

The University of Western Ontario – Calculus I

Fall 2012, Calculus 1000A

Basic Course Information

Req. Texts *Single Variable Calculus: Early Transcendentals* (7th edition), by James Stewart (Brooks/Cole)
Student's Solutions Manual for 7th edition of Stewart, by Anderson, Cole & Drucker (Brooks/Cole)
Calculus Fear No More, by Miroslav Lovric (Nelson)
Comes with access to Enhanced Web Assign and electronic "You Book" Access Card

OR

Enhanced Web Assign and electronic "You Book" Access Card
Calculus Fear No More, by Miroslav Lovric (Nelson)

Optional *Lecture Notes for Calculus Volume 1* (7th edition), by R. N Bryan (Custom Course Materials)
Midterm Tests and Final Exams for Calculus 1000, by Department of Mathematics (Custom Course Materials).

Pre-reqs Ont. Secondary School Calculus and Vectors (MCV4U, formerly MCB4U), and/or Math0110A/B.

Websites For general course info see, www.apmaths.uwo.ca/~btudose/calc1000.html
For section-specific info see, webct.uwo.ca, or ask your instructor for URL.

Help Centre Mon-Fri, 2:30-6:30pm, Middlesex College Room 106 (MC 106)

Unless you have either the requisites for this course or written special permission from your Dean to enroll in it, you may 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.

Course Syllabus

Description

Review of limits and derivatives of exponential, logarithmic and rational functions. Trigonometric functions and their inverses. The derivatives of the trig functions and their inverses. L'Hospital's rules. The definite integral. Fundamental theorem of Calculus. Simple substitution. Applications including areas of regions and volumes of solids of revolution.

Textbook Chapters

We plan on covering material from Chapters 1-6 of the textbook.

Expectations

- Students are expected to have read the appropriate sections of Chapters 1-6 and to have completed practice problems assigned by their instructor. Additional reading and practice problems may be assigned.
- Students should note that success in university-level mathematics courses often requires self-directed exploration of topics. Successful students often do more than simply repeat the solutions to assigned problems over and over again and nod along with their instructor in lecture.
- Students are expected to use help resources available to them (especially Help Centre) when problems arise. It is often better to tackle difficult material when problems with understanding occur. Putting off questions until exam time is an ill-advised study strategy. Students that work at a consistent pace throughout the term and make a consistent effort to understand material tend to achieve better results.

Evaluation

Your final grade will be based two test marks, and the mark you receive on the final exam as follows:

Midterm Exam	35 %
Final Exam	50 %
Quizzes/Assignments	15 %

Midterm Exam

At the mid term you will write a three-hour exam-style test. This Midterm Exam will take place on **FRIDAY OCT 19 from 7-10pm**. The location will vary depending on your section and surname. Specific details on the tests will be provided by your instructor closer to the exam date.

Provided you have followed the procedures outlined below (see addenda), and provided you have secured the approval of your dean, you can write a make-up test. Final exam marks may replace midterm marks for those with legitimate reasons for missing make-ups.

Final Examination

The Final Examination will be three hours and will be cumulative. The Final Examination will be held during the Final Examination period and will be scheduled by the university. Students seeking a make-up exam for any reason must secure approval from the appropriate dean (see addenda).

Quizzes/Assignments

Quizzes/Assignments are section-specific and results will be adjusted to ensure fairness among sections. Your instructor will provide you with details relevant to your section.

Addenda

Academic Accommodation Due to Illness

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://www.uwo.ca/univsec/handbook/appeals/medical.pdf>

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

Academic Integrity

You should familiarize yourself with University of Western Ontario's Scholastic Offence Policy. The policy describes the university's process for dealing with scholastic offences, including a list of sanctions:
<http://www.uwo.ca/univsec/handbook/appeals/scholoff.pdf>

The Office of the Ombudsperson produces a student guide on cheating, plagiarism and other scholastic offenses:
<http://www.uwo.ca/ombuds/student/cheating.html>

Accessibility Statement

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

Calculator Policy Use of calculators (or any electronic device) during exams is prohibited.