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)

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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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ADDITIONAL INFORMATION

Course Website
https://moodle.yorku.ca/moodle/course/view.php?id=178382

Optional Course Materials

Course Description
An introduction to the legal and ethical frameworks of the engineering profession, preparing students for the National Professional Practice Examination required for certification as a professional engineer. This course:
- covers key law and ethics material for the PEO National 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 (CLOs)
Upon the completion of this course, students are expected to learn and retain the following concepts and skills:
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

**Student Expectations**

The ENG3000 class this Fall will run with virtual classes at the planned class time. As with previous years, students will be expected to watch the short videos posted before class, and will have the opportunity to engage with the video material during the virtual synchronous class times, when we will take up questions and review the content, looking at how to apply it.

Additional materials (videos, reading) will be available on the moodle page, to supplement the short weekly videos and class time.

If there are technical issues during the class, nominally all classes will be recorded for watching afterwards (however the class time is primarily interactive, so participation is far better than watching after the event). If my internet connection or computer fails during class, the room will nominally remain active until I re-connect. If you get kicked out of the zoom room before the end of class, do try reconnecting – I will connect via a different device as quickly as possible in the case of a technical issue on my end.

The best way to contact me is through office hours or via email. If you email me and do not get a reply within 2 business days, do re-contact me. My inbox can fill quickly, so I may miss your email, but have no problem with you sending a repeat email.

**Examinations**

There will be one midterm examination, and one final examination at the end of the winter term. The date, time, and location of the exam will be announced through the course’s Moodle site. Any permitted materials will be announced prior to the exam date.

**Online Lecture Notes & e-Learning Contents**

Lecture materials will be posted on the COURSE site within Moodle. Students are encouraged to visit this page as often as possible for latest updates. Whilst materials have been developed with accessibility in mind, there may be specific accessibility needs that have not been addressed with the materials. Please contact me for any difficulty experienced in accessing the recommended e-Learning materials.

**Evaluation Scheme**

Individual Assignment – life-long learning assignment: 5% v1, 10% v2

Individual mid-term exam (based on NPPE): 15%

Individual Human rights reflection (time-constrained assessment): 15%

Group Case study video: 15%

Individual Peer review: 10%

Individual Final exam (based on NPPE): 30%

Note – TurnItIn will be available for this course – you will be able to submit your reports to TurnItIn to determine if you have cited material correctly. I will have access to the TurnItIn reports, after marking your work, to check for any plagiarism issues. If you wish to opt out of TurnItIn per York’s “text matching” guidelines, do let me know as soon as possible.

*Note – this evaluation, available at the start of the semester, complies with the Senate Grading Scheme and Feedback Policy, which stipulates that (a) the grading scheme (i.e. kinds and weights of assignments, essays, exams, etc.) be announced, and be available in writing, within the first two weeks of class, and that, (b) under normal circumstances, graded feedback worth at least 15% of the final grade for Fall, Winter or Summer Term be received by students in all courses prior to the final withdrawal date from a course without receiving a grade (see the policy for exceptions to this aspect of the policy - http://secretariat-policies.info.yorku.ca/policies/grading-scheme-and-feedback-policy/)*
Reminders

If you are using a personal e-mail address, please identify yourself as a student registered in this course by providing your student number in your signature block. You are responsible for ensuring you are receiving official course information in an efficient and timely manner.

All students are expected to familiarize themselves with the following information:

- General information (http://calendars.registrar.yorku.ca/2013-2014/policies/index.htm)
- Senate policy on academic honesty and the academic integrity website (http://www.yorku.ca/secretariat/policies/document.php?document=69) and (http://www.yorku.ca/tutorial/academic_integrity/)
- Academic Integrity - http://lassonde.yorku.ca/academic-integrity
- Copyright - Course materials are designed for use only in the course. Copying this material for distribution (e.g. uploading material to a commercial third-party website) may lead to a charge of misconduct under York’s Code of Student Rights and Responsibilities and the Senate Policy on Academic Honesty and/or legal consequences if copyright law has been violated http://www.copyright.info.yorku.ca.
- Ethics review process for research involving human participants (http://www.yorku.ca/research/support/ethics/)
- Course requirement accommodation for students with disabilities, including physical, medical, systemic, learning and psychiatric disabilities (http://www.yorku.ca/secretariat/policies/document.php?document=68)

Additional resources related to add/drop courses, student life, academic resources, campus services, …etc. can be found at this link: http://www.yorku.ca/yorkweb/cs.htm

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/
- 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