

Calculus 1301A
Summer Day 2018

Updated: May 25, 2018

Instructor: Hadi Seyedinejad

Office: MC 129

Office Hours: Wed & Fri, 4:00–5:30 pm.

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Textbook: “Single Variable Calculus: Early Transcendentals” by James Stewart, Cengage Learning, 8th edition.

Lectures: Mon–Fri, Jul 9–Aug 17, 11:00–1:00 pm, SSC 2024.

Prerequisite: A minimum mark of 55% in one of Calculus 1000A/B, 1500A/B, or the former 1100A/B.

Antirequisites: Calculus 1501A/B, Applied Mathematics 1413.

Website: <https://owl.uwo.ca/portal/site/129250b5-3546-48c0-ae53-b33cb4c5f2a1>

Students are required to check the official website of the course and their UWO email accounts regularly. Important announcements (with possible email notifications) may be posted by the instructor on the website. There are also useful materials such as an up-to-date version of this course outline and a list of suggested exercises.

Content of the Course: This is a second course in calculus. We will essentially cover Chapters 7 through 11 of the textbook. The official list of topics is the following: integration by parts, partial fractions, integral tables, geometric series, harmonic series, Taylor series with applications, arc length of parametric and polar curves, first order linear and separable differential equations with applications.

Expectation: Students learn the concepts and computational techniques that are discussed along the course and practise them over various exercises and problems. To achieve this goal, it is the responsibility of students to have a careful, self-tailored study plan including activities such as regular attendance at lectures, doing exercises at home, using Help Centre sessions, meeting the instructor during his office hours, or consulting other resources available at library or on reliable websites as needed. Practising the material outside of class and not falling behind are very important in a mathematical course.

Evaluation:

- Test 1: 15%; in class on Monday, Jul 16; covers the content of lectures Jul 9–Jul 13.
- Test 2: 15%; in class on Monday, Jul 23; covers the content of lectures Jul 16–Jul 20.
- Test 3: 15%; in class on Monday, Jul 30; covers the content of lectures Jul 23–Jul 27.
- Assignment: 15%; to be posted after Test 3; covers the content of lectures Jul 30–Aug 15; due on Aug 17.

- Final Examination: 40%; to be announced by Office of the Registrar.

The Final Examination includes two parts:

- Part I (optional): covers the topics of and makes up for Tests 1–3;
- Part II (necessary): covers the rest of topics.

Part I itself consists of three sections, corresponding to the three term Tests. Students may choose to write as many sections of Part I as they wish, and the mark gained for each section, if higher, replaces the mark gained previously for the corresponding term Test. The time and booklet of the Final Examination will be the same for all students.

$$\boxed{\text{Final Grade (100)}} = \max\{\text{Tests (45), Part I (45)}\} + \text{Assignment (15)} + \text{Part II (40)}$$

Note. No electronic devices (such as calculators or cell phones) are allowed on examinations. Also, students should not use computing devices when doing homework problems (except for possibly verifying their own solutions or final answers).

Help Centre: Tue & Thu, Jul 10–Aug 16, 4:00–5:30 PM, MC 106.

Support Services:

Registrar Services (<http://www.registrar.uwo.ca>)

Student Support Services (<http://westernusc.ca/services/>)

Student Development Services (<http://www.sdc.uwo.ca>)

Services for Students with Disabilities (<http://www.sdc.uwo.ca/ssd/>)

Students who are in emotional or mental distress should refer to Health and Wellbeing at Western (<https://www.uwo.ca/health/>) for a complete list of options about how to obtain help.

Some regulations for the attention of students

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.

Medical Excuse 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 of your own faculty as soon as possible and contact your instructor **immediately**. It is the students 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 the Dean's Office immediately. For further information please see:

http://www.uwo.ca/univsec/pdf/academic_policies/appeals/accommodation_illness.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.

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 website:

http://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_discipline_undergrad.pdf