



COURSE OUTLINE
ELEC 619B – Wireless Networks
Spring 2007

Instructor:

Dr. Lin Cai
Phone: 721-8691
E-mail: cai@uvic.ca

Office Hours:

Days: Tues. and Wed.
Time: 2:30 - 4:00 p.m.
Location: EOW 317

Lectures:

Section(s): S01
Days: Tues. and Wed
Time: 10:30 a.m. – 12:00 p.m.
Location: ECS 128

Reference:

Title: Broadband Integrated Networks
Author: M. Schwartz
Publisher: Prentice Hall PTR
Year: 1996

Assessment:

Assignments:	20%
Project	30%
Presentation	10%
Final	40%

Due dates for assignments:

Assignment 1 January 26
Assignment 2 February 14
Assignment 3 March 16
Assignment 4 March 30

The final grade obtained from the above marking scheme will be based on the following percentage-to-grade point conversion:

90 ≤ A+ ≤ 100	
85 ≤ A < 90	
80 ≤ A- < 85	
75 ≤ B+ < 80	
70 ≤ B < 75	
65 ≤ B- < 70	
60 ≤ C+ < 65	
55 ≤ C < 60	
50 ≤ D < 55	
35 ≤ E < 50	Fail, conditional supplemental exam* - <u>for undergraduate courses only.</u>
F < 35	Fail, no supplemental exam.
N	Fail, did not write examination or otherwise complete course requirements by the end of the term or session; no supplemental exam.

* The rules for supplemental examinations are found on page 77 of the current 2006/07 Undergraduate Calendar.

For courses taken in	Application Deadline for Supplemental Exam	Supplemental Exam Date
Second term of Winter Session (Jan – Apr)	Following June 30	First week of following September
Summer session (May- Aug)	Following October 31	First week of following January
First term of Winter Session (Sept – Dec)	Following February 28	First week of following May

Deferred exams will be written at the start of the student's next academic term; i.e., approximately 4 months following the deferral of the exam.

Syllabus

Resource management and protocol design for transporting data and multimedia traffic in wireless communication networks. Topics include multimedia traffic modeling, wireless channel modeling, radio resource management, mobility management, and end-to-end flow and congestion control. The goal of the course is to introduce the fundamental concepts, tools and methodologies in wireless networks, and how to apply them to solve practical and emerging problems. Students are encouraged to investigate novel ideas in the area via course projects.

Posting of Grades

The Department of Electrical and Computer Engineering will no longer post grades. Students may access their grades via the Internet at <http://www.uvic.ca/reco/> and selecting WebView (Student Records On-Line).

Guidelines on Religious Observances

1. Where classes or examinations are scheduled on the holy days of a religion, students may notify their instructors, at least two weeks in advance, of their intention to observe the holy day(s) by absenting themselves from classes or examinations.
2. Instructors will provide reasonable opportunities for such students to make up work or missed examinations.
3. Students will cooperate by accepting the provision of reasonable opportunities for making up work or missed examinations.
4. The University Secretary's Office will distribute a multi-faith calendar to each academic unit annually.

Commitment to Inclusivity and Diversity

The University of Victoria is committed to promoting, providing and protecting a positive, supportive and safe learning and working environment for all its members.

Standards of Professional Behaviour

You are advised to read the Faculty of Engineering document Standards for Professional Behaviour at <http://www.engr.uvic.ca/policy/professional-behaviour.html> which contains important information regarding conduct in courses, labs, and in the general use of facilities.

Cheating, plagiarism and other forms of academic fraud are taken very seriously by both the University and the Department. You should consult <http://web.uvic.ca/calendar2006/FACS/UnIn/UARe/PoAcI.html> for the UVic policy on academic integrity.