

Course Syllabus

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This course website is still under construction and this syllabus has not yet been approved by the department. All details are subject to change.

The University of Toronto is committed to equity, human rights and respect for diversity. All members of the learning environment in this course should strive to create an atmosphere of mutual respect where all members of our community can express themselves, engage with each other, and respect one another's differences. The University of Toronto does not condone discrimination or harassment against any persons or communities.

Logistics

The instructor and course coordinator is Mario Badr. All course announcements are made on Quercus and you are responsible for reading all announcements made in this course.

For *personal questions*, please email **csc258-2022-09@cs.toronto.edu** from your University of Toronto email address. **Do not email your instructor directly**—we are using a separate email account to ensure that every email is properly recorded and answered as smoothly as possible. Please include CSC258 in the subject line, your full name, UTORid, and student number in the body of the email. We try to respond to emails within 3 business days. However, it may take longer, especially near due dates. If you do not hear back after a few days, please do not hesitate to send a follow-up email.

For course-related questions, please post all of your questions about the course material and assignments on Piazza so that everyone can benefit from your questions. We monitor the discussion board regularly, but please answer questions from other students—helping someone else learn is one of the most effective ways to truly master a subject.

Attending lectures

The first lecture is on Friday, September 9th. All lectures start at 10 minutes past the hour at the place and time specified on ACORN. Lecture attendance is not mandatory, but recommended. If the lecture hall supports it, recordings will be made available on Quercus. Please see below for our policy on lecture recordings.

Attending Labs

The first lab is on **Tuesday, September 27 (LEC0101)** or **Wednesday, September 28 (LEC0201)**, depending on your section. The lab rooms are: BA3145, BA3155, and BA3165. All labs start at 10 minutes past the hour at the time specified on ACORN. **Lab attendance is mandatory** and each lab station supports two students. See the Assessments section for more details.

Attending Office Hours

Each week, Mario holds office hours to provide an informal setting for students to drop in and ask questions or just chat about the course material. Office hours are typically, but not always, on Mondays and Wednesdays between 12:30 and 1:30 pm. The first office hour is on **Monday, September 12th**. Other office hours may be added based on demand and availability. Please check the announcements regularly for updates.

Our office hours are *student-driven*, meaning the instructor won't have any material prepared, and instead the discussion is based on whatever questions you'd like to ask. Office hours are also *group-based*, meaning we stick to questions that aren't specific to any particular student, but rather to course concepts and answers that every student can benefit from.

About the course

This course teaches students about how computers work at a very low level, and covers several important learning objectives from the [Computer Science Curricula \(https://dl.acm.org/doi/book/10.1145/2534860\)](https://dl.acm.org/doi/book/10.1145/2534860). Some of the key learning objectives from System Fundamentals include:

- Design a simple logic circuit using the fundamental building blocks of logic design.
- Describe how computing systems are constructed of layers upon layers, based on separation of concerns, with well-defined interfaces, hiding details of low layers from the higher layers.
- Describe a computer as a state machine that interprets machine instructions.

In addition, the course focuses on learning objectives from the Architecture and Organization knowledge area. Some key learning objectives include:

- Explain why everything is data, including instructions, in computers.
- Explain the organization of the classical von Neumann machine and its major functional units.
- Show how fundamental high-level programming constructs are implemented at the machine-language level.

The high-level sequence of topics students learn in this course is:

1. Basic Transistor Operation (nMOS, pMOS)
2. Creating Digital Logic Gates using CMOS Logic

3. Combinational Logic Design
4. Sequential Logic Design
5. Computer Architecture
6. Micro-architecture
7. Assembly Programming

Textbook

The required textbook is: Harris, David, and Sarah L. Harris. *Digital design and computer architecture*. Morgan Kaufmann, 2007. **You may access the textbook online for free** using your UTORid ([Mirror 1 \(https://www-sciencedirect-com.myaccess.library.utoronto.ca/book/9780123704979/digital-design-and-computer-architecture\)](https://www-sciencedirect-com.myaccess.library.utoronto.ca/book/9780123704979/digital-design-and-computer-architecture), [Mirror 2 \(https://books-scholarsportal-info.myaccess.library.utoronto.ca/en/read?id=/ebooks/ebooks0/elsevier/2009-12-02/1/9780123704979\)](https://books-scholarsportal-info.myaccess.library.utoronto.ca/en/read?id=/ebooks/ebooks0/elsevier/2009-12-02/1/9780123704979)).

