

THE UNIVERSITY OF WESTERN ONTARIO

APPLIED MATHEMATICS 1413
Applied Mathematics for Engineers I
Course Outline
2015-2016

Instructors:

Section 001: Prof. C. Essex

MWF -9:30am-10:30am, MC 110

Tutorials: 003- Tu 2:30pm-3:30pm SEB 2200
004- Tu 1:30pm-2:30pm SEB 2202
005- W 11:30am-12:30pm AHB-1R40
008- Th 2:30pm-3:30pm SSC-2050

Section 002: Prof. A. MacIsaac:

M W F 12:30-1:30 AM, AHB-1R40

Tutorials: 006- Th 11:30am-12:30pm UCC-56
007- Tu 2:30pm-3:30pm SEB 2202
009- Tu 1:30pm-2:30pm SSC-3022
010- W 11:30am-12:30pm WSC-55

Texts:

Calculus: A Complete Course, 8th edition, Adams and Essex, ISBN: 978-0-321-78107-9 (Required)

Mathematical Handbook, 2nd ed., by Spiegel & Liu, ISBN# 0-07-03820-34 (Optional)

Overview of the Course:

The course will cover selected material in Preliminaries, Appendices I-III, and Chapters 1-13 in Calculus. A list of suggested exercises will be provided; it is strongly recommended that you solve as many of them as possible.

Evaluation:

20% Quizzes or Assignments (approximately one every two weeks, section specific)

40% Midterm Exam – December Examination Period

40% Final Exam - April Examination Period

- Examinations will be closed book. No computational or electronic aids will be permitted!
- There will be no 100% option for the final exam.
- *Missing Quizzes and Exams:* Missing an exam or quiz will result in a grade of zero for that exam or quiz, unless permission is granted from Engineering Student Services. If permission is granted, a prorated mark will be assigned. There will be no makeups for quizzes or midterms.
- *Registration in Tutorials and Lecture Sections:* Students will not receive credit for writing quizzes or assignments in sections in which they are not registered. Each tutorial session is linked to a particular lecture section and quizzes and assignments will be set according to the instructor of that section. You are expected to know which lecture section and tutorial section you are registered in and your attendance at each is required.

Addendum to all Applied Mathematics Course Outlines:

If you are unable to meet a course requirement due to illness or other serious circumstances, you must provide valid medical or other supporting documentation to your faculty's Dean's Office as soon as possible and contact your instructor immediately. It is the student's responsibility to make alternative arrangements with their instructor once the accommodation has been approved and the instructor has been informed. In the event of a missed final exam, a "Recommendation of Special Examination" form must be obtained from your faculty's Dean's Office immediately.

For further information please see: <http://studentservices.uwo.ca/secure/index.cfm>

A student requiring academic accommodation due to illness, should use the Student Medical Certificate when visiting an off-campus medical facility or request a Records Release Form (located in the Dean's Office) for visits to Student Health Services. The form can be found here:

https://studentservices.uwo.ca/secure/medical_document.pdf

Mental Health Statement:

Students who are in emotional/mental distress should refer to Mental Health@Western

<http://www.uwo.ca/uwocom/mentalhealth/> for a complete list of options about how to obtain help.

Accessibility:

Please contact the course instructor if you require lecture or printed 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 ext. 82147 if you have questions regarding accommodation.

Support Services:

Learning-skills counsellors at the Student Development Centre (<http://www.sdc.uwo.ca>) are ready to help you improve your learning skills. They offer presentations on strategies for improving time management, multiple-choice exam preparation/writing, textbook reading, and more. Individual support is offered throughout the Fall/Winter terms in the drop-in Learning Help Centre, and year-round through individual counselling.

Additional student-run support services are offered by the USC, <http://westernusc.ca/services>.

The website for Registrar Services is <http://www.registrar.uwo.ca>.