APS150
Ethics in Engineering

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Course materials:
All course materials will available on-line, there is no textbook. The materials consist of:

1. the Student Code of Conduct
2. The Professional Engineers Ontario Code of Ethics:
   http://peo.on.ca/index.php?ci_id=1815&la_id=1
3. The definition of Professional Engineering:
   http://peo.on.ca/index.php?ci_id=1813&la_id=1
4. Several on-line lectures, which will be posted on the Blackboard as they are produced
5. Case studies demonstrating ethical principles will also be posted on the Blackboard
6. An Introductory Lecture (8 am to 9 am, September 10, Convocation Hall)
7. A final Lecture (8 am to 9 am, October 29, Convocation Hall)
8. One tutorial (delivered 3 times for 1/3rd of the class at a time from 6 to 7 pm in BA1160 on Sept 30, Oct 7 and Oct 14. Watch announcements for lists of students in each session)

On reserve in the library for further reading:

Marking Scheme:
Final Exam – 100%
The final exam for APS150 is closed book. It is a multiple-choice exam. No aids are allowed except a dictionary, which may be hard copy or electronic, but which must not have internet access.

Final Exam:
Date: November 4, 2014
Time: 12:00pm to 2:00 pm
Location: EX100, 200, 300, 310, 320 and SF3201, 3202
The exam rooms will be assigned to individuals as the exam approaches
A grade of 70% is required to pass. A pass is required for all engineering students as a condition of graduation. If you do not pass, a make up-exam will be scheduled during the final exam period. If you do not achieve a grade of 70% or higher in the make-up exam, you will be required to repeat the course.

Course Outline:
There are a total of 5 learning modules:

1. Introduction, Ethics and the Law, PEO Code of Ethics
2. Professional Conduct and Intellectual Property
3. Health, Safety and the Environment
4. University Code of Conduct
5. Plagiarism
These learning modules will be posted as podcast lectures on the Blackboard. You should watch them and make notes, review your notes and discuss them with other classmates as part of your exam preparation. There are no old exams available to provide trial questions, but you are encouraged to quiz your classmates and group study is encouraged.

**Learning Objectives**  
At the end of this course, you should be able to:

- explain in your own words, and using your own examples, what ethics is;
- explain common law principles;
- describe the types of tort law;
- explain the meaning of a Profession;
- explain the Duty of Care principle;
- discuss the Engineer’s Code of Ethics;
- explain the concept of Professional Misconduct;
- explain the concepts of harassment and negligence;
- explain the ethical use of Intellectual Property;
- explain the ethics related to safety, health and the environment;
- demonstrate comprehension of the University of Toronto Code of Conduct;
- explain the concept of plagiarism
- identify plagiarism and strategies to prevent plagiarism from occurring

You should review the code of ethics, as well as the case studies on the application of the code in practice.

You should read and understand the Academic Code of Conduct. Case studies will be provided for review to demonstrate the application of the code in practice.

**Specific Outcomes**  
You should have an understanding of what ethics means, and how it is applied in everyday life, as well as specific issues that relate to life within the university and more broadly within the profession. You should be able to understand and identify ethical dilemmas and make decisions on how to address them that will guide you throughout your academic and professional career to avoid damage to your reputation or that of your co-workers, company or profession. You should be well prepared to build your reputation as an honest and ethical professional, which is increasingly valuable as your career progresses.