You may also use Mano, M. Morris, Charles R. Kime, and Tom Martin. *Logic and computer design fundamentals*, Pearson. The fourth edition has been used by this course in the not too distant past.

Assessments

The table below summarizes the assessments in the course. Lab and Project assessments require the use of [software that you may need to install](#). Additional information on each assessment type can be found below the table.

Summary of CSC258H1F Assessments

Assessment	Due Date/Date Held (Eastern Time)	Count	Weight	Platform	Assessment Type
Lab Preparations	Tuesdays before 9am	7	7%	MarkUs	Individual
Lab Demonstrations	During your scheduled lab session	7	28%	In Person	Individual
Term Test 1	Friday, October 14th	1	10%	In Person (EX100)	Individual
Term Test 2	Friday, November 25th	1	10%	In Person (EX100)	Individual
Project Demonstrations	During your scheduled lab session (Weeks 11 and 12)	2	15%	In Person and MarkUs	Pairs
Final Exam	To be announced.	1	30%**	In Person	Individual

****You must get at least 40% on the final exam to pass the course.**

Lab Preparations and Demonstrations

Each lab is separated into two parts: preparation and demonstration. You can find a schedule for the labs toward the bottom of this syllabus under Course Summary. During the lab itself, you work in pairs at a specific work station (you may not work individually). Your partner must be from the same section as you, and you will work on all seven lab demonstrations together at the same workstation. However, the demonstrations are assessed individually by your TA based on your answers to their questions.

1. *Lab Preparations* are **mandatory** for each lab and must be **submitted by the due date on MarkUs**. Submissions typically include a lab report and accompanying designs. Late submissions are not accepted.
2. *Lab Demonstrations* are **mandatory** and completed in person during your lab session. You and your partner will demonstrate that you have completed the lab to your Teaching Assistant and answer some questions about the lab and your preparation.

Term Tests

The term tests are timed (45 minutes), supervised assessments that evaluate your fluency of the material. The term tests are completed during each section's corresponding lecture time. However, **the term tests do not take place in the same room as lecture**. They take place in the Exam Centre (EX100).

Project

A large assembly language project takes place during the last month of the course. You complete the project in pairs, but your partner does not need to be the same partner as the labs. Your project partner and you must be in the same section, and you will demonstrate on the project at the same workstation. Unlike the labs, the project is a group grade.

Final Exam

The Final Exam is scheduled by the Faculty of Arts and Science during the final assessment period. When it has been scheduled we will announce the date, time, and room of the final exam.

Accommodations and accessibility services

The University provides academic accommodations for students with disabilities in accordance with the terms of the Ontario Human Rights Code. This occurs through a collaborative process that acknowledges a collective obligation to develop an accessible learning environment that both meets the needs of students and preserves the essential academic requirements of the University's courses and programs.

Students with diverse learning styles and needs are welcome in this course. If you have a disability that may require accommodations, please contact the [Accessibility Services on the St. George campus](https://studentlife.utoronto.ca/department/accessibility-services/) (<https://studentlife.utoronto.ca/department/accessibility-services/>) office as soon as possible.

Special consideration and missed work

Students experiencing illness or other emergencies that prevent them from being able to complete homework on time, or write the midterm, can apply to the Course Coordinator for special consideration. You will be required to affirm that you are abiding by the [Code of Behaviour on Academic Matters](https://governingcouncil.utoronto.ca/secretariat/policies/code-behaviour-academic-matters-july-1-2019) (<https://governingcouncil.utoronto.ca/secretariat/policies/code-behaviour-academic-matters-july-1-2019>), in particular, to be aware that it is an offence:

to engage in any form of cheating, academic dishonesty or misconduct, fraud or misrepresentation not herein otherwise described, in order to obtain academic credit or other academic advantage of any kind

That is, you must be truly experiencing an emergency, and acknowledge that to falsely claim so is an academic offence. Applying does not guarantee that you will be granted special consideration.

To apply for special consideration, complete the [special consideration form](https://q.utoronto.ca/courses/278725/files/21292459/download?download_frd=1) ↓ (https://q.utoronto.ca/courses/278725/files/21292459/download?download_frd=1) and email it to the course account (see email above) *from your UofT email address*. You should also fill out the Absence Declaration Tool on [ACORN](https://acorn.utoronto.ca) (<https://acorn.utoronto.ca>).

IMPORTANT: *Submit your request soon as possible if you find yourself in such a situation. It is easier to resolve situations earlier rather than later.* If your emergency will affect your ability to complete coursework for more than a few days, or in multiple courses, we recommend you also talk to your registrar.

