Natural Science Advanced Research Methods Topics Spring 2024

PSYCH 390

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Class Schedule

Course	Meet Days	Meet Time	Location	Instructor(s)
PSYCH 390 002 [SEM]	**Mon, Wed** *May 6 - Jul 30*	10:00AM - 11:20AM	PAS 1237	M. Fernandes *mafernan@uwaterloo....*

schedule data automatically refreshed daily

Instructor & TA (Teaching Assistant) Information

Instructor - Dr. Myra Fernandes; mafernan@uwaterloo.ca; PAS 4054

Office Hour Mondays 2:30pm to 3:30pm in person or by video appointment on TEAMS

TA - Brian Kim; bs8kim@uwaterloo.ca; PAS 4227

Office Hour Wednesdays 11:30am-12:30pm in person or by video appointment on TEAMS

Course Description

Calendar Description for PSYCH 390:

Topics explore natural science research methods in Psychology. Consult departmental listings for upcoming topics, which may include methods for studying psychophysiology, neuroanatomy, and/or cognitive processes (e.g., perception, attention, memory, information-processing, decision-making). Activities may include research proposals, group and/or individual projects (e.g., lab experience, data collection), research reports, critiques of published/proposed research, and student presentations. [Offered: W and/or S]

Prereq: PSYCH 207, 211, 261; Level at least 3A Honours BA Psychology Research Intensive Specialization or Honours BSc Psychology or Make-Up Psychology. Coreq: PSYCH 391. Antireq: PSYCH 392, 394, 396, 398

Several major themes in the area of memory research are explored in this course. Historically influential ideas, current theoretical debates, and the application of cognitive, social, neuro-imaging, and neuropsychological approaches to the study of memory are reviewed and discussed. Questions to be addressed include: How is information encoded and retrieved? What types of memory exist? How can we measure these? Why does forgetting occur? What biological changes accompany memory loss? Can memory impairments be rehabilitated?

There is a lab component to this course. The goal is to introduce students to *E-Prime software*, which is often used to collect data for research studies. These labs will give you a "hands-on" approach to understanding the methods currently in use for much of the current research in memory.

Learning Outcomes

By the end of this course students should be able to:

compare and contrast theories of how memory works and factors affecting it
be familiar with E-prime software, used to design and create experiments
program basic experiments involving stimulus presentation and response collection from participants
prepare and deliver oral presentations, highlighting your ability to communicate science
apply your knowledge of memory theory to develop and outline in written format, an avenue for future investigation
provide constructive feedback to peers

Tentative Course Schedule

Topic	Readings and Assignments	Date
Syllabus Introduction to Memory Methods of studying the brain	Syllabus Examples of memory in the real world Baddeley et al., Chapter 1	May 6th
Perceiving	Baddeley et al., Chapter 1	May 8th
Remembering	Baddeley et al., Chapter 2	May 13th
Kinds of memory	Baddeley et al., Chapter 3	May 15th
Working Memory	Baddeley et al., Chapter 4	Tuesday May 21st
Working Memory	Baddeley et al., Chapter 4	May 22nd
Lab 1 - E-Prime: Introduction	Lab 1 Course Notes	May 27th
Neuroimaging of working memory / Learning	Baddeley et al., Chapter 5	May 29th
Lab 2 - E-Prime: Creating a free recall experiment	Lab 2 Course Notes	June 3rd
Learning / Organization	Baddeley et al., Chapter 6	June 5th lecture posted online

Lab 3 - E-Prime: Creating a recognition experiment	Lab 3 Course Notes	June 10th
Learning / Organization	Baddeley et al., Chapter 6 Mid-term oral review In-Class Written answers DUE June 14th	June 12th
Lab 4 - E-Prime: Making modifications to experiment	Lab 4 Course Notes	June 17th
Lab 5 – E-Prime: Troubleshooting and debugging experiments	Lab 5 Course Notes (note that Lab 6 is omitted from the course)	June 19th
Retrieval / Context effects	Baddeley et al., Chapter 8	June 24th
Memory, Aging, & Dementia	Baddeley et al., Chapter 15	June 26th lecture posted online
Mid-Term	In-Class Mid-Term	July 3rd
Lab 7 – E-Prime: Create a theoretically-driven experiment & collect data	Lab 7 Course Notes	July 8th
*Lab 8 – E-Prime: Merge & analyze data; making conclusions	Lab 8 Course Notes *Lab Due Date: July 12th	July 10th
Topic 1: Incidental Forgetting Topic 2: Motivated Forgetting Topic 3: Forgetting Trauma	Baddeley et al., Chapter 9 Baddeley et al., Chapter 10	July 15th
Topic 4: Autobiographical memory theories Topic 5: Variations in Autobiographical Memory Topic 6: Eyewitness Accuracy	Baddeley et al., Chapter 11 Baddeley et al., Chapter 12	July 17th
Topic 7: Remembering Faces Topic 8: Prospective Memory Topic 9: Memory in childhood	Baddeley et al., Chapter 12 Baddeley et al., Chapter 13 Baddeley et al., Chapter 14	July 22nd

