



COURSE OUTLINE
SENG 460 – Practice of Information Security
Spring 2013

Instructor:

Dr. Henry Lee
Phone:
E-mail: henrylee@ece.uvic.ca

Office Hours:

Days: Fridays
Time: 11:00am – noon
Location: EOW 419

Lectures:

A-sections: A01 / CRN 20297 A02 / CRN 20136
Days: Fridays
Time: 1:30pm – 4:20pm
Location: Engineering and Computer Science Building (ECS) 130

Required Text:

Title: Practice of Information Security
Author: Henry Lee *et al.*, Information Security Branch, BC Ministry of Citizens' Services
Available at the Bookstore
Year: 2011

References:

References and recommended further reading are provided in the text in every chapter.
Lecture material for each topic will be available after each lecture at
<http://www.ece.uvic.ca/~henrylee/seng460-13.html>.

Assessment:

Assignments:	30%	
Mid-term	20%	Date: Friday, Feb. 15 th (1:30 – 3:30 p.m.)
Final	50%	Date: April (TBD)

Note: To complete the course, it is required to successfully complete all assignments. Each lecture contains a case study chosen from examples in the field. In the case study, a problem is described and students are asked to create solutions to the problem either cooperatively or individually. The result of the case study should be summarized individually and submitted to Dr. Lee as an assignment. *It is encouraged to develop the case study further and incorporate further findings into the assignment.*

Due dates for assignments:

Assignments will be due one week after they are assigned. All assignment deliverables must be submitted to Dr. Lee's ECE Dept. mailbox in EOW 448 by 4:30 p.m. on the due date (next Friday after each lecture). A 1% deduction in the overall assignment mark will be made for each day a given deliverable is late.

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

Passing Grades	Grade Point Value	Percentage for Instructor Use Only	
A+	9	90-100	
A	8	85-89	
A-	7	80-84	
B+	6	77-79	
B	5	73-76	
B-	4	70-72	
C+	3	65-69	
C	2	60-64	
D	1	50-59	
Failing Grades	Grade Point Value	Percentage for Instructor Use Only	Notes
E	0	35-49	Fail, conditional supplemental exam.
F	0	0-34	Fail, no supplemental exam.
N	0	0-49	Did not write examination, Lab or otherwise complete course requirements by the end of the term or session; no supplemental exam.

The rules for supplemental examinations are found on pages 81 of the current 2012/13 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.

Course Description

1. Course Objectives

This course is designed to address important issues to implement security in the corporate environment and deals with advanced topics in information security management. The course is aimed to provide practical understanding of information security based on the theory and practice. It is assumed that students have fundamental knowledge of information security. The course consists of 11 topics in information security and is delivered by 11 security practitioners from industry and government.

2. Learning Outcomes

Students will learn the foundational knowledge of the information security domains that are commonly classified by major information security personnel's associations. It will bring a comprehensive view of information security and students will be familiar with the corporate information security requirements and problem solving approaches.

3. Syllabus

Enterprise Security Architecture. Information Security Policy and International Standards. Security Threat and Risk Assessment. Monitoring. Investigations. Application Security. Ethical Hacking. Privacy. Business Continuity Management. Physical and Environmental Security. Information Security as a Career.

Guidelines on Religious Observances

See <http://web.uvic.ca/calendar2012/GI/GUPo.html>

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. Plagiarism detection software may be used to aid the instructor and/or teaching assistants in the review and grading of some or all of the work you submit. You should consult <http://web.uvic.ca/calendar2012/FACS/UnIn/UARe/PoAcI.html> for the UVic policy on academic integrity.