ELEC 592B – Professional Career Development II

(Master of Engineering in Telecommunications and Information Security Program)

Term – Summer 2018 (201805)

Career Educator

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https://learninginmotion.uvic.ca/home.htm
(Appointments/Career)
Location: ECS-210

Instructor

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Location: EOW-409

Course Objectives

Students will learn how to:

- Apply career management to leverage their engineering education into career success upon graduation.
- Strategize for future career success by learning how to set realistic goals and plan/undertake the required professional development in order to attain those goals.
- Gain an awareness of the labour market conditions (both locally and internationally) in order to successfully contribute to the telecommunications/information security field.
- Apply the fundamentals of project management including risk management, time management, critical thinking.
- Appreciate and practise engineering standards and ethics, and sustainability.
- Understand entrepreneurship and new venture creation process.

Learning Outcomes

Students will be able to:

- Understand the importance of labour market awareness in strategizing for career success (domestic & international) in today's global market.
- Analyze sector, industry, and occupational information for the purpose of planning for future professional development.
- Strategize a successful transition from their academic achievements into an Engineer-In-Training (EIT) role and ultimately their Professional Engineer (PEng) career.
- Utilize their professional association (e.g., EGBC in British Columbia) to build a professional network, a professional reputation, and plan ongoing professional development.
- Participate in a team environment respecting diversity and equity in the workplace.

- Communicate professionally and effectively via verbal presentations and written technical reports.

Syllabus

Engineering standards and ethics. Development of critical thinking. Team presentation and technical writing skills. Risk management. Diversity and Equity. Sustainability. Entrepreneurship and new venture creation. Career planning.

A-Section(s):	A01 / CRN 30325
Days:	Thursdays
Time:	16:00 – 16:50
Location:	ECS-130

Required/Optional Readings/Text/References:

A number of academic papers, articles, books, and web resources to be read that allow you contribute to the weekly discussions on the topics in this course – these will be provided through CourseSpaces or in class.

Assessment:

Reflective Questions (Individuals: 5 X 2%)	10%	Due: May 17/31; Jun 14/28; Jul 12
Capstone Project Interim Presentation (Teams of 5)	10%	Date: TBA (Last week of May)
Capstone Project interim Report (Teams of 5)	15%	Due: Interim presentation + 2 days
Capstone Project Final Presentation (Teams of 5)	20%	Date: TBA (Last week of July)
Capstone Project Final Report (Teams of 5)	30%	Due: Final presentation + 2 days
ePortfolio (Individuals: 1 X 15%)	15%	Due: August 3, 2018

<u>**Note**</u>: Failure to complete all course requirements will result in a grade of N being awarded 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.

https://web.uvic.ca/calendar2018-05/grad/academic-regulations/grading.html

Reflective Questions:

Reflecting on your experiences takes time, but from a learning perspective, it can help you think about where you've have been and where you want to go. Reflection can help you assess situations, make better decisions, and gain a deeper understanding of the consequences of your actions. The **bi-weekly reflective questions** will ask you to reflect on the learning you have experienced and explain briefly how you will integrate this into your existing knowledge base. Questions will be posted on http://coursespaces.uvic.ca and answers will be submitted online.

Capstone Project Presentations:

Teams will give an Interim presentation on the progress and a final presentation of their capstone project (IT Security Standard at UVic).

Capstone Project Reports:

Teams will submit an Interim report on the progress and a final report of their capstone project (IT Security Standard at UVic), two days after the respective presentations.

ePortfolio:
While you created a portfolio in the first semester, you now have a better understanding of the professional you are becoming. This assignment requires that you make your portfolio more professional and record the changes, additions, improvements you have made.

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 Assistant to set up an appointment.

Accommodation of Religious Observance:
https://web.uvic.ca/calendar2018-05/grad/registration/Registration.1.16.html

Policy on Inclusivity and Diversity:
https://web.uvic.ca/calendar2018-05/general/policies.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.
https://web.uvic.ca/calendar2018-05/grad/academic-regulations/academic-integrity.html

Equality: This course aims to provide equal opportunities and access for all students to enjoy the benefits and privileges of the class and its curriculum and to meet the syllabus requirements. Reasonable and appropriate accommodation will be made available to students with documented disabilities (physical, mental, learning) in order to give them the opportunity to successfully meet the essential requirements of the course. The accommodation will not alter academic standards or learning outcomes, although the student may be allowed to demonstrate knowledge and skills in a different way. It is not necessary for you to reveal your disability and/or confidential medical information to the course instructor. If you believe that you may require accommodation, the course instructor can provide you with information about confidential resources on campus that can assist you in arranging for appropriate accommodation. Alternatively, you may want to contact the Resource Centre for Students with a Disability located in the Campus Services Building.
The University of Victoria is committed to promoting, providing, and protecting a positive, and supportive and safe learning and working environment for all its members.

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.