Writing Communication Centre Workshop Careers in Psychology	Notes posted on Learn Course Perceptions: https://perceptions.uwaterloo.ca/ (https://perceptions.uwaterloo.ca/)	July 24th
Topic 10: When memory fails Topic 11: Improving your memory Topic 12: Schemas and Concepts or Neuroscience of Memory	Baddeley et al., Chapter 16 Baddeley et al., Chapter 17 Baddeley et al., Chapter 7 or Select a recent published article from PsychInfo/PubMed/Google Scholar Course Perceptions: https://perceptions.uwaterloo.ca/ (https://perceptions.uwaterloo.ca/)	July 29th
	Research Idea Paper: **DUE: Tuesday August 6th**	August 6th

Texts / Materials

Title / Name	Notes / Comments	Required
Memory	Book Reference: Baddeley, A., Eysenck, M.W., & Anderson, M.C. (2020). Memory. 3rd edition. New York, NY, Psychology Press	Yes

Textbook reference: Baddeley, A., Eysenck, M.W., & Anderson, M.C. (2020). _Memory._ 3rd edition. New York, NY, Psychology Press

https://uwaterloo-store.vitalsource.com/products/memory-alan-baddeley-michael-w-v9780429831294?term=9781138326095 (https://uwaterloo-store.vitalsource.com/products/memory-alan-baddeley-michael-w-v9780429831294?term=9781138326095)

Student Assessment

Component	Value
Partner Review Q & A	7%
Lab worksheets and activities: 6 X 4% and 1 X 6%	30%
In-Class Mid-term Test	30%
Oral Presentation: Topics in Memory	13%
Participation in Discussions	4%
Research Idea Paper	14%
SONA credits	2%

Details on each Evaluation

Partner Review Q&A

In order to help you and your classmates prepare for the upcoming mid-term test, you will prepare 5 Questions for a student partner to answer in class orally on JUNE 12th. These are to be based on a concept, definition, methodology, or experiment, discussed in Chapters 1, 2, 3, 4, 5, and 6. You must create Questions that cover material from at least 3 different chapters.
Following the in-class Q & A session each student will write up the answers to their partner's 5 Questions and submit the document to LEARN. Each Answer should be approximately ½ page in length, double-spaced, in 12-point font, with 2 cm margins all around. Please label your submission file with your last name and chapter coverage (e.g. FernandesChapter2and3and6.pdf).

Please submit your assignment anytime before **JUNE 14th by 11:59pm via the LEARN Dropbox. This assignment is worth 7% of your grade: 2% for participating in the oral Q & A session and 5% based on the quality of your written answer to your partner's Questions.**

Lab Component

The goal of the lab component is to introduce you to E-Prime software, which is often used to collect data for research studies. All lab materials are posted on LEARN. On scheduled lab dates there is no formal lecture. Instead, you will come to PAS 1237, and use the Power point slides associated with each lab to help you to a) learn about the software and complete the required Worksheets for each lab and b) use E-Prime to create programs. Dr. Fernandes and your TA will be in the classroom to help you navigate through the content and requirements for each Lab, and can answer questions as you complete each Lab and Worksheet.

All Worksheets are administered via the Quiz function within LEARN, and must be completed and submitted by 11:59pm on the assigned lab date. The first six labs are worth 4% each, and the last one is worth 6% (**total = 30% of your grade**).

Mid-term Test

The test is worth **30% of your grade**, and will consist of multiple choice, short answer questions, and longer essay questions based on material covered in Lectures, and in Chapters 1, 2, 3, 4, 5, 6, 8, and 15 of your course Textbook. The test will take place **in person, in PAS 1237, on JULY 3rd**

Oral presentation: Choice of Topics

In JULY groups of students will be doing oral presentations.

