

CE5933 – Special Studies in Civil Engineering III: Engineering and Social Justice

COURSE OUTLINE Section FR01B – 2012-13

Lecture Times: Mondays 2:30-5:30
Lecture Room: H214
Tutorials: N/A
Labs: N/A

Instructor:	K Haralampides	D MacIsaac
Office:	GWD-125	ITD418
Office Hours:	TBA	T2:30-3:30
Email:	katy@unb.ca	dmac@unb.ca T10:00-11:00
Course Website:	www.ece.unb.ca/Courses/CE5933/DM	

SCENT FREE:

To respect those in the class with a condition called 'Multiple Chemical Sensitivities', please refrain from wearing heavily scented deodorants, colognes, perfumes etc. to class or to instructors offices. Scents can make them very sick.

Course Description

[3ch]

Prerequisites: 100ch of core engineering or computer science, or permission from the instructor

This course is a seminar-based course designed to provide students with an opportunity to study social justice in the context of science, technology, and engineering. The contents have been flexibly designed to accommodate students in engineering, science, or computer science, with an interest in how to integrate concepts of social justice into their professional practice. Through guided exploration, students will work in teams to learn about:

- world affairs and diverse ways of life
- historical and sociological frameworks for exploring their own global frames of reference and those of others
- current and historical examples of scientific and engineering approaches to making our world more equitable

Students will be required to develop and deliver a seminar on a topic of their choice, and to participate in seminars lead by others, to demonstrate their understanding of the concepts listed above.

Attending Lectures, Labs and Tutorials

This course is a seminar based course. Students and instructors will share the responsibility of delivering lecture material. All lectures are equally important and it is expected that all students will attend and actively participate in all lectures. Out of respect for those facilitating each lecture, personal media devices such as cell phones, ipods, ipads, or computers are not allowed to be used during lectures unless otherwise specified by an instructor. Also out of respect for those facilitating, students who miss a lecture for any reason are expected to report the absence to an instructor via email. **Students who miss lectures regularly or fail to report absences may be asked to withdraw from the course.**

Marking Scheme

- Student grades will be calculated based on the following assessments:

Regular Assignments: (must successfully complete 10)	I/T	20%
Freeform inquiry	I/T	15%
Project: (a) resource portfolio (b) seminar (c)report	T	45%
In-class Contributions	I	20%
	I = Individual; T=Teams of 4-5; I/T= choose between I or T	100%

- Numerical Grade Conversion:

A+	90-100	B+	75-79	C+	60-64	D	50-54	F	<50
A	85-89	B	70-74	C	55-59				
A-	80-84	B-	65-69						

- A detailed instruction sheet will be provided in class and online for each assessment activity. Students are expected to follow the instructions delineated, including due dates, submission procedures, penalties for missed or late submissions etc.

Email Etiquette:

You are enrolled in a professional program, and must remember that all communications must be conducted in a professional manner. Always use your UNB email address when emailing an instructor and each other. When writing an email, the subject must be clear and appropriate. Capital letters, punctuation, spelling, and greetings must all be professional, and it is important to sign the email with your full name and student number. Unprofessional emails will not be acknowledged.

Working in Teams

When working in teams, work submitted for grading may be distributed as agreed upon by all team members, but all members of a team are expected to contribute equitably and grades will be altered accordingly when evidence suggests sizeable discrepancies in contributions. Inequitable distribution of workload must be reported to the instructor before work commences, so that intervention can occur.

When submitting written work as a member of a team, you are responsible for the full contents of the submission. If you are uncertain about the quality and/or referencing standards used by team members, check the work and encourage revision when necessary. In the event that you are uncertain about standards of submitted work even after revisions are encouraged, you must report your uncertainty to the instructor before submission. Failure to do so will hold all team members equally accountable for the submission.

Plagiarism

Details regarding plagiarism can be found in the Appendix of this document. As a student in a senior level university course, it is your responsibility to ensure that you understand these details. If you do not, use resources provided by UNB Library to develop your understanding and/or seek assistance from your instructor (see <http://www.lib.unb.ca/research/Plagiarism.html>).

Reference Materials

See web site regularly for updated reference materials