

## Calculus 1301B - Winter 2013

### Instructors:

**Applied Mathematics:** R. Corless, N. Kiriushcheva, X. Lai

**Mathematics:** H. Bacard, B. Bryan (King's), S. Ditor, A. Eshmatov, M. Pinsonnault

**Textbook:** This is the same textbook as was used for Calculus 1000A and Calculus 1100A last term. Student Value Package: Single Variable Calculus with Early Transcendentals, 7th edition, with Student Solutions Manual, Vol. 1 by James Stewart, and Interactive Video Skill-builder CD-ROM and Enhanced WebAssign Access Code published by Thomson/Brooks/Cole (shrink-wrapped package).

**Web Page:** Information and announcements relevant to all sections will be posted on

<http://www.math.uwo.ca/~mpinson/index.php/teaching/calculus-1301b-2013/>

Individual instructors may have their own websites for the section they teach, and all such websites will be linked to the above webpage. For information specific to your section, please visit the corresponding website.

**Prerequisite:** A minimum mark of 55% in one of CALC 1000A/B or CALC 1100A/B

**Antirequisite:** CALC 1501A/B, Applied Mathematics 1413.

**Senate Policy on Prerequisites:** Unless you have either the requisites for this course or written special permission from your Dean to enroll in it, you will 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.

### Evaluation of student Performance:

- Midterm Examination: (35%) Friday March 1<sup>st</sup> 2013, 19:00 - 21:30.
- Final Examination: (50%) To be scheduled by the Registrar's Office (3 hours).
- Quizzes/Assignments: (15%) Quizzes and/or assignments will be described by your instructor. The marks in individual sections will be rescaled according to class performance for that section on the final exam in order to ensure that, overall, no section is advantaged (or disadvantaged) by having easier (or harder) quizzes or assignments.

**Course Outline:** This course continues from Calculus 1000A/B and 1100A/B. We will cover selected topics from Chapters 7-11 of Stewart. See the **List of Suggested Exercises** for more details.

**What is expected of the student:** Students are responsible for learning the material presented in lectures, for learning how to solve the suggested exercises, and for demonstrating that

learning on exams, quizzes, and/or assignments. For each hour of lecture, an average student should spend about 2 hours studying the material at home. This includes reading the relevant sections of the textbook and, above all, doing the exercises at the end of each section. Do as many of them as necessary to feel comfortable with the material. This course covers a lot of material, and is cumulative, so it will be necessary to work **regularly** throughout the term in order to do well. **Remember:** You understand the material if you can answer questions about it that you have not seen before. For this, it is important to understand the concepts. Remembering all the formulas is not enough. For example, remembering that the derivative of  $f(x) = x^2$  is given by  $f'(x) = 2x$  is *not the same* as understanding *what* the derivative of  $x^2$  *is* (for instance, the geometrical meaning of  $f'(x) = 2x$  is that the tangent line to the graph of  $f(x)$  at the point  $(x_0, x_0^2)$  is given by the equation  $y = 2x_0(x - x_0) + x_0^2$ ).

**Help Centers** The Department of Mathematics runs Help Centers from Monday Jan. 14 to Friday April 12. The schedule is Mondays through Fridays from 14:30 to 18:30 in MC 106. **Warning:** The Help Centers often get overcrowded during examination times. Work regularly and don't wait until the last minute to try problems and ask questions.

**Senate Regulations on Scholastic Offences (Plagiarism and Cheating):** Please note the following points, which are required to be stated in this outline by Senate regulations.

“Plagiarism: Students must write their essays and assignments in their own words. Whenever students take an idea, or a passage from another author, they must acknowledge their debt both by using quotation marks where appropriate and by proper referencing such as footnotes or citations. Plagiarism is a major academic offence (see Scholastic offence Policy in the Western Academic Calendar)”

“All required papers may be subject to submission for textual similarity review to the commercial plagiarism detection software under license to the University for the detection of plagiarism. All papers submitted for such checking will be included as source documents in the reference database for the purpose of detecting plagiarism of papers subsequently submitted to the system. Use of the service is subject to the licensing agreement, currently between the University of Western Ontario and Turnitin.com <http://www.turnitin.com>.”

**New 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 Deans Office 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 Deans 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 Records Release Form (located in the Deans Office) for visits to Student Health Services. The form can be found here:

<http://www.uwo.ca/univsec/handbook/appeals/medicalform.pdf>

**Exam Conflicts** Please see the University's policy on exam conflicts:

<http://www.uwo.ca/univsec/handbook/exam/conflicts.pdf>

Here are the first two paragraphs:

A student who is scheduled to write more than two examinations in any 23-hour period may request alternative arrangements through the office of the dean of their faculty.

A student who is scheduled to write two examinations concurrently must notify the Registrar so that arrangements may be made for both examinations to be written in the Examination Conflict Room in a sequence established by the Registrar.

Please also let your instructor know about the conflict, and read the entire University policy.

**Accessibility:** 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 ext. 82147 for any specific question regarding an accommodation.

**A note from the office of the Dean of the Faculty of Science** You are responsible for ensuring that you have successfully completed all course prerequisites and that you have not taken an antirequisite course. Lack of prerequisites may not be used as the basis of appeal. If you are not eligible for a course, you may be removed from it at any time, and will receive no adjustment to your fees. These decisions cannot be appealed. If you do not have the course prerequisites, and have not been granted a special permission to take the course by the department, it is in your best interest to drop the course well before the end of the add period. Your prompt attention to this matter will not only help protect your record, but will ensure that spaces become available for students who require this course for graduation.