Note that **this procedure does NOT apply to the final exam**. Your Registrar handles all matters related to final exams.

Academic integrity

All suspected cases of academic dishonesty will be investigated following procedures outlined in the Code of Behaviour on Academic Matters. If you have questions or concerns about what constitutes appropriate academic behaviour or appropriate research and citation methods, please reach out. Note that you are expected to seek out additional information on academic integrity from me or from other institutional resources (for example, the [University of Toronto website on Academic Integrity](https://www.academicintegrity.utoronto.ca/) (<https://www.academicintegrity.utoronto.ca/>)).

Here are a few guidelines to help you maintain academic integrity:

- Never look at another student's or group's assignment solution or idea for a solution, whether it is on paper or on the computer screen, and don't allow your solution to be viewed by or come into the possession of another student. Maintain absolute control of your work, including notes and partial solutions, at all times.
- We encourage you to discuss course concepts and to study for exams with other students, but any work that is submitted should be your own. The easiest way to avoid plagiarism is to only show work to a TA or instructor. (Remove second sentence?)
- An academic offence may significantly slow your progress through your degree. It is better to submit a partially completed assignment and receive a low mark than to face an academic offence on your record.
- While it might be tempting to look for ideas and code in public repositories like GitHub, remember that using someone else's code without attribution, even if making some changes, is considered plagiarism. Keep in mind that plagiarism detection software may detect such cases.
- You must discuss all assignment submissions with your partner, not just to understand the content, but also to avoid the unfortunate situation where your partner might be committing an academic offence. If you suspect that your partner does not understand their own work, it may be a sign that your partner has plagiarized from other sources. Keep in mind that you are responsible for all the work submitted and plagiarism cases are pursued for all group members, so you must be vigilant and involved in all parts of the assignment.

Copyright notice

Course materials prepared by the instructor are considered by the University to be an instructor's intellectual property covered by the Copyright Act, RSC 1985, c C-42. These materials are made available to you for your personal, and cannot be shared outside of the class or published (made publicly available) in any way. Posting course materials or any recordings you may make to other websites without the express permission of the instructor will constitute copyright infringement.

This notice applies to all course materials, including (but not limited to): course notes, lecture slides, lecture recordings, lecture and tutorial handouts, sample solutions, and assessment handouts, starter code, and solutions.

Lecture recordings

This course, including your participation, may be recorded on video and made available to students in the course for viewing remotely after each session. Course videos and materials belong to your instructor, the University, and/or other sources depending on the specific facts of each situation and are protected by copyright. In this course, you are permitted to download session videos and materials for your own academic use, but you should not copy, share, or use them for any other purpose without the explicit permission of the instructor.






For questions about the recording and use of videos in which you appear, please contact us.










Your course work

Work that you complete in this course may not be shared with other students or published. This policy is to both protect the intellectual property of course staff and to protect you from committing acts of academic dishonesty. For more information on this topic, see [the Department of Computer Science website \(https://web.cs.toronto.edu/undergraduate/portfolio-advice\)](https://web.cs.toronto.edu/undergraduate/portfolio-advice).










[GitHub \(https://www.github.com\)](https://www.github.com) is a popular option for computer science students and professionals to both collaborate in teams and publish their work online, including to develop a portfolio for potential employers. As we said in the *Academic Integrity* section, you should not put your work publicly on GitHub. However, you may use GitHub's **private repositories** to store your own work, and work with a group on course assignments. (See [GitHub's instructions for creating a repository \(https://docs.github.com/en/github/getting-started-with-github/create-a-repo\)](https://docs.github.com/en/github/getting-started-with-github/create-a-repo) and select "Private" in Step 4.)









Course Summary:








Date	Details	Due
Fri Sep 9, 2022	 CSC258 LEC0101 Lecture (https://q.utoronto.ca/calendar?event_id=563673&include_contexts=course_278725)	10am to 11am
	 CSC258 LEC0201 Lecture (https://q.utoronto.ca/calendar?event_id=563687&include_contexts=course_278725)	11am to 12pm
Mon Sep 12, 2022	 CSC258 LEC0101 Lecture (https://q.utoronto.ca/calendar?event_id=563597&include_contexts=course_278725)	10am to 11am
	 CSC258 LEC0201 Lecture (https://q.utoronto.ca/calendar?event_id=563612&include_contexts=course_278725)	11am to 12pm
	 Mario's CSC258 Office Hour (https://q.utoronto.ca/calendar?event_id=563583&include_contexts=course_278725)	12:30pm to 1:30pm









