COMP 3670: Computer Networks

Summer 2021

Instructor:	Dr. Sherif Saad	**Time:**	Friday 10:00 – 12:50
Email:	shsaad@uwindsor.ca	**Place:**	Online.

Course Online Resources:

1. https://blackboard.uwindsor.ca
2. https://github.com/ebinsaad/COMP3670

Office Hours: Monday 4:00-6:00 PM | or by appointment.

Main References:

- *Computer Networking: Top-down Approach* 7th ed, by Kurose and Ross, 2016, ISBN-10 : 9780133594140.
- The Lecture Notes, Selected List of Articles, and Tutorials on BlackBoard are the main reference for this course.

Objectives: This is an introductory course to computer networks. It will introduce the students to the basics of computer network communications. In addition, it aims at helping the student to build a theoretical understanding of data communication and network protocols. Finally, prepare the student for advanced courses that cover advanced computer networking concepts and topics. (Restricted to Computer Science students)

Tentative Course Topics:

1. Basics of Computer Networks.
2. The Application Layer.
3. The Transport Layer.
4. The Network Layer.
5. The Link Layer.
6. Wireless and Mobile Network.
7. Basics of Network Security.

Prerequisites: COMP-2120, COMP-2540, COMP-2560 and COMP-2650

Evaluation:

- Problem Set(40%): 2-3 problem sets will be posted on the course website over blackboard. Each problem set will cover theory problems and programming tasks based on the topics covered in the class.
- Labs | Quizzes (30%): between (6-10) labs and quizzes. Those are time based labs and quizzes (30-45 minutes each) during the lecture time.

- Final Exam (30%): This course has a final exam that will test the students' knowledge in all the topics covered in the course .

Important Due Dates:

The last day to add/drop courses	May 21, 2021
The financial drop date	June 6, 2021
Reading week	June 19 - June 27, 2021
The the last day to VW	July 18, 2021

Grades: A numeric (integer-valued) final grade out of 100 will be assigned to each student based on the evaluation scheme given above. Non-integer values will be rounded to the nearest integer. A final grade below 50 will be considered as a failure for undergraduate students and a final grade below 60 will be considered as a failure for graduate students. More information is available at https://lawlibrary.uwindsor.ca/Presto/content/GetDoc.axd?ctID=OTdhY2QzODgtNjhlYi00ZWY0LTg2OTUtNmU5NjEzY2JkMWYx&rID=MjE0&pID=MjMy&attchmnt=False&uSesDM=False&rIdx=MjE0&rCFU=

SET Student Evaluation of Teaching forms will be administered in the last two weeks of classes, in accordance with Senate policy.

Course Policy:

- **Late Submission:**The penalty for late submission will be 25% for each 24- hour period. No submission will be accepted later than 4 days after the deadline. If you foresee a problem completing the coursework in time due to personal circumstances, speak to me about it well in advance.
- **Lecture Attendance:** Students are expected to attend all the lectures.
- **Coursework Mark Appeals:** All marks must be appealed within ten days of the mark being posted.
- **Academic Integrity:** If a student is caught adopting unfair means (e.g. plagiarism), that student will receive zero for the coursework item and face serious consequences including official disciplinary procedures s (see policies below)

Policy on Misconduct: The instructor will put a great deal of effort into helping students to understand and learn the material in the course. However, the instructor will not tolerate any form of cheating. The instructor will report any suspicion of cheating to the Director of the School of Computer Science. If sufficient evidence is available, the Director will begin a formal process according to the University Senate Bylaws. The instructor will not negotiate with students who are accused of cheating but will pass all information to the Director of the School of Computer Science. The following behavior will be regarded as cheating (this list is not exhaustive – more examples in Appendix A, Senate Bylaws 31:

1. Copying assignments or labs or presenting someone else's work as your own.
2. Plagiarism-detection software (e.g Turnitin) will be used for all student assignments in this course.
3. Allowing another student to copy an assignment/project from you and present it as their own work.
4. Copying any coursework item from another student.
5. Communicating with another student in any way during a test or exam.