

**THE UNIVERSITY OF WESTERN ONTARIO
DEPARTMENTS OF MATHEMATICS AND APPLIED
MATHEMATICS**

Calculus 1100A

Fall 2009

INSTRUCTORS: C. Jones. (Applied Mathematics & Mathematics), R. Kane (Mathematics)

COURSE COORDINATOR: R. Kane

TEXTBOOK:

- *STUDENT VALUE PACKAGE: Single Variable Calculus, Sixth Edition, with Early Transcendentals, with Student Solutions Manual, Vol. 1* by James Stewart, and *Interactive Video Skillbuilder CD-ROM* published by Thomson/Brooks/Cole. (Shrink-wrapped package)
- *Midterm Tests and Final Exams for Calculus 1000a*, published for the Department of Mathematics by Custom Course Materials. (**OPTIONAL**)
- *Lecture Notes for Calculus Volume 1, 7th Edition* by R.N. Bryan, published by Custom Course Materials. (**OPTIONAL**)
- *The Mathematics Survival Kit, Revised Edition* by Jack Weiner, published by Nelson Canada. (**OPTIONAL**)

PREREQUISITES: One or more of Ontario Secondary School MHF4U, MCV4U, Mathematics 0110A/B, or the former Ontario Secondary School MCB4U. This course is intended for students with no previous experience of Calculus but it is open to those who have taken MCV4U or equivalent and wish to revisit Introductory Calculus. It is equivalent to Calculus 1000A/B for prerequisite purposes. 4 lecture hours, 1 tutorial hour.

ANTIREQUISITES: Calculus 1000A/B, Applied Mathematics 1413, the former Mathematics 030.

COURSE OUTLINE: Selected topics from Chapters 1-6. See the List of Suggested Exercises for more details.

WHAT IS EXPECTED OF THE STUDENT? Students are responsible for the material presented in lectures and in tutorials and are also responsible for learning how to solve the suggested exercises. Participation in the tutorials is important. Tutorials will focus on the presentation of examples or on the review of material already covered in class. Any examples discussed are an essential part of the course and are unlikely to be discussed during the lectures. All quizzes for the course will take place in the tutorials.

CALCULATOR POLICY: Although the use of calculators will not be permitted for the midterm test and the final examination, students are expected to have a reasonable facility in the use of their calculators.

EVALUATION OF STUDENT PERFORMANCE:

- **Midterm Examination:** (35%) Sat., November 7, 2009, 9:00. - 11:30 a.m.
- **Final Examination:** (50%) To be scheduled by the Registrar's Office. (3 hours).
- **Quizzes/Assignments:** (15%)

There will be 4 tutorial quizzes. All of the quizzes will be written in your tutorials. There will be no make-up quizzes. The best 3 quiz marks will contribute 15% towards your final grade. The four quizzes will be scheduled for the weeks starting on September 28th, October 5th, November 16th, and November 30th. Calculus 1000A and Calculus 1100A will write a common final exam in December.

IMPORTANT SENATE POLICY: Students are responsible for ensuring that their selection of courses is appropriate and accurately recorded and that all course prerequisites have been successfully completed. If the student does not have the requisites for a course, and does not have written special permission from his or her Dean to enroll in the course, the student may be removed from the course and it will be deleted from the student's record. This decision may not be appealed. A student will receive no adjustment to his or her fees in the event that he or she is dropped from a course for failing to have the necessary prerequisites.

STATEMENT ON ACADEMIC 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/scholoff.pdf>.

Computer-marked multiple-choice tests and/or exams may be subject to submission for similarity review by software that will check for unusual coincidences in answer patterns that may indicate cheating.

NEW MEDICAL EXCUSE REGULATIONS: 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 the Dean's Office as soon as possible and contact your instructor immediately. It is the student's responsibility to make alternative arrangements with his or her 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 the Dean's Office immediately. For further information please see:

http://www.uwo.ca/univsec/handbook/appeals/accommodation_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 Record's Release Form (located in the Dean's Office) for visits to Student Health Services. The form can be found at the following web site:

<http://www.uwo.ca/univsec/handbook/appeals/medicalform.pdf>