

Syllabus
Mathematics 2300H, Calculus I with Honors
74th period: 12:30-1:45pm, Tuesday and Thursday
Fall 2004
Professor: Elham Izadi

Office: Room 503 in the Boyd Graduate Studies Building

Office phone: 542-2615

e-mail: izadi@math.uga.edu

Book: *Calculus, Early Transcendentals Version, 6th Edition*, C. Henry Edwards and David E. Penney, Prentice Hall.

Office hours: Monday 10:00-11:00 am, Tuesday 3:00-4:00 pm, Wednesday 11:00-12:00 pm.
Please come to office hours if you have any questions or concerns.

Study rooms: Monday, Tuesday, Wednesday, Thursday 3:00-5:00 starting the second week of classes, room to be announced.

Tutorial services (free): Milledge Hall, behind Memorial hall. 50 minute sessions by appointment. Call 542-7575.

Private tutors: You can obtain a list of tutors approved by the Mathematics Department in the Main Office of the Mathematics Department, room 452 Boyd GSRC.

Pre-requisite and co-requisite: The prerequisite for this course is MATH 1113 and permission of Honors. The corequisite is MATH 2200L.

Objective: The objective of this course is for the students to learn about derivatives, methods for computing them and their applications.

Tests: There will be three midterms in class.

- (1) Thursday September 9,
- (2) Thursday October 7,
- (3) Thursday November 11.

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.

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%. 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.

Quizzes: A missed quiz cannot be made up except with a valid documented excuse.

There will be a quiz every Thursday during the last 15 minutes of class time except when a midterm is scheduled. There will be one question on the quiz which will be chosen from the previous two class meetings' homework assignment.

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 suggests 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/ovpi/academic_honesty/academic_honesty.htm

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.