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

CEE 9500 – M.Eng. Engineering Project
Course Outline – Summer 2015 to Summer 2016

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.

Antierequisites:
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, PEng, M.Eng. Program Coordinator, SEB 3090, email:aalansu@uwo.ca.
Administrative Support
Kristen Edward, Graduate Program Coordinator, SEB 3009, email: khunt29@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:

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<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Proposal</td>
<td>5%</td>
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<tr>
<td>Progress report</td>
<td>10%</td>
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<tr>
<td>Project report</td>
<td>85%</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
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In addition to the above, a student must present the results of the project in a public lecture, typically as part of the Civil Seminar Series that takes place on Tuesday afternoons, from 1:30 – 2:20 pm, during the Fall and Winter terms before a final grade will be given for the course. The presentation is not an oral examination of the student’s work, and marks will not be given for the presentation.

The proposal and progress report will be graded by the Faculty Advisor. For evaluation of the project report the student shall submit two printed copies of the project report for grading: 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 Graduate Coordinator for submission to 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. 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.
**Project Report Submission Deadlines:**

Project reports may be submitted at any time during a term for grading, however a student who is trying to complete all of the requirements for CEE 9500 by the end of a specific term must submit the project report for grading at least one calendar month prior to the end of the term in which they intend completing 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 public lecture is scheduled. This requirement may be waived under exceptional circumstances, but only with the agreement of both the Faculty Advisor and the M.Eng. Coordinator that the submitted project report is acceptable without having been formally graded.

**Use of English:**

In accordance with Senate and Faculty Policy, students may be penalised 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](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.


**Notice:**

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