty member.

Prerequisite: Completion of 5 FCE**Distribution Requirements:** Humanities; Social Science**VIC390H1 - Victoria College Independent Studies****Hours:** TBA

These courses provide an opportunity to design an interdisciplinary course of study not otherwise available within the Faculty. Written application (detailed proposal, reading list and a letter of support from a Victoria College faculty member who is prepared to supervise) must be submitted for approval on behalf of Victoria College. For application procedures visit the Victoria College website. Not eligible for CR/NCR option.

Prerequisite: A minimum CGPA of 3.0 and have completed 10 FCE and permission of College Program Director.**Distribution Requirements:** Social Science**VIC299Y1 - Research Opportunity Program****Hours:** TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Humanities**VIC359H1 - Special Topics Seminar****Hours:** 24S

An upper level course. Topics vary from year to year depending on the instructor.

Prerequisite: Students must have completed a minimum of 10 FCE**Distribution Requirements:** Humanities; Science; Social Science**VIC390Y1 - Victoria College Independent Studies****Hours:** TBA

These courses provide an opportunity to design an interdisciplinary course of study not otherwise available within the Faculty. Written application (detailed proposal, reading list and a letter of support from a Victoria College faculty member who is prepared to supervise) must be submitted for approval on behalf of Victoria College. For application procedures visit the Victoria College website. Not eligible for CR/NCR option.

Prerequisite: A minimum CGPA of 3.0 and have completed 10 FCE and permission of College Program Director.**Distribution Requirements:** Social Science**VIC359Y1 - Special Topics Seminar****Hours:** 48S

An upper level course. Topics vary from year to year depending on the instructor.

Prerequisite: Students must have completed a minimum of 10 FCE**Distribution Requirements:** Humanities; Science; Social Science**VIC391H1 - Victoria College Independent Studies****Hours:** TBA

These courses provide an opportunity to design an interdisciplinary course of study not otherwise available within the Faculty. Written application (detailed proposal, reading list and a letter of support from a Victoria College faculty member who is prepared to supervise) must be submitted for approval on behalf of Victoria College. For application procedures visit the Victoria College website. Not eligible for CR/NCR option.

Prerequisite: A minimum CGPA of 3.0 and have completed 10 FCE and permission of College Program Director.**Distribution Requirements:** Humanities

VIC391Y1 - Victoria College Independent Studies

Hours: TBA

These courses provide an opportunity to design an interdisciplinary course of study not otherwise available within the Faculty. Written application (detailed proposal, reading list and a letter of support from a Victoria College faculty member who is prepared to supervise) must be submitted for approval on behalf of Victoria College. For application procedures visit the Victoria College website. Not eligible for CR/NCR option.

Prerequisite: A minimum CGPA of 3.0 and have completed 10 FCE and permission of College Program Director.

Distribution Requirements: Humanities

VIC459Y1 - Special Topics Seminar

Hours: 48S

Topics vary from year to year.

Prerequisite: Completion of 15.0 FCE

Distribution Requirements: Humanities; Science; Social Science

Breadth Requirements: Creative and Cultural Representations (1); Thought, Belief and Behaviour (2)

VIC397H0 - International Study

Hours: TBA

Course content, travel destination, etc., will depend on the instructor. Topics will vary from year to year. Course not offered every year. Not eligible for CR/NCR option.

Prerequisite: Completion of 9.0 FCE

Distribution Requirements: Humanities; Social Science

VIC399Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

VIC459H1 - Special Topics Seminar

Hours: 24S

Topics vary from year to year.

Prerequisite: Completion of 15.0 FCE

Distribution Requirements: Humanities; Science; Social Science

Breadth Requirements: Creative and Cultural Representations (1)

Women and Gender Studies

Faculty List

Professors

M. Murphy, BA, PhD
 K. Rittich, Mus Bac, LLM, SJD
 L. Yoneyama, BA, MA, PhD

Associate Professors

D. Georgis, BA, MA, PhD
 M. Lo, BA, MA, MSc, PhD
 B. McElhinny, BA, Ph D
 J. Taylor, BA, MA, PhD
 A. Trotz, BA, MPhil, PhD

Associate Professor, Teaching Stream

J. Larkin, BA, MEd, PhD

Assistant Professor

R. Diaz, BA, MPhil, PhD
 W.C. Johnson, AB, MA, MFA, PhD
 K. Recollet, BA, MA, PhD
 S. Sweeney, BA, MA, PhD

Professors Emerita

M.J. Alexander, BSW, MA, PhD
 K.P. Morgan, BA, MA, MEd, PhD

Introduction

For the past 40 years, we have trained students to think deeply about how gender and sexuality operate at the individual, interpersonal, institutional and global levels. Drawing from a range of disciplines such as history and literature, sociology and law, we enable students to answer urgent and complex questions, such as how militarization can constrict men's aspirations for their lives, why there are income disparities between women and men and how gender is scripted and re-scripted. In addition to training students to traverse the stanzas of a poem and a government report with equal care and skill in their quests, we also focus attention on matters of scale: when to aggregate and when to parse significant distinctions and how to think comparatively across space and time.

The Women and Gender Studies Institute at the University of Toronto is distinctive for its transnational approach, critically addressing how national borders and nationalist discourses frame the constructions of gender and sexuality. We study the effects of migration, diaspora and wars on experiences of home and heritage, family, desire and selfhood. We provide students the conceptual tools to connect processes of imperialism and globalization with emergent economies and forms of labor and consumption. Finally, we encourage students to reflect on the varied histories of feminism when framing their own activism in the present.

Our graduates go on to do innovative work in the public service, creative, and corporate sectors, becoming everything from documentary film-makers to grassroots activists to policy analysts in economic development agencies. All of them draw on the critical lens they develop in this program, becoming part of a rich community of graduates who maintain their connections with one another, and who come back to the classroom where they once were students to share their experiences.

Undergraduate Coordinator: Professor D. Georgis, New College, Room 2027 (416-978-4671).

Undergraduate Administrator: Marian Reed, New College, Room 2036 (416-978-3668).

Email: grad.womenstudies@utoronto.ca

Web site: <https://wgsi.utoronto.ca/>

Women and Gender Studies Programs

Women and Gender Studies Specialist Program (Arts Program) - ASSPE0571

Completion Requirements:

(10 full courses or their equivalent, including at least five full 300+ series courses and at least one WGS course at the 400-level)

1. WGS160Y1 (normally taken in first year)
2. WGS260H1
3. WGS360H1
4. WGS460Y1 and one additional full-course equivalent at the 400+ level
5. Four additional full-course equivalents from the core group below
6. Two additional full-course equivalents from Group A or B

Women and Gender Studies Major Program (Arts Program) - ASMAJ0571

Completion Requirements:

(7 full courses or their equivalent, including at least three full 300+ series courses and at least one half WGS course at the 400-level)

1. WGS160Y1 (normally taken in first year)
2. WGS260H1
3. WGS360H1
4. Three additional full-course equivalents from the core group below
5. Two additional full-course equivalents from group A or B

Women and Gender Studies Minor Program (Arts Program) - ASMIN0571

Completion Requirements:

1. WGS160Y1 or WGS271Y1.
2. An additional 3.0 credits from the WGS core group or group A. 1.0 of these credits must be WGS courses at the 3rd or 4th-year level.

