Western University - Faculty of Engineering
Department of Civil and Environmental Engineering

CEE 9500 –M.Eng. Engineering Project
Course Outline

Objectives:

The objective of the course is to provide the student with an opportunity to work on an engineering problem in some depth under the individual supervision of a faculty member. The student will carry out analytical and/or experimental work and prepare a detailed engineering report. The results of the project must be presented in a public lecture. Projects may be assigned in consultation with the candidate's employer if applicable.

Prerequisites:

Enrolment in the M.Eng. program, and completion of a minimum of three graduate-level technical courses offered by the Faculty of Engineering with an overall average of at least 75%. The approval of the Graduate Chair or their representative is also required.

Corequisites:

Continuous registration must be maintained in CEE 9500 for a minimum of two consecutive terms.

Antirequistes:

A student who fails CEE 9500 will not be permitted to repeat the course.

Note: It is the **student's responsibility** to ensure that all Prerequisite and Corequisite conditions are met or that special permission to waive these requirements has been granted by the Department. It is also the **student's responsibility** to ensure that they have not taken a course listed as an Antirequisite. The student may be dropped from the course or not given credit for the course towards their degree at any time if they violate the Prerequisite, Corequisite or Antirequisite conditions.

Faculty Advisor:

It is the student's responsibility to ensure that they have a Faculty Advisor(s). At least one Faculty Advisor must be a faculty member in the Department of Civil and Environmental Engineering. The latter requirement may be waived with the approval of the Graduate Chair or their representative, provided the proposed advisor is a faculty member in the Faculty of Engineering.

Contact Hours:

By arrangement with the Faculty Advisor

Course Coordinator:

Ayman El Ansary, PhD, P.Eng., Associate Chair, Graduate Professional Programs

SEB 3026A, email: ayman.elansary@uwo.ca.

Administrative Support
CEE Graduate Program Coordinator, SEB 3018, email: ceeprofessionalgrad@uwo.ca

Laboratory Access and Safety Information:

If a project requires the use of a Department of Civil and Environmental Engineering laboratory the student must complete a Laboratory Access and Safety Orientation form with their Faculty Advisor. Faculty Advisors must sign the top of the form and indicate what laboratories the student needs to use with regards to their project, as well as any equipment. The student must then take the form to the appropriate laboratory technician to receive specialized training based on the information provided by the Faculty Advisor. If there are any changes to equipment/laboratory access, the form can be altered at any time. Once all training is complete, the laboratory technician will sign off on the form. The form must then be submitted to the Graduate Office. Both the Graduate Chair and the Graduate Coordinator must sign off on the form.

Keys will not be issued for any laboratory until the Laboratory Access and Safety Orientation form is submitted to the Grad Office and approved by both the Graduate Chair and the Graduate Coordinator. Laboratory technicians have the right to refuse access if a student does not successfully complete safety training.

Computing:

Computing facilities are available at the Engineering Faculty IT Lab and Laboratories in the Engineering Building.

Units:

SI units should be used wherever possible.

Evaluation:

The final course mark will be determined as follows:

Public lecture presentation	20%
Project report:	80%

Total	100%

In addition to the above, a student must submit the proposal, progress report, and the final project report following the guidelines and templates posted on the course website on OWL. Failure to follow the required guidelines and templates in preparing the proposal, progress report, and final project report, may lead to marks being deducted for poor presentation and use of inconsistent formats.

The proposal and progress report are considered as project milestones. Electronic or hard copies of the proposal and progress report should be submitted to the Faculty Advisor by the deadlines shown in the next section and posted on the course website on OWL. In addition, electronic copies of both the proposal and progress report must be uploaded to the course website on OWL prior to the published deadlines.

For evaluation of the project report the student shall submit two printed copies of the project report (electronic copies via email are also accepted) for grading by the published deadline: one will be graded by the Faculty Advisor and the other by a faculty member with expertise in the project area assigned by the Graduate Chair or their representative after consultation with the Faculty Advisor. In addition, the student will also submit an electronic copy to the course website on OWL to be checked by the commercial plagiarism-detection software currently under license to the University for the detection of plagiarism. Submission of the electronic copy is mandatory. The final mark for the project report will be determined by taking an equally-weighted average of the two examiner's marks for both the project report and presentation. In the event that there are significant differences between the marks submitted by the two examiners, and if the Graduate Chair or their representative considers it necessary, a third examiner may be appointed by the Graduate Chair or their representative for an independent review of the project report.

