COMPSCI 3MI3 Fall 2021 Course Syllabus

1 Administrative Details

Instructor	Email	GitHub Username	Office Hours
Nicholas Moore	moorenc@mcmaster.ca	nmoore771	Thursdays 1:30 - 3:30 PM
TA	**Email**	**GitHub Username**	**Office Hours**
Habib Ghaffari	mailto:ghaffh1@mcmaster.ca	ghhabib2	—
Pesara Amarasekera	mailto:amarasep@mcmaster.ca	PradCoder	—
Nina Yang	mailto:yangn19@mcmaster.ca	Gincral	—

Instructor Office Hours will be both in ITB 102 and Virtually via MS Teams this semester (at the same time!).
Important Websites

- `https://www.youtube.com/channel/UC7gXXzu2D5rSu3NH4DJw9cw` - Lecture Livestreams

- `http://avenue.mcmaster.ca` - Lecture slides, grade book, additional information, this document

- `https://github.com` - Assessment Submission

- `piazza.com/mcmaster.ca/fall2021/cs3mi3` - anonymized class forum/message board. Ask your questions here!

  Schedule

  – Lectures

    Lectures will occur Tuesdays, Wednesdays and Fridays from 12:30 to 13:20, and will be livestreamed from the instructor's Youtube channel `https://www.youtube.com/channel/UC7gXXzu2D5rSu3NH4DJw9cw`. Lectures will be available for viewing after the time of streaming, class participation will occur using Youtube's in-built chat feature.

  – Tutorials

    There will be no tutorials in the first week of classes.

Section	TA	Time	Type	Location
T01	Habib	Wednesdays 11:30 - 12:20	Physical	ETB 238
T02	Nina	Thursdays 11:30 - 12:20	Physical	ETB 238
T03	Pesara	Thursdays 10:30 - 11:20	Physical	MDCL 1009
—	Habib	Thursdays 10:30 - 11:20	Virtual	MS Teams

  Prerequisites

  – All of:
    * COMPSCI 2CO3
    * COMPSCI 2LC3 or 2DM3
    * COMPSCI 2AC3 or 2FA3
    * COMPSCI 2ME3

Calendar Description 3 units. Principles of definition of and reasoning about programming languages and domain-specific languages; use of semantics for interpretation and in program analyses for correctness, security and efficiency. Three lectures; one tutorial (one hour); first term

2 Evaluation and Assessment

All evaluations in this course are individual in nature: no group work will be assigned. Instructions for submission will be provided in the assignment documents.

Assessments may be graded with the aid of auto-grading software.

Assignments	35%
Projects	35%
Exam	30%

2.1 Extension and Late Submission Policy

- Invoking an MSAF for an assignment or project results in a 3 day extension for the assessment.

- MSAFs must be submitted online at `http://www.mcmaster.ca/msaf/`

- If you require an accomodation beyond the scope of MSAF related policy, please email the instructor. Be advised that the instructor reserves the right to ask you questions, and to make a determination about further exemptions based on the answers provided.

3 Course Timeline

The instructor reserves the right to modify the information stated below as particular circumstances arise. The following information is subject to change without notice and notice without change.

The following table gives a timeline for assignment due dates and other assessments throughout the course. Assignments are due at Midnight on the day they are due.

Week #	Week of	Assignment	Assignment Due
1	Sep. 5		
2	Sep. 12	1	Sept. 19
3	Sep. 19	2	Sept. 26
4	Sep. 26	3	Oct. 3
5	Oct. 3	4	Oct. 10
6	Oct. 10	READING WEEK!	
7	Oct. 17	5	Oct. 24
8	Oct. 24	6	Oct. 31
9	Oct. 31	7	Nov. 7
10	Nov. 7	8	Nov. 14
11	Nov. 14	9	Nov. 21
12	Nov. 21	10	Nov. 28
13	Nov. 28		
14	Dec. 5		

4 Resources

4.1 Textbook

- Pierce, B. C. (2002). Types and programming languages. The MIT Press. [Not required]

Although the above is not a required to complete this course, it is the classic text for the material we will be covering in this course. It is also not an easy read, but worth having a copy of, especially if you plan on grad school. This course will follow closely the first two sections of this text.

4.2 Getting Assistance!

When seeking assistance, please try the following things in the following order.

1. First: We have set up a forum (see links above) using Piazza, where students may ask questions anonymously and receive answers from our instructional team or their peers. Check to see if someone else has had your problem, and if not, post your problem. It's quite superior to the forum system in Avenue, so please, if you have a question about an assignment question, or "I don't know what I'm doing wrong here!" or anything of that nature, Piazza is a great resource. There has been a TA specifically assigned to answer questions on Piazza, so the response time should be the best of any of these assistance mechanisms.

2. Second: Ask your TA in tutorial!

3. Third: You can email your TA!

4. Fourth: If all else fails, you can email the instructor.

5 Academic Integrity

You are expected to exhibit honesty and use ethical behaviour in all aspects of the learning process. Academic credentials you earn are rooted in principles of honesty and academic integrity.

Academic dishonesty is to knowingly act or fail to act in a way that results or could result in unearned academic credit or advantage. This behaviour can result in serious consequences, e.g. the grade of zero on an assignment, loss of credit with a notation on the transcript (notation reads: "Grade of F assigned for academic dishonesty"), and/or suspension or expulsion from the university.