Course Groups

Core Group

- [WGS160Y1 Introduction to Women and Gender Studies](#)
- [WGS260H1 Texts, Theories, Histories \(formerly WGS262H1/WGS262Y1\)](#)
- [WGS271Y1 Gender in Popular Culture](#)
- [WGS273H1 Gender & Environmental \(In\)Justice](#)
- [WGS275H1 Men and Masculinities](#)
- [WGS280H1 Special Topics in Women and Gender Studies](#)
- [WGS331H1 Special Topic in Women and Gender Studies](#)
- [WGS332H1 Special Topic in Women and Gender Studies](#)
- [WGS333H1 Special Topic in Women and Gender Studies](#)
- [WGS334H1 Special Topic in Women and Gender Studies](#)
- [WGS335H1 Special Topic in Women and Gender Studies](#)
- [WGS336H1 Selected Topics in Cultural Studies](#)
- [WGS340H1 Women and Revolution in the Middle East](#)
- [WGS350H1 Masculinities and the Human in an Age of Terror](#)
- [WGS355H1 Gendered Labour Around the World](#)
- [WGS360H1 Making Knowledge in a World that Matters](#)
- [WGS362H1 Selected Topics in Gender and History](#)
- [WGS363H1 Selected Topics in Gender and Theory](#)
- [WGS365H1 Gender Issues in the Law](#)
- [WGS367H1 The Politics of Gender and Health](#)
- [WGS369H1 Studies in Post-Colonialism](#)
- [WGS370H1 Utopian Visions, Activist Realities](#)
- [WGS372H1 Women and Psychology/ Psychoanalysis](#)
- [WGS373H1 Gender and Violence](#)
- [WGS374H1 Feminist Studies in Sexuality](#)
- [WGS376H1 Studies in Queer and Trans \(formerly WGS272H1/WGS272Y1\)](#)
- [WGS380H1 Feminist Graphic Novels](#)
- [WGS385H1 Gender and Neoliberalism](#)
- [WGS386H1 Gender and Critical Political Economy](#)
- [WGS395H1 Indigeneity\(s\), hub spaces and decolonization](#)
- [WGS396H1 Writing the Body](#)
- [WGS397H1 The Politics of Girlhood](#)
- [WGS420H1 Asian/North American Feminist Issues](#)
- [WGS426H1 Gender and Globalization: Transnational Perspectives](#)
- [WGS434H1 Advanced Topics in Women and Gender Studies](#)
- [WGS435H1 Advanced Topics in Women and Gender Studies](#)
- [WGS440H1 Decolonial Cyborgs for Planetary Futures](#)
- [WGS450H1 Modernity, Freedom, Citizenship: Gender and the Black Diaspora](#)
- [WGS451H1 Independent Study in Women and Gender Studies Issues](#)
- [WGS460Y1 Honours Seminar](#)
- [WGS461Y1 Advanced Topics in Women and Gender Studies](#)
- [WGS462H1 Advanced Topics in Gender and History](#)
- [WGS463H1 Advanced Topics in Gender Theory](#)
- [WGS465H1 Special Topics in Gender and the Law](#)
- [WGS470Y1 Community Engagement](#)
- [WGS480H1 Challenging Coloniality: Caribbean Sexualities in Transnational Perspective](#)

- [WGS481H1 Gender, Sexuality and Black Liberation from Black Power to #BlackLivesMatter](#)
- [WGS482H1 Translating Sexuality: Queer Migration, Queer Diasporas](#)

Group A

- [ANT343H1 Social Anthropology of Gender](#)
- [ANT456H1 Queer Ethnography](#)
- [ANT460H1 Global Perspectives on Womens Health](#)
- [CDN335H1 Black Canadian Studies](#)
- [CLA219H1 Women in Antiquity](#)
- [CLA319H1 Sexuality and Gender in Classical Literature](#)
- [ENG273Y1 Queer Writing](#)
- [ENG307H1](#)
- [ENG355H1](#)
- [FRE304H1 Contemporary French Women's Prose Fiction](#)
- [GGR320H1 Geographies of Transnationalism, Migration, and Gender](#)
- [GGR327H1 Geography and Gender](#)
- [HIS202H1 Gender, Race and Science](#)
- [HIS205H1 Topics in Women's History](#)
- [HIS297Y1 History of Africa from a Gender Perspective](#)
- [HIS306H1 Islam and Muslims in the Balkans](#)
- [HIS348H1 Topics in Gender History](#)
- [HIS354H1 Men, Gender and Power in Europe from the Renaissance to the French Revolution](#)
- [HIS363H1 Dynamics of Gender in Canadian History](#)
- [HIS383Y1 Women in African History](#)
- [HIS406H1 Advanced Topics in Gender History](#)
- [HIS446H1 Gender and Slavery in the Atlantic World](#)
- [HIS448H1 Gender in East and Southeast Asia](#)
- [HIS481H1 Elite Women, Power, and Modernity in Twentieth-Century Africa](#)
- [ITA455H1 Women Writers in Italy](#)
- [JAL355H1 Language and Gender](#)
- [JPS315H1 Sexual Diversity Politics](#)
- [NEW325H1 Caribbean Women Thinkers](#)
- [NEW454H1 Migration, Mobility, and Displacement in Contemporary Africa](#)
- [NMC284H1 Topics in Judaism and Feminism: Conflict, Competition, Complement](#)
- [NMC484H1 Gender-related Topics in Law and Religion](#)
- [PHL243H1 Philosophy of Human Sexuality](#)
- [PHL367H1 Philosophy of Feminism](#)
- [POL344Y1 Social Movements in Europe and North America](#)
- [POL432H1 Feminist Theory: Challenges to Legal and Political Thought](#)
- [POL450H1 Women and Politics](#)
- [PSY323H1 Sex Roles and Behaviour](#)
- [RLG235H1 Religion, Gender, and Sexuality](#)
- [RLG311H1 Gender, Body and Sexuality in Asian Traditions](#)
- [RLG312H1 Gender, Body and Sexuality in Islam](#)
- [RLG313H1 Gender, Sexuality and Religion in the West](#)
- [RLG315H1 Rites of Passage](#)
- [RLG416H1 Topics in Religion and Gender](#)
- [SLA248H1 Women and Women's Themes in Ukrainian Literature](#)
- [SOC214H1 Family Patterns](#)
- [SOC265H1 Gender and Society](#)

- [SOC314H1 Family Relations](#)
- [SOC365H1 Gender Relations](#)
- [SOC366H1 Sociology of Women and Work](#)
- [SOC367H1 Race, Class, and Gender](#)
- [SOC383H1 The Sociology of Women and International Migration](#)
- [SOC465H1 Advanced Studies in Gender](#)
- [SPA382H1 Spanish American Women in Art, Film, and Literature](#)
- [VIC342H1 Women and Writing in the Renaissance](#)
- [VIC343Y1 Sex and Gender](#)

Group B

- [ANT329H1 Language & Power Structure](#)
- [ANT427H1 Language, Ideology, & Political Economy](#)
- [ANT477H1 Transnational Korea in and outside the Peninsula](#)
- [CIN332Y1 Screening Race](#)
- [CIN372Y1 Contemporary World Cinema](#)
- [CIN432H1 Advanced Study in Cinema as Social and Cultural Practice](#)
- [EAS314H1 Culture & World After Hiroshima & Nagasaki](#)
- [ENG270Y1](#)
- [ENG323H1 Austen and Her Contemporaries](#)
- [ENG370H1](#)
- [FCS390H1 Special Topics in French Cultural Studies II](#)
- [GER250H1 Topics in German Film History \(E\)](#)
- [GGR328H1 Labour Geographies](#)
- [GGR363H1 Critical Geographies: An Introduction to Radical Ideas on Space, Society and Culture](#)
- [GGR457H1 The Post-War Suburbs](#)
- [HIS459H1 Soviet History and Film, 1921-1946](#)
- [HIS474H1 Emancipate Yourselves from Mental Slavery? Historical Narratives of Caribbean Decolonisation](#)
- [JHA394H1 The Asia Pacific War](#)
- [JPR364Y1 Religion and Politics](#)
- [NEW214H1 Socially Engaged Buddhism](#)
- [NEW240Y1 Introduction to Equity Studies](#)
- [NEW241Y1 Introduction to Disability Studies](#)
- [NEW302Y1 C.G. Jung: Stories, Patterns, Symbols](#)
- [NEW341H1 Theorizing Equity](#)
- [NEW344Y1 Equity and the Body](#)
- [NEW345H1 Equity and Activism in Education](#)
- [NEW351Y1 African Systems of Thought](#)
- [NEW449H1 Contemporary Theories in Disability Studies](#)
- [NMC384H1 Life Cycle and Personal Status in Judaism](#)
- [PHL268H1 Philosophy and Social Criticism](#)
- [PHL281H1 Bioethics](#)
- [PHL373H1 Issues in Environmental Ethics](#)
- [PHL380H1 Global Bioethics](#)
- [PHL384H1 Ethics, Genetics and Reproduction](#)
- [POL480H1 Studies in Comparative Political Theory](#)
- [SDS255H1 Histories of Sexuality](#)
- [SDS256H1 Methods in Sexual Diversity Studies](#)
- [SDS345H1 Sex and the Epidemic: Social Work, HIV, and Human Sexuality](#)
- [SDS346H1 Feminist and Queer Approaches to Technology](#)
- [SDS354H1 Theories of Sexuality I: Western Trajectories](#)
- [SDS355H1 Theories of Sexuality](#)

- [SDS365H1 Sexuality and Law](#)
- [SDS377H1 Lesbian Studies: Identity/Theory/Culture](#)
- [SDS379H1 Queer Popular Culture](#)
- [SDS382H1 Intro to Queer of Colour Critique](#)
- [SDS475H1 The New Queer Visibility](#)
- [SDS477H1 Transgender Studies](#)
- [SDS478H1 Queer Musics](#)
- [SOC207H1 Sociology of Work & Occupations](#)
- [SOC220H1 Social Inequality in Canada](#)
- [SOC309H1 HIV and AIDS: Social Policies and Programs](#)
- [HST211H1 Health Policy in Canada](#)
- [HST310H1 Critical Health Policy](#)
- [HST330H1 Population Health](#)
- [VIC341H1 The Self and Society: Women, Men and Children](#)

Women and Gender Studies Courses

WGS160Y1 - Introduction to Women and Gender Studies

Hours: 48L/24T

An integrated and historical approach to social relations of gender, race, class, sexuality and disability, particularly as they relate to womens lives and struggles across different locales, including Canada.