Date	Details	Due
	include_contexts=course_278725)	
Wed Sep 14, 2022	 CSC258 LEC0101 Lecture https://q.utoronto.ca/calendar?event_id=563629&include_contexts=course_278725)	10am to 11am
	 CSC258 LEC0201 Lecture https://q.utoronto.ca/calendar?event_id=563646&include_contexts=course_278725)	11am to 12pm
	 Mario's CSC258 Office Hour https://q.utoronto.ca/calendar?event_id=563659&include_contexts=course_278725)	12:30pm to 1:30pm
Fri Sep 16, 2022	 CSC258 LEC0101 Lecture https://q.utoronto.ca/calendar?event_id=563674&include_contexts=course_278725)	10am to 11am
	 CSC258 LEC0201 Lecture https://q.utoronto.ca/calendar?event_id=563688&include_contexts=course_278725)	11am to 12pm
Mon Sep 19, 2022	 CSC258 LEC0101 Lecture https://q.utoronto.ca/calendar?event_id=563598&include_contexts=course_278725)	10am to 11am
	 CSC258 LEC0201 Lecture https://q.utoronto.ca/calendar?event_id=563613&include_contexts=course_278725)	11am to 12pm
Wed Sep 21, 2022	 Mario's CSC258 Office Hour https://q.utoronto.ca/calendar?event_id=563584&include_contexts=course_278725)	12:30pm to 1:30pm
	 CSC258 LEC0101 Lecture https://q.utoronto.ca/calendar?event_id=563630&include_contexts=course_278725)	10am to 11am










Date	Details	Due
	include_contexts=course_278725)	
	 CSC258 LEC0201 Lecture https://q.utoronto.ca/calendar?event_id=563647&include_contexts=course_278725)	11am to 12pm
	 CSC258 LEC0101 Lecture https://q.utoronto.ca/calendar?event_id=563675&include_contexts=course_278725)	10am to 11am
Fri Sep 23, 2022	 CSC258 LEC0201 Lecture https://q.utoronto.ca/calendar?event_id=563689&include_contexts=course_278725)	11am to 12pm
	 CSC258 LEC0101 Lecture https://q.utoronto.ca/calendar?event_id=563599&include_contexts=course_278725)	10am to 11am
Mon Sep 26, 2022	 CSC258 LEC0201 Lecture https://q.utoronto.ca/calendar?event_id=563614&include_contexts=course_278725)	11am to 12pm
	 Mario's CSC258 Office Hour https://q.utoronto.ca/calendar?event_id=563585&include_contexts=course_278725)	12:30pm to 1:30pm
	 Lab 1 Preparation https://q.utoronto.ca/courses/278725/assignments/876625)	due by 9am
Tue Sep 27, 2022	 CSC258 Lab Session https://q.utoronto.ca/calendar?event_id=563703&include_contexts=course_278725)	6pm to 9pm
	 Lab 1 Demonstration https://q.utoronto.ca/courses/278725/assignments/876633)	due by 9pm










Date	Details	Due
	(CSC258H1-F-LEC0101-20229)	
	 CSC258 LEC0101 Lecture https://q.utoronto.ca/calendar?event_id=563631&include_contexts=course_278725	10am to 11am
	 CSC258 LEC0201 Lecture https://q.utoronto.ca/calendar?event_id=563648&include_contexts=course_278725	11am to 12pm
Wed Sep 28, 2022	 Mario's CSC258 Office Hour https://q.utoronto.ca/calendar?event_id=563661&include_contexts=course_278725	12:30pm to 1:30pm
	 CSC258 Lab Session (CSC258H1-F-LEC0201-20229) https://q.utoronto.ca/calendar?event_id=563704&include_contexts=course_278725	6pm to 9pm
	 Lab 1 Demonstration https://q.utoronto.ca/courses/278725/assignments/876633 (CSC258H1-F-LEC0201-20229)	due by 9pm
	 CSC258 LEC0101 Lecture https://q.utoronto.ca/calendar?event_id=563676&include_contexts=course_278725	10am to 11am
Fri Sep 30, 2022	 CSC258 LEC0201 Lecture https://q.utoronto.ca/calendar?event_id=563690&include_contexts=course_278725	11am to 12pm
	 CSC258 LEC0101 Lecture https://q.utoronto.ca/calendar?event_id=563600&include_contexts=course_278725	10am to 11am
Mon Oct 3, 2022	 CSC258 LEC0201 Lecture https://q.utoronto.ca/calendar?event_id=563600&include_contexts=course_278725	11am to 12pm