For each of the listed Topics/Date, groups (of 2 students each) will prepare 20-minute Power Point presentations. **Each student will be responsible for presenting for 10-minutes.** Each student must prepare their OWN 10-minute presentation, and communicate it in person to the class. **Please submit your power point slides to the Dropbox on LEARN** by 9am on the date of the scheduled presentation.

Specific requirements for the Oral presentation are as follows:

Read the relevant chapter. Each student should present on a separate Sub-Section (set of pages) within the assigned chapter. Each student must prepare their own 10-minute presentation using slides (e.g. Power Point). Presentations should a) review 2 concepts and associated methods of assessment/measurement, contained within their assigned chapter, and then b) review and explain how a related study, from recently published journal articles (published from 2015-present), extends the topic. Finally you must c) review the conclusions and take-home message of this area of memory and suggest an extension, either in terms of a future psychology experiment OR an application of a related concept to address a real-world issue. This presentation is worth **13% of your grade in the course.**

*Following each topic presentation, classmates can make suggestions for research extensions on the topic, OR note future real-world applications, OR offer presentation feedback, via the <u>Participation/Feedback Sheet.</u> Students can earn **1% per contribution** (each contribution should be a minimum of 3 sentences), up to **a maximum of 4%.**

Three minutes will be allotted following each presentation for classmates to ask the presenters questions in class, to help with formulating written feedback.

<u>*Research Idea paper*</u>

Prepare a detailed written Introduction, brief Methods, and Proposed results (with 1 graph, ½ page in size) for a new Research Idea. You will be marked based on a) your communication and accuracy of the current state of knowledge relating to your topic, b) your ability to clearly explain the relevance of past research to the rationale for your research idea and chosen methods, c) the clarity of your results, and ability to link these to past research.

Research Idea papers must be a total of 5-pages, Plus a reference page(s), double-spaced, in 12-point font, with 2 cm margins all around. **DUE August 6th by 11:59pm via the LEARN Dropbox; worth 14% of your grade in the course.**

<u>*SONA Participation Credit*</u>

Experiential learning is considered an integral part of the undergraduate program in Psychology. Research participation is one example of this, article review is another. A number of undergraduate courses have been expanded to include opportunities for Psychology students to earn grades while gaining research experience. Since experiential learning is highly valued in the Department of Psychology, **students may earn up to 2% of their final mark** in this course through research experience. **Be sure to review the guidelines posted in the 'SONA Participation' folder posted on LEARN for further details.**

Who can I see if I have questions about the course material?

See your teaching assistant during their office hours, or by appointment, if you have questions about material covered in the textbook or in the labs. See Dr. Fernandes, during office hours or by appointment, for questions about material covered in the lectures.

Course Web page on LEARN

Learn is a web-based course management system that enables instructors to manage course materials and interact with students. Here, I will post Announcements, Lecture slides, the Course Syllabus, Lab Materials and Lab Quizzes. Log on using your Quest userid and password. *Students are expected to login to check for updates and announcements on LEARN, twice weekly.*

Policy for late submissions

It is the student's responsibility to hand in late assignments, worksheets, or papers directly to Dr. Fernandes via email (mafernan@uwaterloo.ca). These will be subject to a late penalty of –10% of the assigned grade, per day, including weekends.

Accommodation for Course Requirements

1. Students requesting accommodation for course requirements (assignments, midterm tests, final exams, etc.) due to illness should seek medical treatment as soon as possible, and also do the following:

Visit this link and follow the instructions: https://uwaterloo.ca/arts/undergraduate/student-support/accommodations-illness-or-extenuating-circumstances

2. Inform the instructor by the due date for the course requirement that you will be unable to meet the deadline and that documentation will be forthcoming.

In the case of a missed assignment deadline, midterm test, or quiz, the instructor will either: re-weight remaining term work as he/she deems fit according to circumstances and the goals of the course, OR provide an extension to the Due Date.

In the case of bereavement, the instructor will provide similar accommodations to those for illness. Appropriate documentation to support the request will be required.

Students who are experiencing extenuating circumstances should also inform their academic advisors regarding their personal difficulties.

Elective arrangements such as travel plans are not acceptable grounds for granting accommodations to course requirements per the uWaterloo Examination Regulations and Related Matters (http://www.registrar.uwaterloo.ca/exams/ExamRegs.pdf).