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Creative and Cultural Representations (1); Thought, Belief and Behaviour (2)

WGS260H1 - Texts, Theories, Histories (formerly WGS262H1/WGS262Y1)

Hours: 24L/12T

Examines modes of theories that shaped feminist thought and situates them historically and transnationally so as to emphasize the social conditions and conflicts in which ideas and politics arise, change and circulate.

Exclusion: WGS262H1/ WGS262Y1

Recommended Preparation: WGS160Y1

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

WGS271Y1 - Gender in Popular Culture**Hours:** 48L

A critical examination of institutions, representations and practices associated with contemporary popular culture, mass-produced, local and alternative.

Exclusion: WGS271H1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**WGS273H1 - Gender & Environmental (In)Justice****Previous Course Number:** WGS273Y1**Hours:** 48L/24T

Using a transnational, feminist framework, this course examines material and conceptual interrelations between gendered human and non-human nature, ecological crises, political economies and environmental movements in a variety of geographical, historical and cultural contexts. Does environmental justice include social justice, or are they in conflict? What might environmental justice and activism involve?

Exclusion: WGS273Y1**Distribution Requirements:** Humanities; Social Science**Breadth Requirements:** Society and its Institutions (3)**WGS275H1 - Men and Masculinities****Hours:** 24L/12T

Examines how masculinities shape the lives of men, women, transgender people. Effects of construction, reproduction and impact of masculinities on institutions such as education, work, religion, sports, family, medicine, military and the media are explored. Provides critical analysis of how masculinities shape individual lives, groups, organizations and social movements.

Recommended Preparation: WGS160Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**WGS280H1 - Special Topics in Women and Gender Studies****Hours:** 24L

Subjects will vary from year to year.

Distribution Requirements: Humanities; Social Science**Breadth Requirements:** Thought, Belief and Behaviour (2)**WGS281H1 - Special Topics in Women and Gender Studies****Hours:** 24L

Subjects vary from year to year.

Distribution Requirements: Humanities; Social Science**Breadth Requirements:** Thought, Belief and Behaviour (2)**WGS331H1 - Special Topic in Women and Gender Studies****Hours:** 24L

An upper level seminar. Subjects of study vary from year to year.

Recommended Preparation: WGS160Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**WGS332H1 - Special Topic in Women and Gender Studies****Hours:** 24L

An upper level seminar. Subjects of study vary from year to year.

Recommended Preparation: WGS160Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**WGS333H1 - Special Topic in Women and Gender Studies****Hours:** 24L

An upper level seminar. Subjects of study vary from year to year.

Recommended Preparation: WGS160Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

WGS334H1 - Special Topic in Women and Gender Studies

Hours: TBA

An upper level seminar. Subjects of study vary from year to year. Please consult the [Women & Gender Studies Institute's website](#) for more information.

Recommended Preparation: WGS160Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

WGS350H1 - Masculinities and the Human in an Age of Terror

Hours: 24L

This course contextualizes racialized masculinities and violence within postcolonial and anti-imperial discussions on contemporary discourses of terror. Working with concepts in gender and queer studies, this course draws on cultural production to offer a complex reading of masculinities and what it means to be human in conflict zones.

Recommended Preparation: WGS262H1/ WGS262Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

WGS335H1 - Special Topic in Women and Gender Studies

Hours: TBA

An upper level seminar. Subjects of study vary from year to year.

Recommended Preparation: WGS160Y1

Distribution Requirements: Humanities

WGS336H1 - Selected Topics in Cultural Studies

Hours: 24L

An upper level course. Topics vary from year to year. Please consult the [Women & Gender Studies Institute's website](#) for more information.

Recommended Preparation: WGS160Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

WGS355H1 - Gendered Labour Around the World

Hours: 24L

This course will focus on masculinities and femininities in workplace settings, with an emphasis on service work around the world. We will discuss workers' lived experiences of gender regimes which are embedded within the dynamics of class, race and nation. The relationships between gender processes and workplace hierarchies will be explored.

Exclusion: WGS363H1 Gendered Labour Around the World

Recommended Preparation: WGS160Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

WGS360H1 - Making Knowledge in a World that Matters

Hours: 24L/12T

Teaches skills in feminist approaches to making knowledge. Introduces feminist practices for doing research and navigating the politics of production and exchange. Develops skills for conveying knowledge to the wider world, such as through research papers, reports, performance, new media, art.

Prerequisite: WGS160Y1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Creative and Cultural Representations (1)

WGS340H1 - Women and Revolution in the Middle East

Hours: 24L

This course examines the complex and conflictual relations between women and revolutionary struggles and focuses on a number of theoretical and empirical issues relevant to the Middle East and North Africa context.

Exclusion: WGS335H1 Women and Revolution in the Middle East

Recommended Preparation: WGS160Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

WGS362H1 - Selected Topics in Gender and History

Hours: 24S

An upper level seminar. Subjects of study vary from year to year.

Recommended Preparation: WGS160Y1
Distribution Requirements: Humanities

WGS369H1 - Studies in Post-Colonialism

Previous Course Number: NEW369H1

Hours: 24L

Examines gendered representations of race, ethnicity, class, sexuality and disability in a variety of colonial, neo-colonial, and post-colonial contexts. Topics may include the emergence of racialist, feminist, liberatory and neoconservative discourses as inscribed in literary texts, historical documents, cultural artifacts and mass media.

Exclusion: NEW369H1

Recommended Preparation: WGS160Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

WGS363H1 - Selected Topics in Gender and Theory

Hours: 24S

An upper level seminar. Subjects of study vary from year to year.

Recommended Preparation: WGS160Y1
Distribution Requirements: Humanities

WGS370H1 - Utopian Visions, Activist Realities

Hours: 24L

Drawing on diversely situated case-studies, this course focuses on the ideals that inform struggles for social justice, and the mechanisms activists have employed to produce the change. Foci include the gendered implications of movement participation, local and transnational coalition, alternative community formation, and encounters with the state and inter/supra/transnational organizations.

Recommended Preparation: WGS160Y1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

WGS365H1 - Gender Issues in the Law

Hours: 24L

Examines the operation of the law as it affects women, the construction and representation of women within the legal system, and the scope for feminist and intersectional analyses of law. Includes an analysis of specific legal issues such as sexuality and reproduction, equality, employment, violence and immigration.

Recommended Preparation: WGS160Y1
Distribution Requirements: Humanities; Social Science
Breadth Requirements: Society and its Institutions (3)

WGS372H1 - Women and Psychology/Psychoanalysis

Hours: 24L

An interdisciplinary analysis of the relationship of women to a variety of psychological and psychoanalytical theories and practices. Topics may include women and the psychological establishment; women's mental health issues; feminist approaches to psychoanalysis.

Recommended Preparation: WGS160Y1

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

WGS367H1 - The Politics of Gender and Health

Hours: 24L/12T

Examines diverse traditions and normative models of health (e.g. biomedicine, social constructionist, indigenous health) in conjunction with analyses of the origin, politics, and theoretical perspectives of contemporary Womens Health Movements. Topics may include fertility, sexuality, poverty, violence, labour, ageing, (dis)ability, and health care provision.

