

THE UNIVERSITY OF WESTERN ONTARIO
THE DEPARTMENT OF APPLIED MATHEMATICS

Calculus 1000B

Winter 2017

INSTRUCTOR: Natalia Kiriushcheva, email: nkiriush@uwo.ca
Office: MC 250

CLASSES: Section 001: Monday, Wednesday, 7 p.m. - 9 p.m., room SEB 1059,

Section 003: Monday, Tuesday, Wednesday, Thursday, 8:30 a.m. - 9:30 a.m., room SEB 1059

TEXTBOOKS: *Single Variable Calculus: Early Transcendentals (8th edition)*, by James Stewart (Brooks/Cole)
Student's Solutions Manual for 8th edition of Stewart, by Anderson, Cole & Drucker (Brooks/Cole)
Comes with access to Enhanced Web Assign and electronic "You Book" Access Card

OR

Optional *Enhanced Web Assign and electronic "You Book" Access Card*

Lecture Notes for Calculus Volume 2 (7th edition), by R. N. Bryan (Custom Course Materials)
Midterm Tests and Final Exams for Calculus 1000A/B, by R.N. Bryan (Custom Course Materials)

PREREQUISITES: One or more of Ontario Secondary School MCV4U, Mathematics 0110A/B, or the former Ontario Secondary School MCB4U.

ANTIREQUISITES: Calculus 1100A/B, Applied Mathematics 1413, the former Mathematics 030.

COURSE SYLLABUS:

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

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

INFORMATION ABOUT THE COURSE, AS WELL AS YOUR GRADES, WILL BE POSTED ON OWL: <https://owl.uwo.ca/portal>

WHAT IS EXPECTED OF THE STUDENT?

Students are responsible for the material presented in lectures and for learning how to solve the suggested exercises.

EVALUATION OF STUDENT PERFORMANCE:

Midterm Examination: (35%) Friday, March 3, 2017, 7:00 p.m. - 9:00 p.m.

Final Examination: (50%), 3 hours (to be scheduled by the Registrar Office)

Assignments/Quizzes: (15%) In-class quizzes.

The exam will be closed book, no notes, no calculators or any other electronic devices will be permitted.

POLICY ON CALCULATORS AND OTHER ELECTRONIC DEVICES:

Although the use of calculators and other electronic devices 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.

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 enrol 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.

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/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 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 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 x 82147 for any specific questions regarding an accommodation.