It is your responsibility to understand what constitutes academic dishonesty. For information on the various types of academic dishonesty please refer to the Academic Integrity Policy, located at `http://www/mcmaster.ca/academicintegrity`

The following illustrates only three forms of academic dishonesty:

- Plagiarism, e.g. the submission of work that is not one's own as one's own.

- Improper collaboration in group work.

- Copying or using unauthorized aids in tests and examinations.

- Allowing your work to be copied by another student.

- Submitting for academic credit work that was already submitted for academic credit (i.e., a previous offering of 1MD3).

5.1 Automated Plagiarism Detection

In this course we will be using a web-based service (MOSS) to interrogate the authenticity and ownership of student submitted work. MOSS is a system developed specifically for detecting plagiarism in programming code, and is tuned to the specific ways code is plagiarised. MOSS generates a plagiarism report in which pairs of submissions are given a similarity score, the highest of which are tabulated into a report. Submissions which have a high degree of similarity and then examined manually for plagiarism, and dealt with accordingly.

DON'T BE FOOLED - Contrary to public opinion, a person's code is as unique to them as an essay would be. The argument "well, there's only one way to solve the problem anyways" will be dealt with by the swift wings and iron zero-giving fist of electronic justice.

Students who do not wish their work to be submitted through the plagiarism detection software must inform the Instructor before the assignment is due. No penalty will be assigned to a student who does not submit work to the plagiarism detection software. All submitted work is subject to normal verification that standards of academic integrity have been upheld (e.g., on-line search, other software, etc.). For more details about McMaster's use of Turnitin.com please go to `www.mcmaster.ca/academicintegrity`.

5.2 Courses with an Online Element

Some courses may use on-line elements (e.g. e-mail, Avenue to Learn (A2L), LearnLink, web pages, capa, Moodle, ThinkingCap, etc.). Students should be aware that, when they access the electronic components of a course using these elements, private information such as first and last names, user names for the McMaster e-mail accounts, and program affiliation may become apparent to all other students in the same course. The available information is dependent on the technology used. Continuation in a course that uses on-line elements will be deemed consent to this disclosure. If you have any questions or concerns about such disclosure please discuss this with the course instructor.

5.3 Online Proctoring

Some courses may use online proctoring software for tests and exams. This software may require students to turn on their video camera, present identification, monitor and record their computer activities, and/or lock/restrict their browser or other applications/software during tests or exams. This software may be required to be installed before the test/exam begins.

6 Various Disclaimers and Other Boilerplate Items

6.1 Expectations of Student Conduct

As a McMaster student, you have the right to experience, and the responsibility to demonstrate, respectful and dignified interactions within all of our living, learning and working communities. These expectations are described in the Code of Student Rights & Responsibilities (the "Code"). All students share the responsibility of maintaining a positive environment for the academic and personal growth of all McMaster community members, whether in person or online.

It is essential that students be mindful of their interactions online, as the Code remains in effect in virtual learning environments. The Code applies to any interactions that adversely affect, disrupt, or interfere with reasonable participation in University activities. Student disruptions or behaviours that interfere with university functions on online platforms (e.g. use of Avenue 2 Learn, WebEx or Zoom for delivery), will be taken very seriously and will be investigated. Outcomes may include restriction or removal of the involved students' access to these platforms.

6.2 Academic Accomodation for Students with Disabilities

Students who require academic accommodation must contact Student Accessibility Services (SAS) to make arrangements with a Program Coordinator. Academic accommodations must be arranged for each term of study. Student Accessibility Services can be contacted by phone 905-525-9140 ext. 28652 or e-mail sas@mcmaster.ca. For further information, consult McMaster University's Policy for Academic Accommodation of Students with Disabilities.

6.3 Requests for Relief for Missed Academic Term Work

McMaster Student Absence Form (MSAF) - In the event of an absence for medical or other reasons, students should review and follow the Academic Regulation in the Undergraduate Calendar "Requests for Relief for Missed Academic Term Work".

6.4 Academic Accommodation for Religious, Indigenous or Spiritual Observances (RISO)

Students requiring academic accommodation based on religious, indigenous or spiritual observances should follow the procedures set out in the RISO policy. Students requiring a RISO accommodation should submit their request to their Faculty Office normally within 10 working days of the beginning of term in which they anticipate a need for accommodation or to the Registrar's Office prior to their examinations. Students should also contact their instructors as soon as possible to make alternative arrangements for classes, assignments, and tests.

6.5 Copyright and Recording

Students are advised that lectures, demonstrations, performances, and any other course material provided by an instructor include copyright protected works. The Copyright Act and copyright law protect every original literary, dramatic, musical and artistic work, including lectures by University instructors The recording of lectures, tutorials, or other methods of instruction may occur during a course. Recording may be done by either the instructor for the purpose of authorized distribution, or by a student for the purpose of personal study. Students should be aware that their voice and/or image may be recorded by others during the class. Please speak with the instructor if this is a concern for you.

6.6 Extreme Circumstances

The University reserves the right to change the dates and deadlines for any or all courses in extreme circumstances (e.g., severe weather, labour disruptions, etc.). Changes will be communicated through regular McMaster communication channels, such as McMaster Daily News, A2L and/or McMaster email.

6.7 On-Line Participation Disclaimer

In this course we will be using Avenue, JupyterHub and Piazza. Students should be aware that, when they access the electronic components of this course, private information such as first and last names, user names for the McMaster e-mail accounts,and program affiliation may become apparent to all other students in the same course. The available information is dependent on the technology used. Continuation in this course will be deemed consent to this disclosure. If you have any questions or concerns about such disclosure please discuss this with the course instructor.