

Syllabus  
Mathematics 2250, Calculus I  
11:00-12:15pm, Tuesday and Thursday, 10:10-11:00am Wednesday  
Room 222 Boyd Graduate Studies Building  
Fall 2008  
Professor: Elham Izadi

**Office:** Room 503 in the Boyd Graduate Studies Building

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**Book:** *University Calculus*, by Hass, Weir and Thomas, Addison Wesley.

**Office hours:** Wednesday 11:00-2:00. Please come to office hours if you have any questions or concerns.

**Help:** All kinds of help (free tutorial services, study halls, private tutors, etc) is available in the Math Department and on the campus. Please see the web site [http://www.math.uga.edu/undergraduate/student\\_services.html](http://www.math.uga.edu/undergraduate/student_services.html)

**Pre-requisite:** The prerequisite for this course is MATH 1113 or the permission of the Mathematics Department.

**Objective:** The objective of this course is to learn about derivatives, anti-derivatives and integrals, methods for computing them, sequences and series, and their applications.

**Tests and quizzes:** There will be a quiz every Thursday during the last 15 minutes of class except on test days. There will be one question on the quiz which will be chosen from the previous three class meetings' homework assignment (with different numbers). The two lowest quiz grades will be dropped. A missed quiz cannot be made up.

There will be three midterms in class.

- (1) Thursday September 18,
- (2) Thursday October 16,
- (3) Thursday November 13.

A missed test cannot be made up except with a valid documented excuse.

To prepare for tests, it is recommended to review the material covered in the lectures, to read the relevant sections of the book, redo the previous homework assignments and work out extra problems from the relevant sections of the book. You are encouraged to work together and explain the material to each other when preparing for tests.

**Final exam:** The final exam schedule has been posted by the University at [http://www.reg.uga.edu/or.nsf/html/Fall\\_Exam\\_Schedule](http://www.reg.uga.edu/or.nsf/html/Fall_Exam_Schedule)

As of now our exam is scheduled to be on Thursday December 11 from 12:00 to 3:00 pm. The exam will be in our usual classroom: room 222 Boyd. Sometimes the University has to make changes to the final exam schedule so it is good to check again closer to the end of the semester.

The Final Exam is cumulative and covers all the material in the course. It will slightly emphasize the part of the course after the third midterm.

**Solutions to the tests:** After each test (including the final exam), a complete set of solutions to the test will be posted outside my office.

**Grading:** Quizzes will count for 19% of the grade, each midterm will be 17%, the final exam will be 30%.

**Homework:** It is strongly advised to do all the homework as it is essential for understanding the material. Homework will be assigned at each class meeting and you should complete it before the next class meeting. Homework will not be collected. The answers to all homework problems will be at the back of the book.

You are encouraged to work with other students outside class time on the course material and the homework assignments. Most people work better discussing new material with other people and building on each other's ideas. Sometimes there is a temptation, when working with others, for each to do one part of the problem and not really look at what the other people did. This is not a good idea, since you need to understand all of the material. So please work with others and use the experience to learn from each other and bounce ideas off each other. Some homework problems will also be on tests.

Also, to boost your performance in the course, it is very important that you review the material of each lecture before the next lecture. When past material is fresh in your mind, you will be much more receptive to new material, will understand and absorb it better. In general, the more you review the better off you are. This is true for all disciplines but especially for mathematics since often one needs time to "assimilate" new material. This means that often, it is difficult to grasp the full meaning of a new mathematical concept right at the start. By periodically going back to that concept, you will have a better and better understanding of it and its consequences. You will know how to better use it.

**Academic honesty:** The University of Georgia recommends that the following be included in all syllabi. "All students are responsible for maintaining the highest standards of honesty and integrity in every phase of their academic careers. The penalties for academic dishonesty are severe and ignorance is not an acceptable defense."

The University's academic honesty policy can be consulted on the world wide web at <http://www.uga.edu/honesty/>

Sections 5 and 7 are of special importance.

During the tests and quizzes for this course, the use of any kind of student-to-student assistance, any table or list of formulae, numbers, theorems or mathematical statements, any unapproved calculator, computer or electronic device is prohibited and would constitute a violation of the University academic honesty policy.

Statement: The course syllabus provides a general plan for the course; deviations may be necessary.