Submission Deadlines:

The proposal, progress report, and final project report should be submitted as both printed copies and uploaded electronically to the course website on OWL according to the following deadlines:

Proposal submission deadline: before the end of the first month from the date of initial enrollment in the course. *Students who miss this deadline will be dropped from the course.*

Term of initial enrollment in the course	Proposal submission deadline
Fall term	September 30th
Winter term	January 31st
Summer term	May 31st

Progress report submission deadline: two weeks before the end of the first term of enrollment in the course *Students who miss this deadline will be dropped from the course.*

Term of initial enrollment in the course	Progress report submission deadline
Fall term	December 15th
Winter term	April 15th
Summer term	August 15th

Final Project report submission deadline: two weeks before the end of the second term of enrollment in the course. A grade for the project report from both the Faculty Advisor and the second examiner must be received by the Graduate Coordinator before the grade submission deadline for the term in which the final report is submitted. *Failure to meet this last deadline may result in the student being required to pay partial or full fees for an additional term of enrollment in the program.*

Term of initial enrollment in the course	Final report submission deadline	Final grade submission deadline
Fall term	April 15th	April 30th
Winter term	August 15th	August 31st
Summer term	December 15th	December 23rd

Use of English:

In accordance with Senate and Faculty Policy, students may be penalized up to 10% of the marks on all assignments, tests, and examinations for the improper use of English. Additionally, poorly written work may be returned without grading. If resubmission of the work is permitted, it may be graded with marks deducted for poor English and/or late submission.

Scholastic Offences:

Scholastic offences are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at the following Web site: http://www.uwo.ca/univsec/handbook/appeals/scholastic_discipline_grad.pdf.

Plagiarism:

University policy states that plagiarism, defined as the "act or an instance of copying or stealing another's words or ideas and attributing them as one's own." (excerpted from Black's Law Dictionary, West Group, 1999, 7th ed., p. 1170) is a scholastic offence. In submitting any written work as part of the coursework requirements for this course students must ensure that this work is written in their own words. Whenever students take an idea or a passage of text from another author, they must acknowledge their debt both by using quotation marks where appropriate and by proper referencing such as footnotes or citations.

All required papers may be subject to submission for textual similarity review to the commercial plagiarism-detection software under license to the University for the detection of plagiarism. All papers submitted for such checking will be included as source documents in the reference database for the purpose of detecting plagiarism of papers subsequently submitted to the system. Use of the service is subject to the licensing agreement, currently between The University of Western Ontario and Turnitin.com (http://www.turnitin.com).

A student who is found guilty of plagiarism in respect of any written work submitted as part of the coursework requirements for this course will be given a grade of zero for the submitted work. Repeated acts of plagiarism, either in this course or any other course subsequent to a first offence, will result in the student being given a failing grade for the course in which the subsequent offence occurs, and may also incur further penalties such as requiring the student to withdraw from the program in which they are enrolled in.

Accessibility:

Please contact the course instructor if you require material in an alternate format or if any other arrangements can make this course more accessible to you. You may also wish to contact Services for Students with Disabilities (SSD) at 661-2111 x 82147 for any specific question regarding an accommodation.

Conduct:

Students are expected to arrive at lectures on time, and to conduct themselves during class in a professional and respectful manner that is not disruptive to others. Late comers may be asked to wait outside the classroom until being invited in by the Instructor. Please turn off your cell phone before coming to a class, tutorial, quiz or exam.

On the premises of the University or at a University-sponsored program, students must abide by the Student Code of Conduct: http://www.uwo.ca/univsec/board/code.pdf.

Sickness and Other Problems:

Students should immediately consult with the Instructor or Department Chair if they have any problems that could affect their performance in the course. Where appropriate, the problems should be documented (see attached). The student should seek advice from the Instructor or Department Chair regarding how best to deal with the problem. Failure to notify the Instructor or Department Chair immediately (or as soon as possible thereafter) will have a negative effect on any appeal.

For more information concerning medical accommodations, please see:
http://www.uwo.ca/univsec/handbook/appeals/accommodation_medical.pdf.

Notice:

Students are responsible for regularly checking their email, and the course OWL site for new notices related to the course.