Recommended Preparation: WGS160Y1
Distribution Requirements: Humanities; Social Science
Breadth Requirements: Society and its Institutions (3)

WGS373H1 - Gender and Violence**Hours:** 24L

An interdisciplinary study of gendered violence in both historical and contemporary contexts including topics such as textual and visual representations; legal and theoretical analyses; structural violence; war and militarization; sexual violence; and resistance and community mobilization.

Recommended Preparation: WGS160Y1; WGS350H1**Distribution Requirements:** Humanities; Social Science**Breadth Requirements:** Society and its Institutions (3)**WGS380H1 - Feminist Graphic Novels****Hours:** 24L

Comics aren't new, and graphic novels aren't either, but feminists have built a rich array of stories about consciousness, resistance, and coming of age in this genre that warrant scholarly attention. In this case, we will read graphic novels for their subtleties, thinking about what picture and text make possible in the exploration of emotion, interconnection, and identity. Reading about resistance to marriage in *Ay of Yop City*, a child's view of revolution in *Persropolis*, parent child reckoning in *Fun Home*, and loneliness in *Skim* will advance students' understandings of the power of narrative and the pictorial displacement of innocence.

Recommended Preparation: WGS160Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**WGS374H1 - Feminist Studies in Sexuality****Hours:** 24L

Sexual agency as understood and enacted by women in diverse cultural and historical contexts. An exploration of the ways in which women have theorized and experienced sexual expectations, practices and identities. This course will be offered every three years.

Recommended Preparation: WGS160Y1; WGS271Y1**Distribution Requirements:** Humanities; Social Science**Breadth Requirements:** Thought, Belief and Behaviour (2)**WGS381H1 - Black Britain: Race, Gender and Entangled Diasporas****Hours:** 24L

An exploration of Black British history and culture, with a particular focus on labour, overlapping migrations, and racial formations following World War II. Topics and themes may include Afro-Asian-Arab politics and transnational solidarities against empire; citizenship and (non)belonging; mobilizations against fascism and state violence; the Black Women's Movement and Black British Feminisms; the emergence and interventions of Cultural Studies; the Caribbean Artists Movement and Black British cultural productions more generally.

Recommended Preparation: WGS160Y1 and completion of at least 4.0 FCE**Distribution Requirements:** Humanities**Breadth Requirements:** Thought, Belief and Behaviour (2)**WGS376H1 - Studies in Queer and Trans
(formerly WGS272H1/WGS272Y1)****Hours:** 24L

Takes up conversations in queer and trans studies as separate and entangled fields. It explores how queer and trans people have experienced and theorized gender and sexuality.

Exclusion: WGS272H1/ WGS272Y1**Recommended Preparation:** WGS160Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)**WGS382H1 - Decolonial Aesthetics and Indigenous Futurities****Hours:** 24L

Students are invited to think through the relationships between Indigenous and Afro-futurist concepts and land. This class will engage indigenous feminist and emergent indigenous queer theories to Indigenous and Afro-futurist thought. We explore various 'texts' relating to theoretical concepts and methodologies emerging from Indigenous decolonial work towards land and futures.

Exclusion: WGS335H1 (Special Topic in Women and Gender Studies: Decolonial Aesthetics and Futurities), offered in Winter 2018 and Winter 2019**Recommended Preparation:** WGS160Y1 and completion of at least 4.0 FCE**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

WGS385H1 - Gender and Neoliberalism**Hours:** 24L

Reviews major feminist transnational, Marxist and Foucaultian approaches to the study of neoliberalism. Adopts a comparative, historical and global approach to the ways that gender is implicated in state restructuring, changing roles for corporations and non-governmental organizations, changing norms for personhood, sovereignty and citizenship, and changing ideas about time/space.

Recommended Preparation: WGS160Y1**Distribution Requirements:** Humanities; Social Science**Breadth Requirements:** Society and its Institutions (3)**WGS397H1 - The Politics of Girlhood****Hours:** 24L

The course communicates the growing field of "girl studies" and provides a critical exploration of the historical, social, psychological and political definitions attached to girlhood. We will move toward a feminist understanding of how definitions of girl-child shape individual experience, historical narratives, cultural representations, political agendas and futures.

Exclusion: WGS335H1: The Politics of Girlhood**Recommended Preparation:** WGS160Y1**Distribution Requirements:** Humanities; Social Science**Breadth Requirements:** Thought, Belief and Behaviour (2)**WGS386H1 - Gender and Critical Political Economy****Hours:** 24L

Offers a critical analysis of political economy, its historical and contemporary contentions and the ruptures that open the space for alternative theorizing beyond orthodox and heterodox thinking, by inserting gender and intersecting issues of power, authority and economic valorization across multiple and changing spheres: domestic, market and state.

Recommended Preparation: WGS160Y1; WGS273Y1**Distribution Requirements:** Humanities; Social Science**Breadth Requirements:** Society and its Institutions (3)**WGS420H1 - Asian/North American Feminist Issues****Hours:** 24L

A transpacific examination of issues that have directly and indirectly shaped the feminist and other related critical inquiries in Asia and among the Asian diasporas in Canada and the United States.

Prerequisite: WGS160Y1, one full course at the 300+ level in WGS, and one half course in WGS.**Distribution Requirements:** Humanities**Breadth Requirements:** Society and its Institutions (3)**WGS426H1 - Gender and Globalization: Transnational Perspectives****Hours:** TBA

Critically examines current interdisciplinary scholarship on globalization, its intersections with gender, power structures, and feminized economies. Related socio-spatial reconfigurations, 'glocal' convergences, and tensions are explored, with emphasis on feminist counter-narratives and theorizing of globalization, theoretical debates on the meanings and impacts of globalization, and possibilities of resistance, agency, and change.

Prerequisite: WGS160Y1, one full course at THE 300+ level in WGS, and one half course in WGS.**Exclusion:** WGS463H1, fall session 2009**Distribution Requirements:** Social Science**Breadth Requirements:** Society and its Institutions (3)**WGS396H1 - Writing the Body****Hours:** 24L

Examines the ways in which bodies are lived and inscribed and represented through a variety of genres. Students will work through issues of corporeality and materiality in the production and reception of texts and will practice embodied writing on a personal level through in-class workshops and written assignments.

Exclusion: WGS332H1: Writing the Body**Recommended Preparation:** WGS160Y1**Distribution Requirements:** Humanities**Breadth Requirements:** Creative and Cultural Representations (1)

WGS434H1 - Advanced Topics in Women and Gender Studies

Hours: 24S

An upper level seminar. Topics vary from year to year depending on instructor. Please consult the [Women & Gender Studies Institute's website](#) for more information.

Prerequisite: WGS160Y1, one full course at THE 300+ level in WGS, and one half course in WGS.

Distribution Requirements: Humanities

WGS450H1 - Modernity, Freedom, Citizenship: Gender and the Black Diaspora

Hours: 24L

Explores transnational feminist genealogies of the black diaspora. The course pays attention to the contexts and movements that generated key questions, exploring how these interventions disclose preoccupations with modernity, freedom and citizenship. Topics may include trauma and memory, sexual citizenship, Afrofuturism, indigeneity, and the crafting of political communities.

Prerequisite: WGS160Y1, one full course at the 300+ level in WGS, and one half course in WGS.

Exclusion: WGS434H1 Black Diasporic Feminisms: Modernity, Freedom, Citizenship

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

WGS435H1 - Advanced Topics in Women and Gender Studies

Hours: 24S

An upper level seminar. Topics vary from year to year depending on instructor.

Prerequisite: WGS160Y1, one full course at THE 300+ level in WGS, and one half course in WGS.

Distribution Requirements: Humanities

WGS451H1 - Independent Study in Women and Gender Studies Issues

Hours: TBA

Under supervision, students pursue topics in Women and Gender Studies not currently part of the curriculum. Not eligible for CR/NCR option.

Prerequisite: Permission of the Undergraduate Coordinator, Women and Gender Studies Program.

Distribution Requirements: Humanities

WGS440H1 - Decolonial Cyborgs for Planetary Futures

Hours: 24L

Drawing together film, fiction, and theory this course invites students to explore ways of imagining other worlds. From afro-futurism to planetary humanism, from cyborgs to hauntings, from science fiction fantasies to the politics of aliens, the course examines and produces feminist, postcolonial, anti-racist, and queer visions of other worlds.

