

Western University, London, Ontario, Canada

## Calculus 1501 – Summer 2015

Departments Of Mathematics

- Description** This course is aimed at students who intend to pursue a degree in Mathematics, Applied Mathematics, Physics, Astronomy, Statistics, or Actuarial Sciences. Topics include: The Mean Value Theorem, techniques of integration, sequences and series, differential equations, parametric equations, and polar curves.
- Prerequisites\*** A minimum mark of 60% in one of Calculus 1000A or Calculus 1500A
- Antirequisites** Calculus 1301B, Applied Mathematics 1413
- Instructor** Rasul Shafikov  
Associate Professor, Department of Mathematics  
Office: Middlesex College, Room 112  
Email: [shafikov@uwo.ca](mailto:shafikov@uwo.ca) Office Hour: Mon, Thu, 9:30 - 10:30 AM
- Website** <http://www.math.uwo.ca/~shafikov/1501>
- Textbook** Required are *Single Variable Calculus: Early Transcendentals*, 7th Ed., by James Stewart (Brooks/Cole), along with the *Student's Solution Manual*. This is the same textbook that was used for Calculus 1000A in the fall and winter terms. Text and solutions were sold together as the "Student Value Package."
- Reading** At a minimum, students are expected to read the textbook and complete the exercises suggested on the course website. The topics we deal with in this course come from Chapters 4, 7-11 (not necessarily in that order). Students should consult the list of suggested exercises on the course website for more detail.
- Course Notes** Some topics will be covered in more detail than is available in the textbook. For these topics students are expected to consult the supplementary course notes available for free on the course website.
- Evaluation** Midterm Exam, 30%, , **July 24**, Location, time: TBA  
Quizzes, 30%, will be given on a daily basis  
Final Exam, 40%, scheduled by Registrar's Office

## ADDENDA

### **Quiz/Assignment Marks**

Quizzes, consisting of three problems, will be given 3-4 times per week, usually at the end of the class. Quizzes are multiple choice, but there is a penalty of one point for each incorrect answer. If the question is left unanswered, it is worth 0 points. The maximum score attained is 12 points. To avoid negative scores, each student begins with 3 points. Hence, the minimum score attainable is 0 points.

### **Calculator Policy**

Although the use of calculators will not be permitted during quizzes and exams, students are expected to have a reasonable facility in the use of their calculators.

### **Academic Accommodation Due to Illness or Other Serious Circumstances**

If you are unable to meet a course requirement worth 10% or more of your course grade due to illness or other serious circumstances, you must provide valid medical or other supporting documentation to the office of your faculty's Dean as soon as possible and contact your instructor immediately. It is student's 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 your the office of your faculty's Dean immediately.

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. For further information please see Student Services at

<https://student.uwo.ca/psp/heprdweb/?cmd=login>

### **Academic Integrity**

You should familiarize yourself with University of Western Ontario's Scholastic Offence Policy. The policy describes university's process for dealing with scholastic offences, including a list of sanctions:

<http://www.lib.uwo.ca/tutorials/plagiarism/>

The Office of the Ombudsperson produces a student guide on cheating, plagiarism and other scholastic offences:

<http://www.uwo.ca/ombuds/student/cheating.html>

**MENTAL Health Statement:** Students who are in emotional/mental distress should refer to Mental Health Western (<http://www.health.uwo.ca/mental health/>) for a complete list of options on how to obtain help.

**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 (519)661-2111 ext.82147 with any specific questions regarding an accommodation.

### **\*Note Concerning Prerequisites**

Unless you have either the requisites for this course or written special permission from your Dean to enrol 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.