

# CSC369H1 F

## Operating Systems

### Fall 2024 Syllabus

## Course Meetings

### CSC369H1 F

Section	Day & Time	Delivery Mode & Location
LEC0101	Monday, 1:00 PM - 2:00 PM	In Person: FE 230
	Wednesday, 1:00 PM - 2:00 PM	In Person: FE 230
	Friday, 1:00 PM - 2:00 PM	In Person: FE 230
LEC0201	Monday, 3:00 PM - 4:00 PM	In Person: BA 1180
	Wednesday, 3:00 PM - 4:00 PM	In Person: BA 1180
	Friday, 3:00 PM - 4:00 PM	In Person: BA 1180
LEC5101	Wednesday, 6:00 PM - 9:00 PM	In Person: SF 1101

Refer to ACORN for the most up-to-date information about the location of the course meetings.

Tutorials will be in BA2200, BA3175, BA3185 and BA3195, and starts on the second week.  
Tutorials are canceled on the Thanksgiving week and midterm week.

## Course Contacts

**Coordinator:** Kuei Sun

**Email:** [sunk@cs.toronto.edu](mailto:sunk@cs.toronto.edu)

**Office Hours and Location:** Tuesdays 1pm to 3pm, BA4231

**Additional Notes:** You may book additional office hours with me by contacting me directly via email

## Course Overview

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.

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**Prerequisites:** CSC209H1/ CSC209H5/ CSCB09H3; CSC258H1/ CSC258H5/ CSCB58H3

**Exclusions:** CSC369H5, CSCI69H3. NOTE: Students not enrolled in the Computer Science Major or Specialist program at A&S, UTM, or UTSC, or the Data Science Specialist at A&S, are limited to a maximum of 1.5 credits in 300-/400-level CSC/ECE courses.

**Credit Value:** 0.5

## Marking Scheme

Assessment	Percent	Details	Due Date
<b>Assignment 1</b>	3%	Coding assignment focused on review of C programming and the queue abstract data type.	2024-09-22
<b>Assignment 2</b>	9%	Coding assignment with the aim of implementing a cooperative user-level threading library.	2024-10-06
<b>Assignment 3</b>	9%	Coding assignment with the aim of implementing a preemptive user-level threading library.	2024-10-20
<b>Assignment 4</b>	9%	Coding assignment with the aim of implementing a virtual memory system.	2024-11-10
<b>Assignment 4</b>	9%	Coding assignment with the aim of implementing a simple file system.	2024-12-01
<b>Labs</b>	7%	Best 7 out of 9 labs. Every lab is weighted equally (1%).	2024-11-26,2024-11-19,2024-11-12,2024-10-01,2024-10-08,2024-10-15,2024-09-17,2024-09-24,2024-12-01
<b>Lecture Exercises</b>	2%		2024-09-22,2024-09-29,2024-10-06,2024-10-13,2024-10-20,2024-10-27,2024-11-10,2024-11-17,2024-11-24,2024-12-01
<b>Midterm</b>	17%		2024-10-23
<b>In-Person Final Exam</b>	35%		Final Exam Period

A score of 25% or higher on the final exam is required to pass the course.

## Late Assessment Submissions Policy

Late submission will not be accepted. However, students can use up to 2 grace tokens per assignment to gain a one-day extension per token. Each student is granted 8 grace tokens at the start of term. No extension will be given to lecture exercises and weekly labs except for students with accessibility needs.

## **Policies & Statements**

### **Plagiarism Detection Tool**

Normally, students will be required to submit their course essays to the University's plagiarism detection tool for a review of textual similarity and detection of possible plagiarism. In doing so, students will allow their essays to be included as source documents in the tool's reference database, where they will be used solely for the purpose of detecting plagiarism. The terms that apply to the University's use of this tool are described on the Centre for Teaching Support & Innovation web site (<https://uoft.me/pdt-faq>).

### **Late/Missed Assignments**

This item is listed here to remind you to include your late/missed assignment policy; if you have late penalties, you are required to publish them in your syllabus. Please see the [A&S Academic Handbook \(https://www.artsci.utoronto.ca/faculty-staff/teaching/academic-handbook\)](https://www.artsci.utoronto.ca/faculty-staff/teaching/academic-handbook) sections on missed term work (Section 4.7), late term work and extensions (section 4.8), and missed term tests (Section 5.3) for more information.

### **Academic Integrity**

All suspected cases of academic dishonesty will be investigated following procedures outlined in 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). If you have questions or concerns about what constitutes appropriate academic behaviour or appropriate research and citation methods, please reach out to me. Note that you are expected to seek out additional information on academic integrity from me or from other institutional resources. For example, to learn more about how to cite and use source material appropriately and for other writing support, see the U of T writing support website at <http://www.writing.utoronto.ca>. Consult the Code of Behaviour on Academic Matters for a complete outline of the University's policy and expectations. For more information, please see [A&S Student Academic Integrity \(https://www.artsci.utoronto.ca/current/academic-advising-and-support/student-academic-integrity\)](https://www.artsci.utoronto.ca/current/academic-advising-and-support/student-academic-integrity) and the [University of Toronto Website on Academic Integrity \(https://www.academicintegrity.utoronto.ca\)](https://www.academicintegrity.utoronto.ca).

### **Mental Health and Well-Being**

Your mental health is important. Throughout university life, there are many experiences that can impact your mental health and well-being. As a University of Toronto student, you can access free mental health and wellbeing services at Health & Wellness (<https://studentlife.utoronto.ca/departments/health-wellness/>) such as same day counselling, brief

counselling, medical care, skill-building workshops, and drop-in peer support. You can also meet with a Wellness Navigation Advisor who can connect you with other campus and community services and support. Call the mental health clinic at 416-978-8030 ext. 5 to book an appointment or visit <https://uoft.me/mentalhealthcare> to learn about the services available to you.

You can also visit your College Registrar to learn about the resources and supports available: <https://www.artsci.utoronto.ca/current/academic-advising-and-support/college-registrars-offices>

If you're in distress, you can access immediate support: <https://uoft.me/feelingdistressed>

### **Video Recording and Sharing (Download Permissible; Re-use Prohibited)**

This course, including your participation, will be recorded on video and will be available to students in the course for viewing remotely and 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 your instructor.