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 2019 / WINTER 2020

Last Modified Date: 08/07/2019

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. Prerequisites: LE/ENG 2001 3.00. Course credit exclusions: LE/EECS 3000 3.00

INSTRUCTOR(S)

<table>
<thead>
<tr>
<th>Name</th>
<th>Section / Format / Term</th>
<th>Contact Email</th>
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<td>Newland, Franz T.</td>
<td>Sec. E / LECT / F</td>
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ADDITIONAL INFORMATION

COURSE LEARNING OBJECTIVES
This course:
- Covers key law and ethics material for the PEO Professional Practice Exams but (maybe more importantly) gets you to think about your 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 your formal education to support life-long learning, and ongoing competence and relevance in the workplace
- Furthers your effective communication skills.

COURSE LEARNING OUTCOMES
- To recognize the roles and responsibilities of a Professional Engineer
- To practice engineering according of the Professional Engineers Act and professional ethics
- To explain legal principles related to engineering practice
- To identify one's learning need(s) and knowledge gaps
- To present effectively (or, to communicate effectively), in a professional matter, technical AND non-technical contents to wide variety of audience.
- To recognize and accept individual and cultural diversity

COURSE TEXT/READINGS
Recommended texts:

Additional readings may be assigned or recommended during the course.

COURSE EVALUATION
The final grade for the course will be based on the following items weighted as indicated:
• Assignment – life-long learning 1st version: 5%, 2nd version: 10%
• Mid-term exam: 15%
• Human rights exam: 15%
• Case study video: 7.5%
• Case study peer review: 7.5%
• Final exam: 40%

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
• Academic Accommodation for Students with Disabilities - http://secretariat-policies.info.yorku.ca/policies/academic-accommodation-for-students-with-disabilities-policy/
• Student Accessibility Services (SAS) - https://accessibility.students.yorku.ca/
• York University’s Policies on Sexual Violence - http://secretariat-policies.info.yorku.ca/policies/sexual-violence-policy-on/
• York University’s Policies on Gender/LGBTQ*/Positive Space - http://rights.info.yorku.ca/lgbtq/

LAND ACKNOWLEDGEMENT
• We acknowledge our presence on the traditional territory of many Indigenous Nations. The area known as Tkaronto has been care taken by the Anishinabek Nation, the Haudenosaunee Confederacy, the Huron-Wendat, and the Métis. It is now home to many Indigenous Peoples. We acknowledge the current treaty holders, the Mississaugas of the New Credit First Nation. This territory is subject of the Dish With One Spoon Wampum Belt Covenant, an agreement to peaceably share and care for the Great Lakes region.
• The Indigenous Framework for York University: A Guide to Action can be found here: http://indigenous.info.yorku.ca/
• Meaning of a land acknowledgement: http://healthydebate.ca/opinions/indigenous-land-acknowledgements

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