Instructor: D. Lorenzini **Math 2250**
Office: 406 Boyd Graduate Center,
Phone: 542-2578
Office Hours: Tu and Wed, 5:30-6:30
Text: *University Calculus*, by Hass, Weir, and Thomas, Addison-Wesley ISBN#0321350146.

Course objectives: I would like to help you develop your analytical skills, so that you become critical thinkers that can take on problems. First semester calculus, with its mix of real life applications, is prefectly suited to practice your analytical skills. This is not a 'where-do-I-plug-in' math course. I will expect you to understand how things work. Good analytical skills will be useful to you in other classes and in life. Later you will want to find a job where you are asked to 'think' and be creative; remember, if a job could be done by a machine, eventually a machine will be developed to do the job, and there won't be a job for the worker. So an employer will not be hiring you because you 'know-where-to-plug-in', but because you are able to use your knowledge, make inferences, and come up with creative ideas and interesting new processes.

Grading: The homework will count for 10% of the grade. Three 1-hour in-class tests will constitute 17% of the grade each. A 3-hour comprehensive final exam will constitute the remaining 39% of the grade.

Homework: Homework should be neatly organized and legible. This will save you some time at the end of the term when reviewing for the final. You should first work out the problems on scratch paper, and then write them down neatly. These homework assignments are like papers in any other course; **presentation** as well as **substance** counts. Turning in only the answers from the back of the book without showing your work will give you no credit. By turning in your homework, you implicitly certify that this work is your own, and that you have not copied any part of it from the work of a classmate.

- Please **staple** the homework that you turn in.

Academic Honesty: As a University of Georgia student, you have agreed to abide by the University's academic honesty policy, A Culture of Honesty, and the Student Honor Code. All academic work must meet the standards described in A Culture of Honesty found at: http://www.uga.edu/honesty. Lack of knowledge of the academic honesty policy is not a reasonable explanation for a violation. Questions related to course assignments and the academic honesty policy should be directed to the instructor.

Extra Help: Dot not hesitate to come to my office during office hours or by appointment to discuss a homework problem or any aspect of the course. Consider also the UGA tutorials: free tutoring, see

http://www.math.uga.edu/about_us/student_services.html

University Attendance Policy:

http://bulletin.uga.edu/bulletin/ind/attendance.html

Students are expected to attend classes regularly. A student who incurs an excessive number of absences may be withdrawn from a class at the discretion of the professor. In this class, 'excessive' means three or more absences.

Class attendance is required.

Syllabus: Motivation to learn Calculus: applied optimization problems in section 4.5.

Sections 1.1, 1.2, 1.3, 1.4, 1.5, 1.6 are review material
Sections 2.1, 2.2, 2,3, 2.4, 2.5, 2.6, 2.7
Sections 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 3.10
Sections 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8
Sections 5.1, 5.2, 5.3, 5.4, 5.5, 5.6

Tests (tentative): First test: 4th week. Second test: 9th week. Third test: 13th week.

Important dates:

Withdrawal Deadline, Thursday Oct. 22 (week 10).
8:00-9:15 class, Final Exam on Fri., Dec. 11, 8:00 - 11:00 am
11:00-12:15 class, Final Exam on Fri., Dec. 11, 12:00 - 3:00 pm

I look forward to an interesting and enjoyable semester with you.

The course syllabus is a general plan for the course; deviations announced to the class by the instructor may be necessary.