Date	Details	Due
	/calendar?event_id=563615&include_contexts=course_278725)	
	 Mario's CSC258 Office Hour (https://q.utoronto.ca/calendar?event_id=563586&include_contexts=course_278725)	12:30pm to 1:30pm
	 Lab 2 Preparation (https://q.utoronto.ca/courses/278725/assignments/876626)	due by 9am
Tue Oct 4, 2022	 CSC258 Lab Session (CSC258H1-F-LEC0101-20229) (https://q.utoronto.ca/calendar?event_id=563706&include_contexts=course_278725)	6pm to 9pm
	 Lab 2 Demonstration (https://q.utoronto.ca/courses/278725/assignments/876635) (CSC258H1-F-LEC0101-20229)	due by 9pm
	 CSC258 LEC0101 Lecture (https://q.utoronto.ca/calendar?event_id=563632&include_contexts=course_278725)	10am to 11am
	 CSC258 LEC0201 Lecture (https://q.utoronto.ca/calendar?event_id=563649&include_contexts=course_278725)	11am to 12pm
Wed Oct 5, 2022	 Mario's CSC258 Office Hour (https://q.utoronto.ca/calendar?event_id=563662&include_contexts=course_278725)	12:30pm to 1:30pm
	 CSC258 Lab Session (CSC258H1-F-LEC0201-20229) (https://q.utoronto.ca/calendar?event_id=563707&include_contexts=course_278725)	6pm to 9pm










Date	Details	Due
Fri Oct 7, 2022	 Lab 2 Demonstration (https://q.utoronto.ca/courses/278725/assignments/876635) (CSC258H1-F-LEC0201-20229)	due by 9pm
	 CSC258 LEC0101 Lecture (https://q.utoronto.ca/calendar?event_id=563677&include_contexts=course_278725)	10am to 11am
	 CSC258 LEC0201 Lecture (https://q.utoronto.ca/calendar?event_id=563691&include_contexts=course_278725)	11am to 12pm
	 CSC258 LEC0101 Lecture (https://q.utoronto.ca/calendar?event_id=563601&include_contexts=course_278725)	10am to 11am
Mon Oct 10, 2022	 CSC258 LEC0201 Lecture (https://q.utoronto.ca/calendar?event_id=563616&include_contexts=course_278725)	11am to 12pm
	 Mario's CSC258 Office Hour (https://q.utoronto.ca/calendar?event_id=563587&include_contexts=course_278725)	12:30pm to 1:30pm
	 Lab 3 Preparation (https://q.utoronto.ca/courses/278725/assignments/876627)	due by 9am
Tue Oct 11, 2022	 CSC258 Lab Session (CSC258H1-F-LEC0101-20229) (https://q.utoronto.ca/calendar?event_id=563709&include_contexts=course_278725)	6pm to 9pm
	 Lab 3 Demonstration (https://q.utoronto.ca/courses/278725/assignments/876636) (CSC258H1-F-LEC0101-20229)	due by 9pm





Date	Details	Due
Wed Oct 12, 2022	 CSC258 LEC0101 Lecture (https://q.utoronto.ca/calendar?event_id=563633&include_contexts=course_278725)	10am to 11am
	 CSC258 LEC0201 Lecture (https://q.utoronto.ca/calendar?event_id=563650&include_contexts=course_278725)	11am to 12pm
	 Mario's CSC258 Office Hour (https://q.utoronto.ca/calendar?event_id=563663&include_contexts=course_278725)	12:30pm to 1:30pm
	 CSC258 Lab Session (CSC258H1-F-LEC0201-20229) (https://q.utoronto.ca/calendar?event_id=563710&include_contexts=course_278725)	6pm to 9pm
	 Lab 3 Demonstration (https://q.utoronto.ca/courses/278725/assignments/876636) (CSC258H1-F-LEC0201-20229)	due by 9pm
Fri Oct 14, 2022	 CSC258 LEC0101 Lecture (https://q.utoronto.ca/calendar?event_id=563678&include_contexts=course_278725)	10am to 11am
	 CSC258 LEC0201 Lecture (https://q.utoronto.ca/calendar?event_id=563692&include_contexts=course_278725)	11am to 12pm
	 Term Test 1 (https://q.utoronto.ca/courses/278725/assignments/876663) (CSC258H1-F-LEC0101-20229)	due by 11am









