NOTE: Many science/technically oriented courses and programs, at Western and at other universities, require
a full-year calculus course (such as Calculus 1000A and 1501B). Mathematics 1225B may not be appropriate
and will not serve as a prerequisite for Calculus 1301B or 1501B.

INSTRUCTORS: (Course Coordinator: V. Olds)
001 - V. Olds;
Affiliate College Sections: 530 (Brescia) - A. Ghorbanpour; 550 (Huron) - M. Palaisti;
551 & 552 (Huron) – M. Mollahajiaghaei;

TEXTBOOK: (required)
This required text was new 2 years ago. Previous texts for this course are not suitable as a replacement.

PREREQUISITES:
Ontario Secondary School MCV4U or equivalent (High School Calculus), or Mathematics 0110A/B.

ANTIREQUISITES:
Applied Mathematics 1201A/B, 1413, Calculus 1301A/B, 1501A/B, Mathematics 1230A/B. If Calc 1000A/B or
1500A/B was completed after Sept. 1 2016 it is an antirequisite (but not if it was completed before that time).

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

COURSE WEB SITE:
Various materials, such as required extra homework problems, practice tests and solutions to some of the homework
exercises, and the lecture notes for the online version of this course, are posted on the OWL web site. In addition, there
are forums on which students may post questions. Important information will be posted on the NEWS forum and/or on
the class page on the web site. All students are expected to be aware of information, and make use of materials, posted
on the course web site.

WHAT IS EXPECTED OF THE STUDENT?
Attend all classes, make a serious effort to understand all course material, and do all assigned homework. Be aware of
all information posted on the NEWS forum in OWL. The student must assume responsibility for any missed classes. It
is up to the student to seek out help when needed.

Please contact the course instructor if you require material in an alternate format or if any other arrangements
can make this course more accessible to you. You may also wish to contact Services for Students with Disabilities
(SSD) at 661-2111 x82147 for any specific question regarding an accommodation.
EVALUATION OF STUDENT PERFORMANCE:

Students will be assessed on the basis of Online Quizzes, 2 Term Tests, and a Final Exam. The Online Quizzes are completed in OWL. See the Quiz Schedule and Quiz Information documents posted on the Course Information page on the site.

The 2 Term Tests, each 90 minutes in length, will be held on:

- **Friday February 7 2020**, 7:00 - 8:30 p.m.
- **Friday March 13 2020**, 7:00 - 8:30 p.m.

Locations of these tests will be announced in class and/or on the course web site.

The Final Exam will be 3 hours in length, covering all of the course material. This exam will be scheduled by the Registrar's Office during the April Exam Period.

**Calculation of Final Grade:**
Each Term Test will count for 20%, the Final Exam will count for 40% and the student's best 5 of the 6 Online Quizzes will each count for 2%, for a total of 10%. The remaining 10% weight will be assigned to whichever of the three tests/exams is the student's best mark.

**Notes:**
1. The Tests and Examination will all have some multiple choice questions and some written answer questions.
2. **No calculators or other electronic devices or any other aids are allowed on tests and exams.**
3. See Absence / Missed Work policy.

**CLASS SCHEDULE:**
Section 001 meets MWF 12:30 - 1:20 in MC 110

**INSTRUCTOR CONTACT INFORMATION:**
V. Olds (001 & Course Coordinator): voids@uwo.ca, MC 103G, X86520

*Note:* Any email sent to your instructor MUST say **Math 1225B in the subject line**. Any email without this, and/or any email sent from other than a UWO email address, may be deleted unread.

**ABSENCE / MISSED WORK:**
If you are unable to meet a course requirement due to illness or other serious circumstances, you must seek approval for the absence as soon as possible. Approval can be granted either through a self-reporting of absence or via the Dean’s Office/Academic Counselling unit of your Home Faculty. For approval from Academic Counselling, you must provide valid medical or other supporting documentation to your Dean’s Office as soon as possible. And in either case you must contact your instructor immediately, as soon as you know that you will be unable to complete the required work. 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. For further information, please consult the university’s policy on academic consideration for student absences:

[https://www.uwo.ca/univsec/pdf/academic_policies/appeals/Academic_Consideration_for_absences.pdf](https://www.uwo.ca/univsec/pdf/academic_policies/appeals/Academic_Consideration_for_absences.pdf)

A student who needs a makeup for an Online Quiz should email the instructor, stating the reason for missing the quiz, as soon as possible after the quiz window closes. Please note that no makeups will be allowed for Quiz 6.

For students who receive Academic Consideration for a Term Test, the weight of that test will be shifted to the final exam. Students who need to be accommodated for the test due to a timetable conflict should contact Academic Counselling, and contact the Instructor to make alternate arrangements.

If you miss the Final Exam, please contact your faculty’s Academic Counselling Office as soon as you are able to do so. They will assess your eligibility to write the Special Exam (the name given by the university to a makeup Final Exam). You may also be eligible to write the Special Exam if you are in a “Multiple Exam Situation” (see [http://www.registrar.uwo.ca/examinations/exam_schedule.html](http://www.registrar.uwo.ca/examinations/exam_schedule.html)).
SENATE POLICY ON PREREQUISITES:
Prerequisite checking is the student's responsibility. Unless you have either the prerequisites 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 the following Web site:
http://www.uwo.ca/univsec/pdf/academic_policies/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.

SUPPORT SERVICES
Office of the Registrar
UWO http://www.registrar.uwo.ca
Brescia http://brescia.uwo.ca/academics/registrar-services/
Huron http://www.huronuc.on.ca/CurrentStudents/StudentLifeandSupportServices/AcademicResources

Student Development Services http://www.sdc.uwgo.ca/
Learning Skills Services http://sdc.uwgo.ca/learning/
USC http://westernusc.ca/yourservices/
Academic Calendar http://www.westerncalendar.uwo.ca/
WTS http://www.uwo.ca/wts/helpdesk

Students who are in emotional/mental distress should refer to Mental Health @ Western via the link given below for a complete list of the options about how to obtain help: http://www.uwo.ca/uwocom/mentalhealth/