Prerequisite: WGS160Y1, one full course at the 300+ level in WGS, and one half course in WGS.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

WGS460Y1 - Honours Seminar

Hours: 24S

Supervised undergraduate thesis project undertaken in the final year of study. Students attend a bi-weekly seminar to discuss research strategies, analytics, methods and findings. A required course for Specialist students. Not eligible for CR/NCR option.

Prerequisite: WGS160Y1, one full course at the 300+ level in WGS, and one half course in WGS.

Distribution Requirements: Humanities; Social Science

WGS461Y1 - Advanced Topics in Women and Gender Studies

Hours: 48S

An upper level seminar. Topics vary from year to year depending on the instructor.

Prerequisite: WGS160Y1, one full course at the 300+ level in WGS, and one half course in WGS.

Distribution Requirements: Humanities

WGS470Y1 - Community Engagement

Hours: 48S

The application of theoretical study to practical community experience. Advanced Women and Gender Studies students have the opportunity to apply knowledge acquired in the Women and Gender Studies curriculum through a practicum placement within a community organization. Not eligible for CR/NCR option.

Prerequisite: WGS160Y1, one full course at the 300+ level in WGS, and one half course in WGS.

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

WGS462H1 - Advanced Topics in Gender and History

Hours: 24S

An upper-level seminar. Topics vary from year to year depending on instructor.

Prerequisite: WGS160Y1, one full course at the 300+ level in WGS, and one half course in WGS.

Distribution Requirements: Humanities

WGS480H1 - Challenging Coloniality: Caribbean Sexualities in Transnational Perspective

Previous Course Number: WGS435H1S

Hours: 24S

This course foregrounds the Caribbean as a transnational space, where sexuality, gender, race and class are intimately connected and shaped by colonial legacies and contemporary circuits of globalization.

Prerequisite: WGS160Y1, one full course at the 300+ level in WGS, and one half course in WGS.

Exclusion: WGS435H1 (Topics: Challenging Coloniality: Caribbean Sexualities in Transnational Perspective), offered in Summer 2017

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Thought, Belief and Behaviour (2)

WGS463H1 - Advanced Topics in Gender Theory

Hours: 24S

Senior students may pursue more advanced study in feminist theory. Topics vary from year to year depending on instructor.

Prerequisite: WGS160Y1, one full course at the 300+ level in WGS, and one half course in WGS.

Distribution Requirements: Humanities

WGS465H1 - Special Topics in Gender and the Law

Hours: 24S

Senior students may pursue advanced study in gender and law. Topics vary from year to year.

Prerequisite: WGS160Y1, WGS365H1, one half course at the 300+ level in WGS, and one half course in WGS

Distribution Requirements: Humanities; Social Science

Breadth Requirements: Society and its Institutions (3)

WGS481H1 - Gender, Sexuality and Black Liberation from Black Power to #BlackLivesMatter

Previous Course Number: WGS435H1

Hours: 24S

This course maps genealogies of black insurgency and transnational itineraries of intersectional theorizing, organizing, and praxis from the 20th century to our present moment. Through close study of works by and about black revolutionary migrants, exiles, intellectuals, fugitives, and so-called terrorists, participants will critique and create radical visions for emancipation. Major topics and themes may include black feminisms; queer insurgencies; transnational imaginaries and solidarities; silence and intracommunal violence; accountability and transformative justice. Through collective discussion, writing, and reflection we interrogate visions and strategies of emancipation, and imagine radical futures historically and in our own times.

Prerequisite: WGS160Y1, one full course at the 300+ level in WGS, and one half course in WGS

Exclusion: WGS435H1 (Topics: Sex, Gender and Revolution from Black Power to #BlackLivesMatter), offered in Winter 2017 and Fall 2017

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

WGS482H1 - Translating Sexuality: Queer Migration, Queer Diasporas

Previous Course Number: WGS434H1

Hours: 24S

This course examines how notions of sexuality travel as people move within and beyond national borders. It investigates how queer and trans migrants pursue different versions of belonging, solidarity, survival, and hope. Participants will study transnational archives (which may include popular culture, new media, film, literature, and performance) as they trace globalization's effects on racialized, queer, and trans communities. Major topics may include: queer of color critique; queer settler colonialism; transnational and global south sexualities; imperialism and militarism; neoliberalism and homonationalism; humanitarianism and sexual rights; queer and trans social movements; postcolonial intimacies.

Prerequisite: WGS160Y1, one full course at the 300+ level in WGS, and one half course in WGS

Exclusion: WGS434H1 (Topics: Trans/national Sexuality), offered in Fall 2016 and Fall 2017

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Woodsworth College

Faculty List

Associate Professor, Teaching Stream, Emeritus

J.B. Rose, BA, MA

Associate Professors, Teaching Stream

B. Fischer, MA, Ph D
 W.B. MacDonald, BA, MA
 T. Moritz, MA, Ph D
 T.P. Socknat, MA, Ph D

Assistant Professor, Teaching Stream

A. Bolintineanu, MA, Ph D

Introduction

Woodsworth College is named in honour of James Shaver Woodsworth (1874-1942), minister, pacifist, social activist and Member of Parliament, who was strongly committed to broadening educational opportunities for all. The College remains faithful to its mission of promoting accessibility and equity, providing two access programs for students seeking admission to the Faculty of Arts and Science: the Millie Rotman Shime Academic Bridging Program and the Diploma to Degree Transfer Program. In addition, Woodsworth offers rewarding educational experiences through its distinctive College One programs, a selection of First-Year Foundation courses, and the Summer Abroad programs. The Minor program in Digital Humanities prepares students for future paths ranging from graduate studies in literature, history, library science, and other fields, to careers as technical writers, data analysts and visualizers, project managers, and programmers.

Regardless of College affiliation, you are encouraged to explore the exceptional range of programs offered by [Woodsworth College](#).

Woodsworth College
 119 St. George Street
 Toronto ON M5S 1A9
www.wdw.utoronto.ca
 Facebook: <https://www.facebook.com/WoodsworthCollege>
 Twitter: <https://twitter.com/WWCollege>

Woodsworth College Programs

Listed in this order:

- Digital Humanities (Minor program)
- First-Year Foundation Options
 - First-Year Seminars
 - Woodsworth One
- Summer Abroad Programs
- Access Programs
 - Millie Rotman Shime Academic Bridging Program
 - Diploma to Degree

Digital Humanities (Minor program)

Digital humanities (DH) is a discipline at the intersections of the humanities with computing. DH studies human culture -- art, literature, history, geography, religion -- through computational tools and methodologies; and, in turn, DH studies the digital through humanist lenses. Digital humanists study social media phenomena or medieval manuscript archives; computationally analyze thousands of newspaper articles to trace economic developments;

construct video games to study literary narratives; or resurrect historical cities through digital maps and virtual reality exhibits.

In introductory and advanced DH courses, students learn about the intellectual landscape of digital humanities scholarship. They learn how to build digital stories, exhibits, and maps; how to digitize rare books; how to analyze collections of data; how to construct digital models and 3D-print them; and how to manage major digital projects. By the end of the program, students conduct a major DH research project of their own or participate in the research of an established faculty project. Throughout the program, students gain a critical perspective on digital technologies, learning to consider the ways digital platforms shape, and are shaped by, the currents of wider social and cultural forces. By providing this critical and technical skillset, the Digital Humanities Minor prepares students for future paths that range from graduate studies in literature, history, library science, education, or computer science, to careers as technical writers, data analysts and visualizers, project managers, or programmers.

Enquiries:

digital.humanities@utoronto.ca
www.wdw.utoronto.ca

First-Year Foundation Options

Woodsworth College offers two kinds of First Year Foundation options: individual FYF H seminars on a variety of topics, and our College One, in two streams that consist of two H seminars each, for students interested in a deeper level of engagement in this part of their first year experience. All our First Year Foundation seminars offer an intellectually challenging introduction to university-level studies and are designed to complement other first-year courses, thereby enhancing academic success in the first year and beyond. They promote the development of strong critical thinking, information literacy, oral and written communication skills, and awareness of both the distinctive nature of particular academic disciplines and the practices and values common to all academic work.

FYF Seminars

Woodsworth's FYF seminars, all of which are stand-alone H courses, are designed to provide first-year students with the opportunity to work closely with an instructor and fellow students in a class of no more than 30, maximizing opportunities for class discussion and the development of essential academic skills. Each seminar focuses on specific disciplinary or interdisciplinary issues, questions or controversies of particular interest to the instructor, and introduces the students to the excitement of discovery inherent in academic research and scholarship at the University of Toronto. Wide-ranging readings and assignments encourage students to develop their ability to think critically and to express ideas and arguments clearly and coherently, both orally and in writing.