Date	Details	Due
	 Term Test 1 https://q.utoronto.ca/courses/278725/assignments/876663 (CSC258H1-F-LEC0201-20229)	due by 12pm
	 CSC258 LEC0101 Lecture https://q.utoronto.ca/calendar?event_id=563602&include_contexts=course_278725	10am to 11am
Mon Oct 17, 2022	 CSC258 LEC0201 Lecture https://q.utoronto.ca/calendar?event_id=563617&include_contexts=course_278725	11am to 12pm
	 Mario's CSC258 Office Hour https://q.utoronto.ca/calendar?event_id=563588&include_contexts=course_278725	12:30pm to 1:30pm
	 Lab 4 Preparation https://q.utoronto.ca/courses/278725/assignments/876628	due by 9am
Tue Oct 18, 2022	 CSC258 Lab Session https://q.utoronto.ca/calendar?event_id=563712&include_contexts=course_278725 (CSC258H1-F-LEC0101-20229)	6pm to 9pm
	 Lab 4 Demonstration https://q.utoronto.ca/courses/278725/assignments/876637 (CSC258H1-F-LEC0101-20229)	due by 9pm
Wed Oct 19, 2022	 CSC258 LEC0101 Lecture https://q.utoronto.ca/calendar?event_id=563634&include_contexts=course_278725	10am to 11am
	 CSC258 LEC0201 Lecture https://q.utoronto.ca/calendar?event_id=563651&include_contexts=course_278725	11am to 12pm









Date	Details	Due
Fri Oct 21, 2022	 Mario's CSC258 Office Hour /calendar?event_id=563664&include_contexts=course_278725	12:30pm to 1:30pm
	 CSC258 Lab Session /calendar?event_id=563713&include_contexts=course_278725	6pm to 9pm
	 Lab 4 Demonstration /assignments/876637 (CSC258H1-F-LEC0201-20229)	due by 9pm
	 CSC258 LEC0101 Lecture /calendar?event_id=563679&include_contexts=course_278725	10am to 11am
	 CSC258 LEC0201 Lecture /calendar?event_id=563693&include_contexts=course_278725	11am to 12pm
	 CSC258 LEC0101 Lecture /calendar?event_id=563603&include_contexts=course_278725	10am to 11am
Mon Oct 24, 2022	 CSC258 LEC0201 Lecture /calendar?event_id=563618&include_contexts=course_278725	11am to 12pm
	 Mario's CSC258 Office Hour /calendar?event_id=563589&include_contexts=course_278725	12:30pm to 1:30pm
Tue Oct 25, 2022	 Lab 5 Preparation /assignments/876629	due by 9am










Date	Details	Due
	 CSC258 Lab Session (CSC258H1-F-LEC0101-20229) /calendar?event_id=563715&include_contexts=course_278725	6pm to 9pm
	 Lab 5 Demonstration /assignments/876638 (CSC258H1-F-LEC0101-20229)	due by 9pm
	 CSC258 LEC0101 Lecture /calendar?event_id=563635&include_contexts=course_278725	10am to 11am
	 CSC258 LEC0201 Lecture /calendar?event_id=563652&include_contexts=course_278725	11am to 12pm
Wed Oct 26, 2022	 CSC258 Lab Session (CSC258H1-F-LEC0201-20229) /calendar?event_id=563716&include_contexts=course_278725	6pm to 9pm
	 Lab 5 Demonstration /assignments/876638 (CSC258H1-F-LEC0201-20229)	due by 9pm
	 CSC258 LEC0101 Lecture /calendar?event_id=563680&include_contexts=course_278725	10am to 11am
Fri Oct 28, 2022	 CSC258 LEC0201 Lecture /calendar?event_id=563694&include_contexts=course_278725	11am to 12pm
Mon Oct 31, 2022	 CSC258 LEC0101 Lecture /calendar?event_id=563604&include_contexts=course_278725	10am to 11am










