



COURSE OUTLINE
ELEC 310 – Digital Signal Processing
Spring 2010

Instructor:

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Office Hours:

Monday Wednesday 2:00-3:00 pm
Location: ECS 631

Lectures:

Section(s):
A01/CRN 21061
A02/CRN 21062
Days: TWF
Time: 10:30 – 11:20 am
Location: ECS 125

Required Text:

Title: Discrete-Time Signal Processing, Third Edition
Author: Allan Oppenheim and R Schafer
Publisher: Prentice Hall
Year: 2010

Assessment:

Assignments	15%
Quiz	10% Date (subject to change): Jan 27
Midterm	30% Date (subject to change): March 2 nd and 3 rd
Final exam	45%

Due dates for assignments:

There will be five textbook-based assignments worth 3% each, which must be submitted on the due date. The due dates will be available on the course web site www.ece.uvic.ca/~elec310 at the same time with the posting of the assignments. Due dates must be respected. Late hand-ins will not be accepted.

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
	F <	35
	N	

Fail, conditional supplemental exam* - for undergraduate courses only.

Fail, no supplemental exam.

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 79 of the current 2007/08 Undergraduate Calendar.

Term in which E Grade was obtained:	Application Deadline for Supplemental Exam	Supplemental Exam Date
First term of Winter Session (Sept – Dec)	Following February 28	First week of following May
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

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

Syllabus

1. Discrete-Time Signals and Systems
2. The discrete-time Fourier transform
3. The Z-transform
4. Sampling
5. Transform analysis of LTI systems
6. Structures for DT systems
7. Filter design techniques

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.php> 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/calendar2009/FACS/UnIn/UARe/PoAcI.html> for the UVic policy on academic integrity.