Please check the [timetable](#) for Woodsworth College's current offerings of FYF seminars.

Woodsworth One

Woodsworth One has two streams, both of which take an interdisciplinary approach to their topics, drawing on a wide range of Social Sciences and Humanities perspectives. The Order and Disorder stream focuses on the role of laws, values, government policies, trade, and innovation in creating and disrupting both social and global order. The Popular Culture Today stream examines the products of the entertainment industry and the social behaviours associated with their consumption, exploring how popular culture works and what it means.

Students take two half-credit seminars – one in each term – and participate in regular co-curricular activities that build students' sense of community within Woodsworth College and across the University of Toronto as a whole. Seminars are capped at 30 students to maximize opportunities for participation and to promote close contact with both the instructor and fellow students. The emphasis is on class discussion and problem-based learning. Students participate in role-playing games, simulations, debates and more. The co-curricular activities include field trips, film screenings, guest speakers, writing and research workshops, and test-taking seminars.

The Woodsworth One team is dedicated to supporting students' transition to university life, and to guiding their academic planning. In addition to the Program Coordinator, course instructors, and teaching assistants, the team includes the College Writing Centre, the College Learning Strategist, a dedicated Registrar, a program administrator, and student mentors. Each member of the team seeks to create a strong sense of community and to set students up for academic success.

Woodsworth One is geared towards first-year students enrolled in Social Sciences and Humanities within the Faculty of Arts and Sciences. In keeping with Woodsworth College's tradition of open access, there is no incoming grade requirement. Students participating in any other One program are excluded from Woodsworth One.

Woodsworth Annex
123 St. George Street - Room 305 | Toronto ON M5S 1A9
one.wdw@utoronto.ca
<http://one.wdw.utoronto.ca/>

Summer Abroad Programs

Students can prepare themselves for a future in the global village by participating in a Summer Abroad program and complete a University of Toronto course overseas in three to six weeks. These programs are designed to enrich students' academic lives by providing an exciting and educational international experience. Learning is not limited to the classroom; students will observe and experience many of the things they study, including the language, history, culture, art, religion, business, and politics of the host country.

Woodsworth College
119 St. George Street - 3rd floor | Toronto ON M5S 1A9
summer.abroad@utoronto.ca
<https://summerabroad.utoronto.ca/>

Millie Rotman Shime Academic Bridging Program

The Academic Bridging Program is designed for individuals who have been away from formal education for some time and do not meet the University's established requirements for direct entry admission. These courses are intended to help ease the transition into first-year university courses in Humanities and Social Sciences after time away from prior education. Both part-time and full-time options are available to students. Students who successfully complete the Academic Bridging Program, earning a grade of 63% or above, are admitted to the Faculty of Arts and Science at the University of Toronto, with one full credit towards their degree for those who complete the part-time Academic Bridging Program. Students who complete the full-time program may transfer up to two full credits towards their degree.

Woodsworth College
119 St. George Street - Room 220 | Toronto ON M5S 1A9
416-978-4444
academic.bridging@utoronto.ca
wdw.utoronto.ca/bridging

Diploma to Degree

The Diploma to Degree program is a pathway to university studies for students completing a two-year liberal arts diploma at one of our partner institutions, including George Brown College, Humber College and Seneca College. The Diploma to Degree Program is a facilitated transfer program into Woodsworth College in the Faculty of Arts and Science at the University of Toronto. The program is designed for students to transfer into programs in the social sciences and humanities with up to 6 transfer credits and retained credits from courses completed at the University of Toronto.

To be eligible for transfer, students must:

- Complete the 2-year diploma with a minimum 3.0 GPA
- Receive a recommendation from your college
- Have a minimum grade of 60% in a qualifying course at the University of Toronto.

Enquiries:

diplomatodegree@utoronto.ca
wdw.utoronto.ca/diploma-to-degree

Woodsworth College Programs

Digital Humanities Minor (Arts Program) - ASMIN1337

Description:

Digital humanities (DH) is a discipline at the intersections of the humanities with computing. DH studies human culture -- art, literature, history, geography, religion -- through computational tools and methodologies; and, in turn, DH studies the digital through humanist lenses. Digital humanists study social media phenomena or medieval manuscript archives; computationally analyze thousands of newspaper articles to trace economic developments; construct video games to study literary narratives; or resurrect historical cities through digital maps and virtual reality exhibits.

In introductory and advanced DH courses, students learn about the intellectual landscape of digital humanities scholarship. They learn how to build digital stories, exhibits, and maps; how to digitize rare books; how to analyze collections of data; how to construct digital models and 3D-print them; and how to manage major digital projects. By the end of the program, students conduct a major DH research project of their own or participate in the research of an established faculty project. Throughout the program, students gain a critical perspective on digital technologies, learning to consider the ways digital platforms shape, and are shaped by, the currents of wider social and cultural forces.

By providing this critical and technical skillset, the Digital Humanities Minor prepares students for future paths that range from graduate studies in literature, history, library science, education, or computer science, to careers as technical writers, data analysts and visualizers, project managers, or programmers.

Students should note that some courses at the 200, 300, and 400 levels may have additional prerequisites.

Permission to count courses that are not on the list below towards the Minor in Digital Humanities must be received from the Program Coordinator, and will be granted on a case-by-case basis when the student's work demonstrably and substantially engages Digital Humanities-related content or research methods.

Enrolment Requirements:

This is a Type 1 Program. Enrolment is open to students who have completed 4.0 FCEs.

Completion Requirements:**Completion Requirements**

This program requires the completion of four full credits (4 FCEs): 1.0 credit from group 1 (required introductory courses); up to 2.5 credits from group 2 (digital humanities and cross-listed courses); and a minimum of 0.5 credits from group 3 (capstone experiences). Students must take at least 1.0 credit at the 300/400 level.

Students should note that some courses at the 200, 300, and 400 levels may have additional prerequisites.

Permission to count courses that are not on the list below towards the Minor in Digital Humanities must be received from the Program Coordinator, and will be granted on a case-by-case basis when the student's work demonstrably and substantially engages Digital Humanities-related content or research methods.

It is not possible to complete this program in one year.

1. 1.0 FCE at the 200 level, composed of the following two required introductory courses: [WDW235H1](#), [WDW236H1](#)
2. Up to 2.5 FCE to be chosen from the following courses, which include Digital Humanities courses offered by Woodsworth College and cross-listed courses offered by other departments:
 - a. [WDW335H1](#), [WDW336H1](#), [WDW337H1](#), [WDW338H1](#)
 - b. Cross-Listed Courses:
Book and Media Studies: [SMC228H1](#), [SMC229H1](#), [SMC255H1](#), [SMC392H1](#)
Cinema Studies: [CIN260H1](#), [CIN312Y1](#), [CIN360H1](#)
Computer Science: [CSC104H1](#), [CSC108H1](#), [CSC300H1](#)
English: [ENG287H1](#)
Geography: [GGR271H1](#), [GGR272H1](#), [GGR273H1](#), [GGR349H1](#), [GGR452H1](#)
History & Philosophy of Science & Technology: [HPS202H1](#), [HPS203H1](#)
Medieval Studies: [MST201H1](#), [MST202H1](#)
Music: [MUS300H1](#)
Religion: [RLG233H1](#), [RLG307H1](#), [RLG308H1](#)
Urban Studies: [INI235Y1](#), [INI308H1](#), [INI333H1](#)
3. A minimum of 0.5 FCE that provides a capstone experience, chosen from the list below:
 - a. [WDW435H1](#), [WDW436H1](#), [WDW437H1](#)
 - b. Other fourth-year courses with a significant DH practicum element, such as [CDN435Y1](#) (Active Citizenship), can also be considered for fulfillment of the capstone requirement, if students receive written permission of the Digital Humanities Program Coordinator within the first two weeks of enrollment in the course.

Note: Cross-listed courses are offered by other departments. Registration in these courses may be available only to students who have completed specified prerequisites and/or are enrolled in a program sponsored by the department offering the course. Course enrolment conditions are listed in the Arts and Science timetable. Course descriptions, prerequisites, corequisites and exclusions are listed in the Calendar.