Date	Details	Due
	include_contexts=course_278725)	
	 CSC258 LEC0201 Lecture https://q.utoronto.ca/calendar?event_id=563619&include_contexts=course_278725)	11am to 12pm
	 Mario's CSC258 Office Hour https://q.utoronto.ca/calendar?event_id=563590&include_contexts=course_278725)	12:30pm to 1:30pm
	 Lab 6 Preparation https://q.utoronto.ca/courses/278725/assignments/876630)	due by 9am
Tue Nov 1, 2022	 CSC258 Lab Session CSC258H1-F-LEC0101-20229) https://q.utoronto.ca/calendar?event_id=563718&include_contexts=course_278725)	6pm to 9pm
	 Lab 6 Demonstration https://q.utoronto.ca/courses/278725/assignments/876639) (CSC258H1-F-LEC0101-20229)	due by 9pm
	 CSC258 LEC0101 Lecture https://q.utoronto.ca/calendar?event_id=563636&include_contexts=course_278725)	10am to 11am
	 CSC258 LEC0201 Lecture https://q.utoronto.ca/calendar?event_id=563653&include_contexts=course_278725)	11am to 12pm
Wed Nov 2, 2022	 Mario's CSC258 Office Hour https://q.utoronto.ca/calendar?event_id=563666&include_contexts=course_278725)	12:30pm to 1:30pm
	 CSC258 Lab Session CSC258H1-F-LEC0201-20229) https://q.utoronto.ca	6pm to 9pm


Date	Details	Due
	/calendar?event_id=563719&include_contexts=course_278725)	
	 Lab 6 Demonstration https://q.utoronto.ca/courses/278725/assignments/876639 (CSC258H1-F-LEC0201-20229)	due by 9pm
Fri Nov 4, 2022	 CSC258 LEC0101 Lecture https://q.utoronto.ca/calendar?event_id=563681&include_contexts=course_278725)	10am to 11am
	 CSC258 LEC0201 Lecture https://q.utoronto.ca/calendar?event_id=563695&include_contexts=course_278725)	11am to 12pm
	 CSC258 LEC0101 Lecture https://q.utoronto.ca/calendar?event_id=563606&include_contexts=course_278725)	10am to 11am
Mon Nov 14, 2022	 CSC258 LEC0201 Lecture https://q.utoronto.ca/calendar?event_id=563621&include_contexts=course_278725)	11am to 12pm
	 Mario's CSC258 Office Hour https://q.utoronto.ca/calendar?event_id=563592&include_contexts=course_278725)	12:30pm to 1:30pm
	 Lab 7 Preparation https://q.utoronto.ca/courses/278725/assignments/876631	due by 9am
Tue Nov 15, 2022	 CSC258 Lab Session (CSC258H1-F-LEC0101-20229) https://q.utoronto.ca/calendar?event_id=563724&include_contexts=course_278725)	6pm to 9pm
	 Lab 7 Demonstration https://q.utoronto.ca/courses/278725	due by 9pm

Date	Details	Due
	/assignments/876640 (CSC258H1-F-LEC0101-20229)	
	 CSC258 LEC0101 Lecture https://q.utoronto.ca/calendar?event_id=563638&include_contexts=course_278725	10am to 11am
	 CSC258 LEC0201 Lecture https://q.utoronto.ca/calendar?event_id=563655&include_contexts=course_278725	11am to 12pm
Wed Nov 16, 2022	 Mario's CSC258 Office Hour https://q.utoronto.ca/calendar?event_id=563668&include_contexts=course_278725	12:30pm to 1:30pm
	 CSC258 Lab Session (CSC258H1-F-LEC0201-20229) https://q.utoronto.ca/calendar?event_id=563725&include_contexts=course_278725	6pm to 9pm
	 Lab 7 Demonstration https://q.utoronto.ca/courses/278725/assignments/876640 (CSC258H1-F-LEC0201-20229)	due by 9pm
	 CSC258 LEC0101 Lecture https://q.utoronto.ca/calendar?event_id=563683&include_contexts=course_278725	10am to 11am
Fri Nov 18, 2022	 CSC258 LEC0201 Lecture https://q.utoronto.ca/calendar?event_id=563697&include_contexts=course_278725	11am to 12pm
Mon Nov 21, 2022	 CSC258 LEC0101 Lecture https://q.utoronto.ca/calendar?event_id=563607&include_contexts=course_278725	10am to 11am

