

ENGG*1070 Occupational Health and Safety

Instructors

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Semester – January 7th to April 5th
Class Time – Wednesdays and Fridays, 2:30 pm – 3:20 pm
Course Location: MacKinnon Room 029
Contact – Chris McNeill, E-mail cmcneill@uoguelph.ca
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Course Description and Delivery

This course presents the legal implications of occupational health and safety as expressed in the Occupational Health and Safety Act, and exposes students to methodologies designed to ensure compliance with the Act. The course stresses safety initiatives and deals with specific safety issues such as noise levels, biosafety, hazardous waste management, safety in the workplace, radiation safety, occupational hygiene, risk assessments and industrial safety.

This course will consist of two-50 minute classroom sessions per week. In-class time will be devoted to lectures, discussion of reading materials and video materials. Readings and any additional background material will be announced in advance and available on course link.

Required Textbooks

None

Course Structure

Session	Date	Topic	Instructor	Action Items
1	09 Jan	Welcome Occupational Health and Safety Legislation in Ontario & Canada Internal Responsibility System and Due Diligence	C. McNeill	
2	11 Jan	Occupational Health and Safety Act - Duties of Employers and other Persons - Violence and Harassment - Right to Refuse or Stop Work - Enforcement and Penalties - Joint Health and Safety Committees	C. Cooper	
3	16 Jan	Hazard Identification	C. Cooper	
4	18 Jan	Hazards in the Workplace	C. Cooper	Assignment #1

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				unlocked
5	23 Jan	Machine Safety -1 (Hazards, Guarding)	B. Pandher	
6	25 Jan	Machine Safety -2 (LOTO, PSRs)	B. Pandher	Assignment #1 locked
7	30 Jan	Asbestos	C. McNeill	
8	01 Feb	Confined Spaces & Restricted Spaces	C. McNeill	
9	06 Feb	Working at Heights	C. McNeill	
10	08 Feb	Hazard Identification and Assessment – In-class discussion and assignment #2	C. McNeill	Assignment #2 unlocked
11	13 Feb	Chemical Safety and WHMIS	A. Zachertowska	
12	15 Feb	General Laboratory Safety	A. Zachertowska	Assignment #2 locked
	20 Feb	No Class		
	22 Feb	No Class		
13	27 Feb	Hazardous Waste Management	A. Zachertowska	
14	01 Mar	BioSafety	J. Minogue	
15	06 Mar	BioSafety	J. Minogue	
16	08 Mar	Radiation Safety	D. Barillari	
17	13 Mar	Radiation Safety	D. Barillari	
18	15 Mar	Hazard Identification and Assessment – In-class discussion and assignment #3	A. Zachertowska	Assignment #3 unlocked
19	20 Mar	Noise	B. Pandher	
20	22 Mar	Indoor Air Quality	B. Pandher	Assignment #3 locked
21	27 Mar	Personal Protective Equipment	B. Pandher	
	29 Mar	No Class-Good Friday		
22	03 Apr	Prevention through design	B. Pandher	
23	05 Apr	Hazard Identification and Assessment – In-class discussion and assignment #4	B. Pandher	Assignment #4 unlocked until April 12

Assessment Grade (% of course)

Assignments

A total of 4 assignments will be introduced throughout the course (refer to course structure for dates). They will consist of online assignments and will be due, based on the **schedule above**, after they have been assigned.

Assignments will be unlocked at 4:00pm on their assigned dates and locked at 11:59pm on their due dates

Assignment #1	10%
Assignment #2	10%
Assignment #3	10%
Assignment #4	<u>10%</u>
	40%

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The Final Exam will consist of approximately, 60 questions in multiple choice and true/false format but will be a hard-copy hand-out. The exam date will be centrally scheduled (between 8th and 19th April). The exam will be an “open-book” exam (printed material only, no lap tops/i-pads, etc.). The final exam will be based on the course notes provided. **The final exam will be worth 60% of your overall class mark.**

Rules and Regulations

All policies of the University of Guelph, the College of Physical and Engineering Sciences and the School of Engineering apply. It is the responsibility of each student to be familiar with these policies.

In-Class Behaviour

Students are expected to come to lectures prepared for the class. Questions are encouraged at any time during lecture provided that they do not interfere with the other students' ability to take in the material presented. Students are expected to treat each other with the utmost respect; disruptions to the class will not be permitted.

Environmental Policy

We are striving eliminate the use of paper in this course which is why all assignments and final exam will be done online. All course materials will be available through Course Link. Access to legislation will be made available through a variety of weblinks.

Deadlines

Late assignments will not be accepted. In uncontrollable circumstances, accompanied with appropriate documentation (i.e. for medical reasons supported by a medical note or upon the written recommendation of Counseling Services), the assignment deadline can be extended through arrangement with the course instructor.

Academic Integrity

Academic dishonesty, which includes plagiarism and cheating, is an extremely serious academic offence and carries penalties varying from a zero (0) grade on an assignment to expulsion from the University. Definitions, penalties, and procedures for dealing with plagiarism and cheating are set out in University of Guelph's *Academic Integrity Policy*. You have a responsibility to educate yourself – unfamiliarity with the policy is not an excuse. You are strongly encouraged to visit to learn more <http://www.academicintegrity.uoguelph.ca/> to learn more.

Access to Instruction

It is the University of Guelph's intent to create an inclusive learning environment. If a student has a disability and/or health consideration and feels that he/she may need accommodations to succeed in this course, the student should contact the Centre for Students with Disabilities (CSD) <http://www.uoguelph.ca/csd/> CSD offers specialized programs and services to students with disabilities registered at the University of Guelph (full-time or part-time undergraduate and graduate).

Counselling Services

<http://www.counselling.uoguelph.ca/counselling/>

Counselling Services offer individual counselling sessions to help support students as they work through the personal challenges that impair their ability to succeed at school and in other areas of their lives.

Student Health Services

<http://www.studenthealth.uoguelph.ca/index2.shtml>

Student Health Services offers a variety of health care services, including primary health care, a walk-in clinic and on-site laboratory testing.

Health and Performance Centre

<http://www.uoguelph.ca/hpc/>

Health and Performance Centre specializes in the diagnosis, treatment and rehabilitation of acute and chronic orthopedic, musculoskeletal, sport and activity related injuries. The Centre also provides a variety of health promotion services including fitness and nutrition expertise and professional bicycle fitting.

University of Guelph Maps

Map of Campus

<http://www.uoguelph.ca/campus/map/>

Parking Map

http://www.parking.uoguelph.ca/images/Parking_Map_2008-09.pdf