Woodsworth College Courses

Not all courses are offered every year. Please check the [timetable](#) for current course offerings and enrolment restrictions/conditions. Students without course prerequisites may be removed at any time they are discovered. Course descriptions, prerequisites, corequisites and exclusions are listed below.

WDW197H1 - Jane Austen on Film

Hours: 24S

In the 21st century, Jane Austen's early 19th-century novels of love and marriage are increasingly experienced through retellings and updatings in theatrical and made-for-television movies. The course will examine highlights from the last 25 years of Austen adaptations for what they can tell us about relationships in our time, including how Austen's stories are rewritten to please a modern audience. Films in the course will include works from 1995 to 2016 (from 1995, Clueless, Austen's Emma retold as a Hollywood high school comedy and starring Alicia Silverstone; and Sense and Sensibility, for which Emma Thompson's screenplay won an Academy Award; and from 2016, the Hallmark Channel's Unleashing Mr. Darcy, Austen's Pride and Prejudice transferred to the present-day dog show circuit; and writer/director Whit Stillman's Love and Friendship, the first-ever film version of Austen's Lady Susan). Restricted to first year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

WDW198H1 - There and Back Again: Exploring Tolkien

Hours: 24S

Since the mid-twentieth century, J.R.R. Tolkien's The Hobbit and The Lord of the Rings have become classics of children's and fantasy literature. In this course, we read Tolkien's The Lord of the Rings and investigate the world-building and imagined history that lies behind the books. We trace how Tolkien's own life experience informed his work—his experience as a soldier of the Great War and a civilian during World War Two; as a scholar of medieval language and literature, and of fairy tales; as a Catholic thinker; and as a lover of nature and the past. We also survey the afterlife of the novels in fantasy, film, and the popular imagination. Restricted to first year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

WDW199H1 - Indigenous Knowledge and Storytelling in Toronto

Hours: 12T/24S

The land now known as Toronto has a 13,000+ year old history of Indigenous presence that is still unfolding. This history is inscribed in the land – it is visible in the geographical features, place names, and contemporary urban form of the city and is represented through stories (oral and written) told by diverse members of Toronto's Indigenous community. This course engages with stories of Indigenous history and presence in Toronto through a selection of Indigenous literary works about Toronto, Indigenous guest speakers, and a series of experiential Indigenous storytelling tours of significant locations across the city. Students will be introduced to Indigenous worldviews and ways of knowing and will learn why storytelling remains a significant and culturally-appropriate means for keeping and sharing land-based Indigenous Knowledge. Students will gain a deeper appreciation of the city as a traditional Indigenous territory and will reflect on their own relationships and responsibilities within these lands. Restricted to first-year students. Not eligible for CR/NCR option.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Woodsworth One

WDW151H1 - Order and Disorder I: Issues and Perspectives

Hours: 16T/24S

Societies require law and order, but at what point does order become oppression? How do we balance our need for freedom and society's need for order? This interdisciplinary seminar allows students to explore these and related questions through selected readings introducing theories from sociology, political science, philosophy, and history. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to Woodsworth One

Exclusion: INI One, MUN One, NEW One, SMC One, TRN One, UNI One, VIC One, WDW153H1, WDW154H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

WDW152H1 - Order and Disorder II: Problems and Solutions

Hours: 16T/24S

Building on the questions and theoretical perspectives discussed in WDW151H1, this interdisciplinary seminar introduces students to some of the methods used by scholars and researchers in sociology, political science, philosophy, and history to develop, test, and debate possible solutions to the problems of social order and disorder. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: WDW151H1 or permission of the Woodsworth One Program Coordinator

Exclusion: INI One, MUN One, NEW One, SMC One, TRN One, UNI One, VIC One, WDW153H1, WDW154H1

Distribution Requirements: Social Science

Breadth Requirements: Society and its Institutions (3)

WDW153H1 - Popular Culture Today I: Issues and Perspectives

Hours: 16T/24S

Popular culture, which might best be defined as culture about everyone, by everyone, and for everyone, is an increasingly important part of life. This interdisciplinary seminar examines from multiple perspectives its impact as art movement, agent of social change, and universal language of the digital age. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: Admission to the Woodsworth One Program.

Exclusion: INI One, MUN One, NEW One, SMC One, TRN One, UNI One, VIC One, WDW151H1, WDW152H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

WDW154H1 - Popular Culture Today II: Special Topics

Hours: 16T/24S

Building on the general introduction to the subject provided by WDW153H1, this interdisciplinary seminar examines one major area of popular culture in greater depth: popular music, genre fiction, online culture, etc. The focus will be different each year, and in some years more than one option may be available. Restricted to first-year students. Not eligible for CR/NCR option.

Prerequisite: WDW153H1 or permission of the Woodsworth One Program Coordinator

Exclusion: INI One, MUN One, NEW One, SMC One, TRN One, UNI One, VIC One, WDW151H1, WDW152H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Study of Popular Culture

WDW241Y1 - Introduction to the Study of Popular Culture

Hours: 48L

An overview of the major theoretical perspectives on popular culture, focused on developing critical tools for analyzing and evaluating its major forms both as distinctive cultural artifacts and as social phenomena. Students will draw on their own experiences with popular culture while engaging with a wide range of critical sources.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1); Society and its Institutions (3)

WDW335H1 - From Book to Map to Video Game: Texts and their Digital Transformations

Hours: 24L/12P

An examination of the new forms of storytelling made possible by digital media from two perspectives, that of the maker and that of the scholarly reader. Students learn to critically analyze storytelling in new media and experiment with their own adaptations of a literary text to various digital platforms.

Prerequisite: WDW235H1 and WDW236H1; open to students not taking the Digital Humanities Minor by permission of the program coordinator.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Digital Humanities

WDW235H1 - Introduction to Digital Humanities

Hours: 24L/12P

Digital Humanities (DH) studies human culture -- art, literature, history, geography, religion -- using computational tools and methodologies, and at the same time studies digital technologies and communities through humanist lenses, as complex cultural objects shaped by wider social and political concerns and the ways we construct knowledge and meaning.

Prerequisite: 4 FCEs at the 100 level, at least 1 FCE of which must be in Humanities

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

WDW336H1 - Cultural Literacy in the Digital Age

Hours: 24L

This course examines two related debates about digital media in education: first, how best to integrate digital technology into learning (digital or computer literacy), and, secondly, what knowledge is required for full cultural participation (cultural literacy). We examine these issues using a range of academic, general interest and discipline-specific sources.

Prerequisite: WDW235H1 and WDW236H1; open to students not taking the Digital Humanities Minor by permission of the program coordinator.

Distribution Requirements: Humanities

Breadth Requirements: Thought, Belief and Behaviour (2)

WDW337H1 - Historical Archives in the Digital Age

Hours: 24L/12P

How do digital surrogates of texts and objects change how we use them? This course examines texts and archives in the digital age: the aims of building them; the new scholarly approaches that they enable; the preservation, access, and equity questions that they raise and require us to answer responsibly.

Prerequisite: WDW235H1 and WDW236H1; open to students not taking the Digital Humanities Minor by permission of the program coordinator.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

WDW236H1 - Virtual Worlds: Introduction to Spatial Digital Humanities

Hours: 24L/12P

A Digital Humanities perspective on the virtual worlds in which we are increasingly immersed, from scholarly digital archives to video games. We study the theory and methods of geospatial humanities research and explore the technical and cultural implications of computer vision, augmented reality, the Internet of Things, and 3D printing.

Prerequisite: WDW235H1 or permission of the Program Coordinator

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

WDW338H1 - Data: Access, Creation, Curation, and Interpretation

Hours: 24L/12P

A central challenge of digital humanities is the complexity of representing interpretive, narrative, and perspective-dependent humanities data through digital tools and environments. Topics include the history of "data" as term and concept; data standards, databases, and linked data; datasets, data curation and analytics, both qualitative and quantitative; and data visualization.

Prerequisite: WDW235H1 and WDW236H1; open to students not taking the Digital Humanities Minor by permission of the program coordinator.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

WDW437H1 - Research Projects in Digital Humanities

Hours: TBA

This course is for students who wish to pursue a significant research project, usually participation in a faculty-led DH research project, though it may take other forms. Students must be enrolled in the DH Minor program or obtain special permission of the program coordinator.

