



# Department of Electrical and Computer Engineering

## COURSE OUTLINE

### SENG 460 - Practice of Information Security and Privacy

Term - SPRING 2015 (201501)

#### Instructor

Dr. Yanguo (Michael) Liu

Phone: 778-997-9902

E-mail: [mliu@uvic.ca](mailto:mliu@uvic.ca)

#### Office Hours

Days: Friday  
(After Class Or By appointment)

Time: 6 PM – 7 PM

Location: EOW419

#### Lectures

A-Section(s): A01 / CRN 22703

Days: Friday

Time(s): 15:00 PM-18:00PM

Location: ECS108

#### Labs

Location: ELW

B-Section(s): A02 / CRN 22704

Days: Friday

Time: 15:00 PM-18:00PM

Location: ECS108

#### Required Text

Title: CISSP Cert Guide

Author: Troy McMillan, Robin Abernathy

Publisher: Pearson IT Certification

Year: 2013

#### Optional Text

N/A

#### References:

Lecture notes and article reprints available on CourseSpace

<http://coursespaces.uvic.ca>

#### Assessment:

Quizzes: 30%

Mid-term 20%

Final 50%

Date: Friday, Feb 27<sup>th</sup>, 2015 (15:00 PM – 17:00 PM)

**Note:** To complete the course, it is required to successfully complete all online quizzes. Each lecture contains an online quiz in the field.

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	Description
E	0	0 - 49	Fail, *Conditional supplemental exam. (For undergraduate courses only)
F	0	0 – 49	Fail, no supplemental.
N	0	0 – 49	Did not write examination, Lab or otherwise complete course requirements by the end of term or session; no supplemental exam.

*\*Assignment of E grade will be at the discretion of the Course Instructor.*

The rules for supplemental examinations are found on page 80 of the current 2014/15 Undergraduate Calendar.

Term in which E Grade Was Obtained	Application Deadline for Supplemental Exam	Supplemental Exam Date
First term of Winter Session (Sept – Dec)	February 28 in the following term	First week of following May
Second term of Winter Session (Jan – Apr)	June 30 in the following term	First week of following September
Summer Session (May – Aug)	October 31 in the following term	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 10 topics well defined in information security industry.

### 2. Learning Outcomes

- Students will learn the common knowledge of the information security domains classified by major information security associations
- Students will understand information security requirements and practise in corporate environment
- Students will be able to apply information security theories, models and techniques in solving practical information security problems

### 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.

## 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 ECE Chair by email or the ECE Chair's Secretary [eceasst@uvic.ca](mailto:eceasst@uvic.ca) to set up an appointment.*

## Accommodation of Religious Observance

See <http://web.uvic.ca/calendar2014/GI/GUPo.html>

## Policy on Inclusivity and Diversity

See <http://web.uvic.ca/calendar2014/GI/GUPo.html>

## Standards of Professional Behaviour

You are advised to read the Faculty of Engineering document Standards for Professional Behaviour at <http://www.uvic.ca/engineering/assets/docs/professional-behaviour.pdf>

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/calendar2014/FACS/UnIn/UARe/PoAcl.html> for the UVic policy on academic integrity.