Accommodation for Students with Disabilities

The AccessAbility Services (https://uwaterloo.ca/accessability-services/) office, located on the first floor of the Needles Hall extension (1401), collaborates with all academic departments to arrange appropriate accommodations for students with disabilities without compromising the academic integrity of the curriculum. If you require academic accommodations to lessen the impact of your disability, please register with the office at the beginning of each academic term.

Assignment Screening

No assignment screening will be used in this course.

Administrative Policy

Generative AI

This course includes the independent development and practice of specific skills, such as generating novel ideas for a research experiment and a proposal of expected research findings. Therefore, the use of Generative artificial intelligence (GenAI) trained using large language models (LLM) or other methods to produce text, images, music, or code, like Chat GPT, DALL-E, or GitHub CoPilot, is not permitted in this class. Unauthorized use in this course, such as running course materials through GenAI or using GenAI to complete a course assessment is considered a violation of Policy 71 (https://uwaterloo.ca/secretariat/policies-procedures-guidelines/policy-71) (plagiarism or unauthorized aids or assistance). Work produced with the assistance of AI tools does not represent the author's original work and is therefore in violation of the fundamental values of academic integrity including honesty, trust, respect, fairness, responsibility and courage (ICAI (https://academicintegrity.org/images/pdfs/20019_ICAI-Fundamental-Values_R12.pdf), n.d.).

You should be prepared to show your work. To demonstrate your learning, you should keep your rough notes, including research notes, brainstorming, and drafting notes. You may be asked to submit these notes along with earlier drafts of their work, either through saved drafts or saved versions of a document. If the use of GenAI is suspected where not permitted, you may be asked to meet with your instructor or TA to provide explanations to support the submitted material as being your original work. Through this process, if you have not sufficiently supported your work, academic misconduct allegations may be brought to the Associate Dean.

In addition, you should be aware that the legal/copyright status of generative AI inputs and outputs is unclear. More information is available from the Copyright Advisory Committee: https://uwaterloo.ca/copyright-at-

waterloo/teaching/generative-artificial-intelligence (https://uwaterloo.ca/copyright-at-waterloo/teaching/generative-artificial-intelligence)

Students are encouraged to reach out to campus supports if they need help with their coursework including:

- Student Success Office (https://uwaterloo.ca/student-success/resources) for help with skills like notetaking and time management
- Writing and Communication Centre (https://uwaterloo.ca/writing-and-communication-centre/services-0/services-undergraduate-students) for assignments with writing or presentations
- AccessAbility Services (https://uwaterloo.ca/accessability-services/students) for documented accommodations
- Library (https://uwaterloo.ca/library/research-supports/quick-start-guide) for research-based assignments

Anti-Racism Statement

The University of Waterloo does not tolerate racism or any other form of discrimination and expects campus community members to contribute to a culture where all members feel safe and valued. Any member of the campus community who has experienced racism or discrimination at the University is encouraged to review available processes for addressing their concerns under Policy 33 – Ethical Behaviour and to seek guidance from the Equity Office via email at equity@uwaterloo.ca (https://uwaterloo.ca/presidents-anti-racism-taskforce/part-report/equity@uwaterloo.ca) or through their website (https://uwaterloo.ca/equity-diversity-inclusion-anti-racism/)

Declaring Absences

For all of the following categories of absence students are responsible for getting in touch with their course instructors as soon as possible to discuss possible accommodations for the missed course component(s). The course instructor will determine how the missed work is accommodated. Absences will be accommodated according to the academic regulations section of the undergraduate calendar (https://ugradcalendar.uwaterloo.ca/page/Acad-Regs-Accommodations).

If you are unable to complete a course component due to self-declared COVID-related reasons (https://uwaterloo.ca/quest/help/students/how-do-i-self-declare-absence-undergraduate-students#public-health) or a two-day short-term absence (https://uwaterloo.ca/registrar/current-students/undergraduate-student-short-term-absences) then you should submit a self-declaration of absence through Quest (https://uwaterloo.ca/quest/help/students/how-do-i-self-declare-absence-undergraduate-students).

