

The University of Western Ontario (Western University)

Calculus 1501B, Winter 2016
Calculus II for Mathematical and Physical Sciences

January–April 2016

Section 001: MTuWF 8:30-9:30 am, in NS 7 (Dr. Szumilo, kszumilo@uwo.ca)

Section 002: MTuWTh 12:30-1:30 pm, in SEB 2200 (Dr. Barron, tatyana.barron@uwo.ca)

Textbook: Single Variable Calculus, Early Transcendentals, 8th. ed., by J. Stewart (**required**). Student Solutions Manual is recommended.

Prerequisites: Calculus 1000A/B or 1500A/B (in either case with a minimum mark of 60%).

Antirequisites: Calculus 1301A/B, Applied Mathematics 1413.

Course description: Students who intend to pursue a degree in Actuarial Science, Applied Mathematics, Astronomy, Mathematics, Physics, or Statistics should take this course. Techniques of integration; The Mean Value Theorem and its consequences; series, Taylor series with applications; parametric and polar curves with applications; first order linear and separable differential equations with applications.

What is expected of the student: Students are expected to attend all lectures, complete all assignments and write all examinations. Solutions of collected homework problems must be written neatly, and handed in by the deadline.

Calculator policy: use of calculators will **not** be permitted for midterm tests and final examinations.

Evaluation of student performance:

homework 20%

two midterm exams (Feb 5, 7-9 pm, and March 11, 7-9 pm; 20% each)

final exam (3 hours, to be scheduled by the Registrar's office) 40%

Course webpage: <http://www-home.math.uwo.ca/~tfoth/calc2016/>

Some information may be posted on owl - to be announced by your instructor.

The policy on Accommodation for Medical Illness:

See <http://www.westerncalendar.uwo.ca/2015/pg117.html>

In particular, students seeking academic accommodation on medical grounds for any missed tests, exams, participation components and/or assignments worth 10% or more of their final grade must contact the Academic Counselling office of their home Faculty and provide documentation. Academic accommodation cannot be granted by the instructor or department.

Students seeking academic accommodation for a missed homework assignment should contact the instructor without delay.

Missed final exam: Course instructors are not able to grant permission for a student to miss or re-schedule a final examination. Students who have missed or plan to miss a final examination should contact an academic counsellor at their home Faculty Dean's office.

Statement on Prerequisites: 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.

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

<http://www.westerncalendar.uwo.ca/2015/pg113.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 x 82147 for any specific question regarding an accommodation.