

The University of Western Ontario
Department of Mechanical and Materials Engineering

MME 4401y – Mechanical & Materials Engineering Thesis

COURSE OUTLINE 2013-2014

CALENDAR DESCRIPTION: The objective of the course is to provide the student with an opportunity to select and investigate an engineering problem in some depth independently under the supervision of a faculty member. The student will carry out analytical and/or experimental work and prepare a progress report and an engineering thesis. Each student must deliver a public lecture. This course is primarily directed at students considering future graduate studies.

PREREQUISITES: Completion of the third year of the Mechanical & Materials Engineering program with a minimum A- average. Unless you have either the requisites for this course or written special permission from your Dean to enroll in it, you will be removed from this course and it will be deleted from your record. This decision may not be appealed. You will receive no adjustment to your fees in the event that you are dropped from a course for failing to have the necessary prerequisites.

ANTIREQUISITES: CBE 4415, ECE 4416, SE 4450; no repeat of MME 4401y permitted.

ACCREDITATION UNITS: Complementary Studies = 25%, Engineering Science= 75%

CONTACT HOURS: By arrangement with the thesis Faculty Advisor.
Laboratory: 3 hours of personal work per week

TEXT: N/A

UNITS: SI

EVALUATION : The final grade in the course will be determined according to the evaluation formats to be collected according to the following **tentative** schedule:

Evaluation Format	Weight	Evaluator	Deadline
Proposal	5%	Faculty advisor	Sep. 30, 2013
Progress Report	20%	Faculty advisor	Jan. 6, 2014
Informative Abstract	5%	Faculty advisor	Mar. 3, 2014
Oral Presentation	20%	Judges of U/G thesis competition	Late Mar. 2014 (timing TBA)
Thesis	50%	Faculty advisor and course coordinator	Apr. 1, 2014

COORDINATOR : Prof. R. Tutunea-Fatan
Room: SEB 2063A
Telephone: 519-661-2111, Ext. 88289
e-mail: rtutunea@eng.uwo.ca

Knowledge Base	X	Individual Work	X	Ethics and Equity	
Problem Analysis	X	Team Work		Economics and Project Management	
Investigation	X	Communication	X	Life-Long Learning	
Design	X	Professionalism	X		
Engineering Tools	X	Impact on Society			

SSD: *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.*

CONSULTATION: Students are encouraged to discuss problems with their Faculty Advisor(s) and/or Course Coordinator. Faculty Advisor(s) will have weekly office hours scheduled for MME401y. The Course Coordinator will have an open door policy (SEB 2063A).

ATTENDANCE: Any student who, in the opinion of the instructor, is absent too frequently from class or laboratory periods in any course, will be reported to the Dean (after due warning has been given). On the recommendation of the Department concerned, and with the permission of the Dean, the student will be debarred from taking the regular examination in the course.

CHEATING: University policy states that cheating, including plagiarism, is a scholastic offense. The commission of a scholastic offense is attended by academic penalties, which might include expulsion from the program. If a student is caught cheating, there will be no second warning (see Scholastic Offence Policy in the Western Calendar).

NOTE: Students who have failed an Engineering course (*i.e.* <50%) must repeat all components of the course. No special permissions will be granted enabling a student to retain laboratory, assignment or test marks from previous years. Previously completed assignments and laboratories cannot be resubmitted for grading by the student in subsequent years.

The above topics and outline are subject to adjustments and changes as needed.