If your absence is due to an illness not pandemic-related (https://uwaterloo.ca/arts/undergraduate/student-support/accommodations-illness-or-extenuating-circumstances#VIF), then a UW Verification of Illness form, (https://uwaterloo.ca/arts/undergraduate/student-support/accommodations-illness-or-extenuating-circumstances#VIF) completed by a health professional, must be uploaded and submitted through the Verification of Illness or Extenuating Circumstances Process. (https://uwaterloo.ca/arts/undergraduate/student-support/accommodations-illness-or-extenuating-circumstances#submit-other) The VIF is the only acceptable documentation for an absence due to illness. Do not submit the VIF or any other medical documentation to your instructors, teaching assistants, or other course personnel.

If your absence is due to other extenuating circumstances (https://uwaterloo.ca/arts/undergraduate/student-support/accommodations-illness-or-extenuating-circumstances#submit-other) (e.g., bereavement), then you must submit all documentation related to the absence (e.g., obituary) through the Verification of Illness or Extenuating Circumstances Process (https://uwaterloo.ca/arts/undergraduate/student-support/accommodations-illness-or-extenuating-circumstances#submit-other).

Submission through the VIF or Extenuating Circumstances System, once approved, will notify your instructors of your absence.

If your absence is due to a religious or spiritual observance (https://ugradcalendar.uwaterloo.ca/page/Acad-Regs-Accommodations) please inform the instructor within two weeks of the announcement of the due date for which the accommodation is being sought. However, you are responsible for contacting instructors to discuss accommodation arrangements.

Intellectual Property

Students should be aware that this course contains the intellectual property of their instructor, TA, and/or the University of Waterloo.

Intellectual property includes items such as:

- Lecture content, spoken and written (and any audio/video recording thereof);
- Lecture handouts, presentations, and other materials prepared for the course (e.g., PowerPoint slides);
- Questions or solution sets from various types of assessments (e.g., assignments, quizzes, tests, final exams); and
- Work protected by copyright (e.g., any work authored by the instructor or TA or used by the instructor or TA with permission of the copyright owner).

Course materials and the intellectual property contained therein, are used to enhance a student's educational experience. However, sharing this intellectual property without the intellectual property owner's permission is a violation of intellectual property rights. For this reason, it is necessary to ask the instructor, TA and/or the University of Waterloo for permission before uploading and sharing the intellectual property of others online (e.g., to an online repository).

Permission from an instructor, TA or the University is also necessary before sharing the intellectual property of others from completed courses with students taking the same/similar courses in subsequent terms/years. In many cases, instructors might be happy to allow distribution of certain materials. However, doing so without expressed permission is considered a violation of intellectual property rights.

Please alert the instructor if you become aware of intellectual property belonging to others (past or present) circulating, either through the student body or online. The intellectual property rights owner deserves to know (and may have already given their consent).

Mental Health Support

All of us need a support system. The faculty and staff in Arts encourage students to seek out mental health support if they are needed.

On campus supports

All of us need a support system. The faculty and staff in Arts encourage students to seek out mental health and counselling if they are needed. For counselling (individual or group) reach out to Campus Wellness and Counselling Services. (https://uwaterloo.ca/campus-wellness/counselling-services) Counselling Services strives to provide a secure, supportive environment for students of all orientations and backgrounds. They offer confidential counselling for a variety of areas including anxiety, stress management, depression, grief, substance use, sexuality, relationship issues, and much more.

Other on-campus supports

- MATES (https://wusa.ca/services/uw-mates) : one-to-one peer support program offered by the Waterloo Undergraduate Student Association (WUSA) and Counselling Services
- Download the WatSafe app (https://uwaterloo.ca/watsafe/) to your phone to quickly access mental health support information
- Empower Me (https://uwaterloo.us11.list-manage.com/track/click?u=f5194df42b6fc63ac2f0875eb&id=6859501915&e=d4e4205e24) : to access create an account on the Dialogue mobile app or on the web at www.studentcare.ca/dialogue (http://www.studentcare.ca/dialogue)
- Sexual Violence Prevention and Response Centre (https://uwaterloo.ca/sexual-violence-prevention-response-office/) - supports all members of the University of Waterloo campus community who have experienced or been impacted by sexual violence.

