CENG460 COMMUNICATION NETWORKS

Term – Spring 2016 (201601)

Instructor
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Office Hours
Days: Mon/Thur or by appointment
Time: 13:00 – 14:20
Location: EOW317

Course Objectives
This course will introduce the fundamental concepts in computer communications networks, to help students understand the principles and practice of designing, building, and operating computer networks, particularly the Internet.

Learning Outcomes
Understand the Internet protocol stack, the main functionalities of each layer, and the design principles

Syllabus
Network overview, PHY layer technologies, link error control, resource management and medium access control, network routing algorithms and protocols, transport layer flow control, error control, and congestion control, Internet applications

A-Section(s): A01 / CRN 20372, A02 / CRN 20373
Days: Mon/Thu
Time: 11:30-12:50
Location: MAC D110

Required Text
Title: Computer Networks
Author: A. Tanenbaum and D. Wetherall
Publisher: Prentice Hall
Year: 2010

Optional Text
Title: Computer Networking: A Top-Down Approach
Author: J. Kurose and K. Ross
Publisher: Addison Wesley
Year: 2012

Assessment:
Assignments: 10%
Due Dates: Jan. 28, Feb. 15, Feb. 29, Mar. 24, Apr. 4
Labs 20%
Mid-term 30%
Date: Mar. 3
Final Exam 40%

Note:
Failure to pass the final exam will result in a failing grade for the course.

The final grade obtained from the above marking scheme for the purpose of GPA calculation will be based on the percentage-to-grade point conversion table as listed in the current Undergraduate Calendar.

There will be no supplemental examination for this course.
Note to Students:
Students who have issues with the conduct of the course should discuss them with the instructor first. If these discussions do not resolve the issue, then students should feel free to contact the Chair of the Department by email or the Chair's Secretary to set up an appointment.

Accommodation of Religious Observance
http://web.uvic.ca/calendar/GI/GUPo.html

Policy on Inclusivity and Diversity
http://web.uvic.ca/calendar/GI/GUPo.html

Standards of Professional Behaviour
You are advised to read the Faculty of Engineering document Standards for Professional Behaviour, which contains important information regarding conduct in courses, labs, and in the general use of facilities.
https://www.uvic.ca/engineering/assets/docs/professional-behaviour.pdf

Cheating, plagiarism and other forms of academic fraud are taken very seriously by both the University and the Department. You should consult the entry in the current Undergraduate Calendar for the UVic policy on academic integrity.
http://web.uvic.ca/calendar/FACS/UnIn/UARe/PoAcI.html

Course Lecture Notes
Unless otherwise noted, all course materials supplied to students in this course have been prepared by the instructor and are intended for use in this course only. These materials are NOT to be re-circulated digitally, whether by email or by uploading or copying to websites, or to others not enrolled in this course. Violation of this policy may in some cases constitute a breach of academic integrity as defined in the UVic Calendar.