Prerequisite: WDW235H1 and WDW236H1, plus at least 1.0 additional FCE in the Digital Humanities Minor program.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Other Woodsworth Courses

WDW435H1 - The Internet Archive

Hours: 24L/12P

Digital environments change how knowledge is created, communicated, and used. Using the Internet Archive as case study, this course examines the significance of such changes from a variety of perspectives: knowledge representation; technical infrastructure; gender, class, and race issues; disability rights; intellectual property questions; and algorithmic and interpretive scholarly approaches.

Prerequisite: WDW235H1 and WDW236H1 plus at least 1.0 additional FCE in the Digital Humanities Minor program; open to students not taking the Digital Humanities Minor by permission of the program coordinator.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

WDW295Y0 - Special Topics Abroad

Hours: 48L

Course description varies each year. Please see the Summer Abroad website for course details. Not eligible for CR/NCR.

Exclusion: RSM295Y0

WDW299Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirements: Social Science

WDW399Y1 - Research Opportunity Program

Hours: TBA

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

WDW436H1 - Topics in Digital Humanities

Hours: 24L/12P

This course serves as a capstone for the Digital Humanities Minor program. It includes opportunities for students to conduct original research. The topics for this course will vary from year to year.

Prerequisite: WDW235H1 and WDW236H1, plus at least 1.0 additional FCE in the Digital Humanities Minor program.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Writing in the Faculty of Arts & Science

The ability to think critically and to write well-organized, clear, grammatical prose is important to your work in Arts and Science courses. It will also improve your chances if you apply to graduate or professional schools and will give you an advantage in the workplace. To help you develop your writing skills, Arts and Science provides a range of instructional resources.

NOTE: For courses in creative writing, see entries under "English" (ENG), "Innis College" (INI), and "Victoria" (VIC) in this Calendar.

Courses

Departments and programs integrate writing instruction into many of their courses, and some offer courses that concentrate on communication in their disciplines. Check the course listings by department.

Your course instructors and teaching assistants will provide guidelines for written assignments. They will often offer instruction in class and give you the opportunity to ask questions before assignments are due. You may ask them to discuss work that has been graded and returned to you.

In addition, the university offers several courses in writing effective essays:

- [ENG100H1](#) (Effective Writing) is listed under "English" in this Calendar
- [JEI206H1](#) (Writing English Essays) is listed under "English" and "Innis College"

Innis College's Minor Program in [Writing and Rhetoric](#) offers an array of courses that explore the worlds of oral, written, and online discourse. Rhetoric courses focus on how persuasion circulates in society, while writing courses teach students how to employ rhetoric and to write well in the modes, genres, and styles appropriate to particular disciplinary, institutional, and creative contexts. Visit course listings under [Innis College](#) in this Calendar.

Victoria College offers a minor program called [Creative Expression and Society](#). It has two components: (1) workshop-style courses allowing students to develop skills in creative expression and communication, and (2) courses encouraging students to analyze the relationship between creative arts and society. Visit course listings under [Victoria College](#) in this Calendar.

Trinity College offers the course [TRN478H1](#) (Science Writing for Non-Scientific Audiences). It focuses on a diversity of non-scientific audiences and writing styles.

The University of Toronto at Mississauga (UTM) offers a major and minor program in Professional Writing and Communication. The University of Toronto at Scarborough (UTSC) offers a major and minor program in Creative Writing. Consult with your college registrar about taking courses at either campus, and see the UTM and UTSC calendars for more detail about courses offerings.

English Language Learning Opportunities

The [English Language Learning \(ELL\)](#) Program offers undergraduates in Arts and Science a variety of ways to develop

both oral and written communication. Intensive non-credit mini-courses are offered during fall and winter reading weeks and during the summer. During the fall and winter terms, programming includes free drop-in workshops using a variety of interesting activities to improve speaking, and also an online component for improving academic reading and writing.

Writing Centres

The writing centres at undergraduate colleges will help you develop the writing and critical thinking skills you need throughout your university studies. They offer, free of charge, both group and individual instruction.

Group instruction is offered through both in-course instruction and a series of workshops called Writing Plus. These intensive group workshops help prepare you to meet the expectations of university writing. They cover all stages of writing university papers, from understanding the assignment to revising the final draft. They also provide targeted advice for handling your reading load and the challenges of studying for tests and exams. Special sessions focus on writing admissions statements for graduate and professional programs. Dates and locations are listed online in the Writing Plus section of [www.writing.utoronto.ca](#).

In individual consultations, trained writing instructors help you improve your ability to plan, write, and revise, focussing on course writing assignments of your choice. Instructors are familiar with writing conventions in the whole range of Arts and Science courses; many have specialized training in teaching students whose first language is not English. You are entitled to use the writing centre of the college where you are registered. Most colleges also allow students from other colleges to book appointments for writing assignments in a college program course. All the college writing centres use an online booking system that requires your UTORid for login. More information is available in the Writing Centres section of [www.writing.utoronto.ca](#). Here is a list of Arts and Science writing centres.

- French Department Writing Labs: ask your professor or inquire at 416-926-2302
- Innis College Writing Centre, Rooms 315 and 322
- New College Writing Centre, Wilson Hall, Rooms 2045 and 2047
- Philosophy Department Writing Clinic, Jackman Humanities Building, Room 422.
- St. Michael's College Writing Centre, Kelly Library, Learning Commons
- Trinity College Writing Centre, Academic Resource Centre, 6 Hoskins Avenue, basement
- University College Writing Centre, Laidlaw Library, Rooms 214, 216, and 218
- Victoria College Writing Centre, Northrop Frye Hall, Rooms 103A and 103B
- Woodsworth College Academic Writing Centre, Room 214

Writing Resources

Campus libraries stock many reference guides for academic writing, some of them online. You will find both general handbooks on style and referencing, and guides on writing in specific disciplines. You can also consult the Advice section of the website Writing at the University of Toronto at [www.writing.utoronto.ca](#). It contains short files addressing common issues in academic writing along with links to other useful online and print resources.

Yiddish Studies

Faculty List

Yiddish Studies Faculty

A. Shternshis, D.Phil, Al and Malka Green Associate Professor in Yiddish Studies
A. Hoffman, MA, PhD

GER360H1 - Intermediate Yiddish

Hours: 36P

The course conducted in Yiddish offers a review of basic grammar, stylistics, study of short literary texts.

Prerequisite: GER260Y1

Exclusion: GER463Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER361H1 - Yiddish Literature in Translation (E)

Hours: 24S

An overview of the major figures and tendencies in modern Yiddish literature and culture from the beginning of the 19th century to the present. Readings (in English) of modern Yiddish prose, poetry, drama and cinema.

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER367H1 - Topics in Yiddish or German Jewish Literature and Culture

Hours: 24S

Topics in modern Yiddish or German Jewish literature and culture from the beginning of the 19th century to the present, featuring a selection of readings of modern Yiddish prose, poetry, drama and cinema. Taught in English and open to students across disciplines.

Prerequisite: Completion of a minimum of 4.0 FCEs

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

Yiddish Studies Courses

GER260Y1 - Elementary Yiddish

Hours: 72P

This course introduces Yiddish language, literature, music, theater, and cinema through interactive multi-media seminars, designed to build proficiency in reading, writing and comprehending. No prior knowledge of Yiddish is required.

Exclusion: GER463Y1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER460H1 - Advanced Yiddish

Previous Course Number: GER462H1

Hours: 36P

This course conducted entirely in Yiddish focuses on advanced reading, writing, vocabulary and conversation, the study of poetry, short fiction, and memoir literature by leading authors. Selected advanced grammatical topics are presented in conjunction with the study of texts.

Prerequisite: GER360H1

Exclusion: GER462H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)

GER463Y1 - Yiddish Language for German Speakers

Hours: 48P

The course is designed as an intensive Yiddish language training. The goal is to teach German speakers to read, write and speak in Yiddish. The curriculum relies on the German language skills of the students, and focuses on differences between Yiddish and German grammar and vocabulary. Upon the completion of the course, students should be able to read Yiddish literary texts with a minimal use of dictionary.

Note: Graduate students can take the course in preparation for their Yiddish competency test.

Prerequisite: Either 3 FCE in German language or fluency in German language.

Exclusion: GER260Y1, GER360H1, GER462H1

Distribution Requirements: Humanities

Breadth Requirements: Creative and Cultural Representations (1)