# Methods of Calculus Mathematics 1225B, Western University Summer 2014

Time and place: Mondays and Wednesdays 7:00 to 9:30 pm, in B&GS-0165.

Help centers: Mondays and Wednesday 5:00 to 7:00 pm, in MC 107.

Instructor: Farzad Fathizadeh, ffathiz@uwo.ca, MC 113, ext. 86009.

Office hours: Mondays and Wednesdays 4:15 pm to 5:00 pm, by appointment.

**Textbook:** Math 1225A/B Methods of Calculus (Excerpts from Tan et al), Custom Edition, published by Nelson. Custom package with text and Student Solution Manual ISBN: 017653704X.

**Prerequisites:** One or more of Ontario Secondary School MCV4U, Mathematics 0110A/B, Calculus 1000A/B, 1100A/B, 1500A/B or the former Ontario Secondary School MCB4U.

Antirequisites: Calculus 1201A/B, 1301A/B, 1501A/B, Applied Mathematics 1413, the former Mathematics 030.

**Syllabus:** Logarithmic, exponential and trigonometric functions; integration, applications of integration (area, volume); techniques of integration, improper integrals; functions of several variables, Second Partials Test, Lagrange Multipliers; differential equations.

#### Suggested exercises:

http://www.math.uwo.ca/ ffathiza/Courses/MethodsofCalculus/Syllabus.pdf

#### Grading scheme:

- Four assignments, 7.5% each.
- One midterm 30%.
- Final exam 40%.

## Course website:

http://www.math.uwo.ca/ffathiza/Courses/MethodsofCalculus/MethCalc.html

**Senate policy on prerequisites:** Students are responsible for ensuring that their course selection 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, he or she may be removed from the course and it will be deleted from the students record. This decision may not be appealed. No adjustment to fees will be made in the event that a student 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/scholastic\_discipline\_undergrad.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.

Absence/Missed work: 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 here:

#### https://studentservices.uwo.ca/secure/medical\_document.pdf

A makeup will be held for each term test as well as for the final exam. Only students with prior permission from their instructor will be allowed to write the makeup. If a student is unable to write the scheduled makeup for a Term Test due to a documented prolonged or recurring absence or other legitimate conflict, the instructor will decide whether to accommodate by rescheduling or reweighting that component of the grade.