

**DEPARTMENT OF MATHEMATICAL AND COMPUTATIONAL SCIENCES  
UNIVERSITY OF TORONTO MISSISSAUGA**

**CSC358H5S LEC0102  
Principles of Computer Networks  
Course Outline - Winter 2020**

<b>Class Location &amp; Time</b>	Thu, 01:00 PM - 03:00 PM MN 3190
<b>Instructor</b>	Michael Liut
<b>Office Location</b>	DH-3017
<b>Office Hours</b>	Info on Course Website
<b>E-mail Address</b>	michael.liut@utoronto.ca
<b>Course Web Site</b>	<a href="https://mcs.utm.utoronto.ca/~358/">https://mcs.utm.utoronto.ca/~358/</a>
<b>Co-Instructor</b>	Larry Yueli Zhang
<b>Office Location</b>	DH-3070
<b>E-mail Address</b>	ylzhang@cs.toronto.edu

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### Course Description

Introduction to computer networks and systems programming of networks. Basic understanding of computer networks and network protocols. Network hardware and software, routing, addressing, congestion control, reliable data transfer, and socket programming. [24L,12P]

*Prerequisite:* CSC209H5, CSC258H5, CSC263H5, CSC290H5

*Exclusion:* CSC358H1, CSC458H1 (SCI)

*Distribution Requirement:* SCI

Students who lack a pre/co-requisite can be removed at any time unless they have received an explicit waiver from the department. The waiver form can be downloaded from [here](#).

### Textbooks and Other Materials

James Kurose and Keith Ross. Computer Networking: *A Top-Down Approach (7th ed)*. Addison Wesley, 2017. 9780133594140.

### Assessment and Deadlines

Type	Description	Due Date	Weight
Assignment	Assignment 1	2020-01-31	10%
Assignment	Assignment 2	2020-02-15	10%
Assignment	Assignment 3	2020-03-27	10%
Term Test	In class, covering weeks before the test.	2020-02-27	23%
Final Exam	Comprehensive. Must obtain $\geq 40\%$ to pass the course.	TBA	47%
<b>Total</b>			<b>100%</b>

### More Details for Assessment and Deadlines

**Assignments (30%):** Over the term, you will complete three assignments worth 10% each. You may work in groups of up to 2 students.

**Midterm (23%):** The midterm is scheduled in the lecture on February 27th, which will test the content of the weeks before the test. The length of the midterm test will be 90 minutes.

**Final Exam (47%):** The final exam is comprehensive, 3 hours, and held during the exam period. You must obtain at least 40% on the final exam to pass the course; otherwise, your final course grade will be set no higher than 47%.

## Penalties for Lateness

Late homework submissions are penalized by 1% for every hour of lateness (rounded up, to a maximum of 24 hours). Submissions will no longer be accepted 24-hours past the deadline, except for documented unusual circumstances.

## Procedures and Rules

### Missed Term Work

In general, if work is missed due to an emergency situation, then the weight of the work will be placed on other similar components in the course. For example, a missed term test would add to the weight of the final exam, and a missed assignment would add to the weight of a later assignment. Exact accommodations will be discussed between the student and the instructor.

### Missed Final Exam

Students who cannot write a final examination due to illness or other serious causes must file an [online petition](#) **within 72 hours of the missed examination**. Original supporting documentation must also be submitted to the Office of the Registrar **within 72 hours of the missed exam**. Late petitions will **NOT** be considered. If illness is cited as the reason for a deferred exam request, a U of T Verification of Student Illness or Injury Form must show that you were **examined and diagnosed at the time of illness and on the date of the exam, or by the day after at the latest**. Students must also record their absence on ACORN on the day of the missed exam or by the day after at the latest. Upon approval of a deferred exam request, a non-refundable fee of \$70 is required for each examination approved.

### Academic Integrity

Honesty and fairness are fundamental to the University of Toronto's mission. Plagiarism is a form of academic fraud and is treated very seriously. The work that you submit must be your own and cannot contain anyone else's work or ideas without proper attribution. You are expected to read the handout How not to plagiarize (<http://www.writing.utoronto.ca/advice/using-sources/how-not-to-plagiarize>) and to be familiar with the Code of behaviour on academic matters, which is linked from the UTM calendar under the link Codes and policies.

All of the work you submit must be done by you or your group, and your (or your group's) work must not be submitted by someone else. Plagiarism is academic fraud and is taken very seriously. The department uses software that compares programs for evidence of similar code. Please read the Rules and Regulations from the U of T Calendar (especially the Code of Behaviour on Academic Matters): <http://www.governingcouncil.utoronto.ca/policies/behaveac.htm>

Please do not cheat. It is unpleasant for everyone involved, including us. Here are some general guidelines to help you avoid plagiarism:

- Never look at another student's assignment solution. Never show another student your assignment solution. This applies to all drafts of a solution and to incomplete and even incorrect solutions.
- Keep discussions with other students focused on concepts and examples. Never discuss assignments before the due date with anyone but your Instructor and your Teaching Assistants.
- During the Midterm/Final Examination, once you enter the room, only communicate with the Invigilator(s), Instructor, and/or Teaching Assistant(s).
- Ensure that notes, electronics, and/or communication devices (e.g. cell phone, tablet, computer, etc.) are not on your physical person while in the Midterm/Final Examination room.

All submitted work is subject to verification with plagiarism detection tools.

## Final Exam Information

Duration: 3 hours  
Aids Permitted: 1 page(s) of double-sided Letter (8-1/2 x 11) sheet

## Additional Information

### Tutorials

Tutorials consist of reviews and exercises that will prepare you for the tests as well as the assignments. They are a crucial learning component of this course and are as important to attend as the lectures!

### Website/Online Content

The course website (<https://mcs.utm.utoronto.ca/~358/>) will be used to host all of this course's online content (e.g. slides, exercises, handouts, assignments, etc.).

MarkUs will be used for the collection of student's submissions for assessed work (e.g. assignments).

### **Office Hours**

An open-door policy is in effect. If the door is open, please feel free to enter, even if it just for a chat or a quick question. If it is closed, you may knock. Outside of regular office hours, please contact the instructor via email to schedule alternative meeting times.

### **Discussion Board**

As an alternative to emailing questions, this course will be utilizing a discussion board (link on the course website) for Q&A. Students, Teaching Assistants and the Instructors have the opportunity to answer questions. If you believe that the majority of students would benefit from an answer, please make a discussion board post rather than sending an email.

Please note: if the question is of a personal/private nature, do send an email.

We will also use the boards to post announcements and updates, so **the discussion board is required daily reading**

### **Communications**

It is the student's responsibility to:

- Maintain current contact information with the University, including address, phone numbers, and emergency contact information.
- Use the University provided e-mail address or maintain a valid forwarding e-mail address.
- Regularly check the official University communications channels. Official University communications are considered received if sent by postal mail, by fax, or by e-mail to the student's designated primary e-mail account via their [@utoronto.ca](mailto:@utoronto.ca) alias.
- Accept that forwarded e-mails may be lost and that e-mail is considered received if sent via the student's [@utoronto.ca](mailto:@utoronto.ca) alias.
- Check the UofT/Quercus email, course websites on a regular basis during the term. Further, check the discussion board daily for any course updates/announcements.
- Read and keep current with and the discussions on the discussion board.

Last Date to drop course from Academic Record and GPA is March 8, 2020.