EXPANDED COURSE DESCRIPTION
ENGINEERING
Lassonde School of Engineering
Earth and Space Science and Engineering
LE / ENG 3000 3.0 SECTION E
PROFESSIONAL ENGINEERING PRACTICE
FALL 2017 / WINTER 2018
Last Modified Date: 09/05/2017

COURSE CALENDAR DESCRIPTION

An introduction to the legal and ethical frameworks of the engineering profession, preparing students for the Professional Practice Examination required for certification as a professional engineer. Also covered are associated professional issues such as entrepreneurship, intellectual property and patents. Three lecture hours per week. One term. Three credits. Prerequisites: Second-year engineering courses (stream specific), including LE/ENG 2001 3.00 and LE/ENG 1000 6.00. Prior to Summer 2013: Prerequisites: Second-year engineering courses (stream specific), including SC/ENG 2001 3.00 (or SC/ENG 2000 6.0 prior to 2009) and SC/ENG 1000 6.00. Course credit exclusions: LE/SC/CSE 3000 3.00, LE/SC/CSE 3001 1.00, LE/SC/CSE 3002 1.00, SC/PHYS 3001 1.00, LE/SC/EATS 3001 1.00.

INSTRUCTOR(S)

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<tr>
<th>Name</th>
<th>Section / Format / Term</th>
<th>Contact Email</th>
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<tr>
<td>Newland, Franz T.</td>
<td>Sec. E / LECT / F</td>
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TOPICS AND CONCEPTS

This course:
- covers key law and ethics material for the PEO Professional Practice Exams but (maybe more importantly) gets students to think about their personal ethics as well
- covers key responsibilities for all Ontarians with regards to Human Rights and Accessibility (OHRC, AODA, …) but also points to ways to recognize and accept individual and cultural diversity
- provides some starting points to support continuing education beyond the end of students’ formal education to support life-long learning, and ongoing competence and relevance in the workplace
- furthers effective communication skills.

LIST OF LEARNING OUTCOMES AND EXAMPLES OF

Brief list of specific learning outcomes of the course:
1. To recognize the roles and responsibilities of a Professional Engineer
2. To practice engineering according of the Professional Engineers Act and professional ethics
3. To explain legal principles related to engineering practice
4. To identify one’s learning need(s) and knowledge gaps
5. To present effectively (or, to communicate effectively), in a professional matter, technical AND non-technical contents to wide variety of audience.
6. To recognize and accept individual and cultural diversity
ADDITIONAL INFORMATION

ACADEMIC INTEGRITY LINKS
- Senate Policy on Academic Honesty - http://secretariat-policies.info.yorku.ca/policies/academic-honesty-senate-policy-on/
- Academic Integrity - http://lassonde.yorku.ca/academic-integrity

STUDENT LINKS
- Student Rights and Responsibilities - http://oscr.students.uit.yorku.ca/student-conduct
- Religious Observance - https://w2prod.sis.yorku.ca/Apps/WebObjects/cdm.woa/wa/regobs
- Counselling and Disability Services - http://cds.info.yorku.ca/

Many courses utilize Moodle, York University's course website system. If your course is using Moodle, click here to access it.
Moodle @ York University