ALGONQUIN COLLEGE   COURSE SECTION INFORMATION

Information and Communications Technology

CST8109 Network Programming

Computer Programmer

Professor's Name: Wenjuan Jiang   **Course Number:** CST8109

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Phone: 7220   **Academic Year:** 2018-2019

Office: T314   **Term:** Winter

Out of Class Assistance: **Academic Level:** 03
Office hour or by email appointment

Section-Specific Learning Resources

❖ The textbooks for this course are the same as those listed in the approved course outline available on Blackboard.
❖ The resources for this course are the same as those listed in the approved course outline available on Blackboard.
❖ Other related materials will be provided to the student as required.

Evaluation Breakdown

Assessment	Value	CLRs
Weekly Quizzes and/or Assignments (10%) and Midterm test (25%)	35%	2,3,4,5,6,7,8
Final Exam	30%	1,2,3,4,5,6,7,8
Labs	20%	1,2,3,4,5,6,7,8
Skills Exam	15%	3,4,5,8

Learning Schedule (subject to change with notification)

Date	Weekly Theme and Learning Outcomes	Learning Activities	Assessments (%)	Resources	CLRs
Week 1 Jan 7-11	• Course Intro Explore the Network	Software install	None	Chapter 1	1
Week 2 Jan 14-18	The Protocol Stack, Physical Layer	Lecture, Lab 2	Quiz Lab 2	Chapter 3 and 4	1,2,5
Week 3 Jan 21-25	Data Link Layer & Ethernet	Lecture Lab 3	Quiz Lab 3	Chapter 5	1,2,4,5
Week 4 Jan 31-Feb 1	Network Layer	Lecture Lab 4	Quiz Lab 4	Chapter 6	1,2,4
Week 5 Feb 4-8	IPv4	Lecture Lab 5	Quiz Lab 5	Chapter 7	3,4
Week 6 Feb 11-15	IPv6	Lecture Lab 6	Lab 6, Midterm exam I	Chapter 7	3,4
Reading Week					
Week 7 Feb 25-Mar 1	Subnetting and Address Planning	Lecture Lab 7	Lab 7	Chapter 8	3,4
Week 8 Mar 4-8	Transport Layer	Lecture Lab 8	Quiz Lab 8	Chapter 9	2,3,4,5
Week 9 Mar 11-15	Transport Layer and Application Layer	Lecture Lab 9	Quiz Lab 9	Chapter 9 and 10	3,4,6
Week 10 Mar 18-22	Application Layer and Socket programming	Lecture	Lab 10	Chapter 28 from book "Java How to Program"	3,4,6,7
Week 11 Mar 25-29	Socket programming	Lecture Lab 10	Midterm exam II		3,4,6,7
Week 12 Apr 1-5	Socket programming II	Lecture Lab 11	Lab 11		3,4,6,7
Week 13 Apr 8-12	Concurrency I	Lecture Lab 12	Quiz Lab 11 – SBA Practice	Chapter 23 from book "Java How to Program"	
Week 14 Apr 15-18	Concurrency II	Lecture Lab 12	Quiz Skills Exam (SBA)		3,4,6,7
Week 15 Apr 22-26	Final Exam Week				1,2,3,4,5,6,7,8

Other Important Information

❖ Late submission of any assessment will result in a grade of zero for that assessment