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### ELEC 574 - Practice of Information Security and Privacy

**Term – SPRING 2016 (201601)**

#### **Instructor**

Dr. Yanguo (Michael) Liu

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#### **Office Hours**

Days: Friday  
(After Class Or By appointment)

Time: 5:30 PM – 6:30 PM

Location: EOW419

#### **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.

#### **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.

#### **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.

**A-Section(s):** A01 / CRN 21194

Days: Friday

Time: 2:30 PM – 5:20 PM

Location: Cornett Building A121

**A02/CRN 21195**

Days: Friday

Time: 2:30 PM – 5:20 PM

Location: Cornett Building A121

**Required Text**

Title: Information Security: Principles and Practices, 2/E  
Author: Mark S. Merkow & Jim Breithaupt  
Publisher: Pearson IT Certification  
Year: 2014

**Optional Text**

N/A

**References:**

Lecture notes and article reprints available on CourseSpace

<http://coursespaces.uvic.ca>

**Assessment:**

Quizzes:	20%
Project	10%
Mid-term	20%
Final	50%

Date: Friday, Feb 26<sup>th</sup>, 2016 (2:30 PM – 4:30 PM)

**Note:**

To complete the course, it is required to successfully complete all online quizzes and the project. Each lecture contains an online quiz in the field. Failure to complete all requirements will result in a grade of N being awarded for the course. 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 Graduate Calendar.

<http://web.uvic.ca/calendar/GRAD/FARe/Grad.html>

**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.

<http://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 Graduate Calendar for the UVic policy on academic integrity.

<http://web.uvic.ca/calendar/FACS/UnIn/UARe/PoAcl.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.