Date	Details	Due
	 CSC258 LEC0201 Lecture (https://q.utoronto.ca/calendar?event_id=563622&include_contexts=course_278725)	11am to 12pm
	 Mario's CSC258 Office Hour (https://q.utoronto.ca/calendar?event_id=563593&include_contexts=course_278725)	12:30pm to 1:30pm
	 CSC258 LEC0101 Lecture (https://q.utoronto.ca/calendar?event_id=563639&include_contexts=course_278725)	10am to 11am
Wed Nov 23, 2022	 CSC258 LEC0201 Lecture (https://q.utoronto.ca/calendar?event_id=563656&include_contexts=course_278725)	11am to 12pm
	 Mario's CSC258 Office Hour (https://q.utoronto.ca/calendar?event_id=563669&include_contexts=course_278725)	12:30pm to 1:30pm
	 CSC258 LEC0101 Lecture (https://q.utoronto.ca/calendar?event_id=563684&include_contexts=course_278725)	10am to 11am
Fri Nov 25, 2022	 CSC258 LEC0201 Lecture (https://q.utoronto.ca/calendar?event_id=563698&include_contexts=course_278725)	11am to 12pm
	 Term Test 2 (https://q.utoronto.ca/courses/278725/assignments/876664) (CSC258H1-F-LEC0101-20229)	due by 11am
	 Term Test 2 (https://q.utoronto.ca/courses/278725/assignments/876664) (CSC258H1-F-LEC0201-20229)	due by 12pm

Date	Details	Due
Mon Nov 28, 2022	 CSC258 LEC0101 Lecture (https://q.utoronto.ca/calendar?event_id=563608&include_contexts=course_278725)	10am to 11am
	 CSC258 LEC0201 Lecture (https://q.utoronto.ca/calendar?event_id=563623&include_contexts=course_278725)	11am to 12pm
	 Mario's CSC258 Office Hour (https://q.utoronto.ca/calendar?event_id=563594&include_contexts=course_278725)	12:30pm to 1:30pm
Tue Nov 29, 2022	 Project Demonstration 1 (https://q.utoronto.ca/courses/278725/assignments/876686)	due by 9am
	 CSC258 Lab Session (CSC258H1-F-LEC0101-20229) (https://q.utoronto.ca/calendar?event_id=563730&include_contexts=course_278725)	6pm to 9pm
Wed Nov 30, 2022	 CSC258 LEC0101 Lecture (https://q.utoronto.ca/calendar?event_id=563640&include_contexts=course_278725)	10am to 11am
	 CSC258 LEC0201 Lecture (https://q.utoronto.ca/calendar?event_id=563657&include_contexts=course_278725)	11am to 12pm
	 Mario's CSC258 Office Hour (https://q.utoronto.ca/calendar?event_id=563670&include_contexts=course_278725)	12:30pm to 1:30pm
	 CSC258 Lab Session (CSC258H1-F-LEC0201-20229) (https://q.utoronto.ca/calendar?event_id=563731&include_contexts=course_278725)	6pm to 9pm

Date	Details	Due
	include_contexts=course_278725)	
Fri Dec 2, 2022	 CSC258 LEC0101 Lecture https://q.utoronto.ca/calendar?event_id=563685&include_contexts=course_278725)	10am to 11am
	 CSC258 LEC0201 Lecture https://q.utoronto.ca/calendar?event_id=563699&include_contexts=course_278725)	11am to 12pm
	 CSC258 LEC0101 Lecture https://q.utoronto.ca/calendar?event_id=563609&include_contexts=course_278725)	10am to 11am
Mon Dec 5, 2022	 CSC258 LEC0201 Lecture https://q.utoronto.ca/calendar?event_id=563624&include_contexts=course_278725)	11am to 12pm
	 Mario's CSC258 Office Hour https://q.utoronto.ca/calendar?event_id=563595&include_contexts=course_278725)	12:30pm to 1:30pm
	 Project Demonstration 2 https://q.utoronto.ca/courses/278725/assignments/876687)	due by 9am
Tue Dec 6, 2022	 CSC258 Lab Session CSC258H1-F-LEC0101-20229 https://q.utoronto.ca/calendar?event_id=563733&include_contexts=course_278725)	6pm to 9pm
	 CSC258 LEC0101 Lecture https://q.utoronto.ca/calendar?event_id=563641&include_contexts=course_278725)	10am to 11am
Wed Dec 7, 2022	 CSC258 LEC0201 Lecture https://q.utoronto.ca/calendar?event_id=563644&include_contexts=course_278725)	11am to 12pm

Date	Details	Due
	<hr/> <p data-bbox="568 147 990 189">include_contexts=course_278725)</p> <hr/> <p data-bbox="568 241 990 430"> CSC258 Lab Session (CSC258H1-F-LEC0201-20229) (https://q.utoronto.ca/calendar?event_id=563734&include_contexts=course_278725)</p> <hr/>	6pm to 9pm