Off campus supports

- Good2Talk (https://good2talk.ca/) : Free confidential help line for post-secondary students. Phone: 1-866-925-5454
- Grand River Hospital: Emergency care for mental health crisis. Phone: 519-749-4300

- [St. Mary's Hospital](https://uwaterloo.us11.list-manage.com/track/click?u=f5194df42b6fc63ac2f0875eb&id=f9ffc07602&e=d4e4205e24) - 519-744-3311
- [Here 24/7](https://here247.ca/) : Mental Health and Crisis Service Team. Phone: 1-844-437-3247
- 988 Suicide Crisis Helpline: a 24/7 urgent mental health care three-digit helpline
- [OK2BME](https://ok2bme.ca/) : set of support services for Two-Spirit, lesbian, gay, bisexual, trans, queer, intersex, asexual (@SLGBTQIA+) and questioning kids, teens, adults, and their families in Waterloo Region. Phone: 519-884-0000 or e-mail ok2bme@caminowellbeing.ca
- [Sexual Assault Support Centre of Waterloo Region](http://www.sascwr.org/) - offers individual counselling to people of all genders, 16+ who have been sexually assaulted at any point in their lives. As well as short-term support for family members or friends of sexual assault survivors. Also, information and referrals

More information about resources and supports for students can be found online in on the [Faculty of Arts Student Support](https://uwaterloo.ca/arts/undergraduate/student-support/) page.

Territorial Acknowledgement

The University of Waterloo acknowledges that much of our work takes place on the traditional territory of the Neutral, Anishinaabeg, and Haudenosaunee peoples. Our main campus is situated on the Haldimand Tract, the land granted to the Six Nations that includes six miles on each side of the Grand River. Our active work toward reconciliation takes place across our campuses through research, learning, teaching, and community building, and is centralized within the [Office of Indigenous Relations](https://uwaterloo.ca/indigenous) .

University Policy

Academic integrity: In order to maintain a culture of academic integrity, members of the University of Waterloo community are expected to promote honesty, trust, fairness, respect and responsibility. [Check [the Office of Academic Integrity](https://uwaterloo.ca/academic-integrity/) for more information.]

Grievance: A student who believes that a decision affecting some aspect of their university life has been unfair or unreasonable may have grounds for initiating a grievance. Read [Policy 70, Student Petitions and Grievances, Section 4](https://uwaterloo.ca/secretariat/policies-procedures-guidelines/policy-70) . When in doubt, please be certain to contact the department's administrative assistant who will provide further assistance.

Discipline: A student is expected to know what constitutes academic integrity to avoid committing an academic offence, and to take responsibility for their actions. [Check [the Office of Academic Integrity](https://uwaterloo.ca/academic-integrity/) for more information.] A student who is unsure whether an action constitutes an offence, or who needs help in learning how to avoid offences (e.g., plagiarism, cheating) or about "rules" for group work/collaboration should seek guidance from the course instructor, academic advisor, or the undergraduate associate dean. For information on categories of offences and types of penalties, students should refer to [Policy 71, Student Discipline](https://uwaterloo.ca/secretariat/policies-procedures-guidelines/policy-71) . For typical penalties, check [Guidelines for the Assessment of Penalties](https://uwaterloo.ca/secretariat/guidelines/guidelines-assessment-penalties) .

Appeals: A decision made or penalty imposed under [Policy 70, Student Petitions and Grievances](https://uwaterloo.ca/secretariat/policies-procedures-guidelines/policy-70) (other than a petition) or [Policy 71, Student Discipline](https://uwaterloo.ca/secretariat/policies-procedures-guidelines/policy-71) may be appealed if there is a ground. A student who believes they have a ground for an appeal should refer to [Policy 72, Student Appeals](https://uwaterloo.ca/secretariat/policies-procedures-guidelines/policy-72) .

Note for students with disabilities: [AccessAbility Services](https://uwaterloo.ca/accessability-services/) , located in Needles Hall, Room 1401, collaborates with all academic departments to arrange appropriate accommodations for students with disabilities without compromising the academic integrity of the curriculum. If you require academic accommodations to lessen the impact of your disability, please register with AccessAbility Services at the beginning of each academic term.

Turnitin.com: Text matching software (Turnitin®) may be used to screen assignments in this course. Turnitin® is used to verify that all materials and sources in assignments are documented. Students' submissions are stored on a U.S. server,

therefore students must be given an alternative (e.g., scaffolded assignment or annotated bibliography), if they are concerned about their privacy and/or security. Students will be given due notice, in the first week of the term and/or at the time assignment details are provided, about arrangements and alternatives for the use of Turnitin in this course.

It is the responsibility of the student to notify the instructor if they, in the first week of term or at the time assignment details are provided, wish to submit alternate assignment.