Syllabus for Math 2250
Fall 2010

Professor: Gordana Matic
Office: 321 A in Boyd Graduate Studies Building
Phone: (706) 542-2557
e-mail: gordana@math.uga.edu
Office hours: W 11:15 – 12:00 and 1:25– 2.:00 in my office
Textbook: Hass , Weir , Thomas : "University Calculus"
Final exam time: find it on the page http://www.uga.edu/mastercalendar/
by clicking on the appropriate Final Exam Dates link.

Pre-requisite and co-requisite: The prerequisite for this course is MATH 1113 or equivalent. All students are required to have a working knowledge of precalculus, including trigonometry.

Study Hall: You can get help from the math department graduate students (best free tutors on campus) for free in the MATHEMATICS STUDY HALL Monday , Tuesday Thursday 4:30-6:30 in room 302 in Boyd. You can find information about other services at http://www.math.uga.edu/about_us/student_services.html.

The goal of the course is to introduce the main ideas of differential calculus, and start on the integral calculus of functions of one variable. We will discuss limits, derivatives, differentiation rules, application in word problems and curve sketching, and basics of the theory of integration. We will cover chapters 2,3,4 and 5; more precisely the following:
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
We will mostly cover new material on Tuesdays and Thursdays and have a question-answer session on Wednesday.

Homework will be assigned at each class meeting. I will assign homework from the book, for you to practice, and some through WebWork – an online homework system. The class website for WebWork is:
https://webwork2.math.uga.edu/webwork2/Math2250_Matic_F10
The WebWork sets have due dates listed on the page. Homework assigned from the book will be collected periodically. Be prepared to hand in the HWK on Thursday, to contain problems assigned Wednesday of the previous week –Tuesday of that week

In class ask questions please. Many people find it intimidating to ask questions, but it is an important tool for learning- for the brave (and thus smart) one who asks, as well as for the others. If you do not understand something, usually there are other people in the class who do not either. It also helps me to do a better job of teaching. I do try to guess your

questions in advance and answer them before you ask, that is a part of my job as a teacher. But each class is different, and I cannot guess all the questions. So please ask them.

Tests: There will be three midterms in class about equally spaced (probably the Thursday of weeks 5,9,14) and a comprehensive final exam. I will announce the exact date of an exam a few days in advance. Tests will contain mostly problems just like the ones assigned for homework (book and Web). To prepare for tests, it is recommended to review the material covered in the lectures, to read the relevant sections of the book, re-do the previous homework assignments and work out extra problems from the relevant sections of the book. You are encouraged to work together when preparing for tests. Explain the material to each other: it is common knowledge among academics that one never really learns something until one can explain it to other people.

Grades: Each test will be worth 100 pts, the final exam will be comprehensive and worth 200 pts and homework will be worth 100 pts. So the total will be 600, from which we will calculate the percentage grade. The Final letter grades will be on the following scale:

average	grade
93-100	A
89-92	A-
87-88	B+
83-86	B
79-82	B-
77-78	C+
73-76	C
69-72	C-
60-68	D
< 60	F

Calculators: In Math 2250 my students are expected to work mostly without the use of calculators. Calculators can and will be used occasionally for harder numerical examples, and you are free to use them when doing homework if you get large cumbersome numbers you want to deal with quickly. However, on the tests and quizzes there will be no calculators allowed. Many calculators today can do many things I want you to be able to do yourself, and I do not want to get into policing of various kinds of calculators students should/should not have during tests. The numbers you will need to deal with while doing the problems on tests will not be so bad that you would not be able to do the problems by hand quite easily, and would really need a calculator.

The use of any calculator, computer or electronic device and any kind of student-to-student assistance, any table or list of formulae, numbers, theorems or mathematical statements (unless explicitly approved by me), is prohibited during the tests and would constitute a violation of the University academic honesty policy.

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: www.uga.edu/honesty. Lack of knowledge of the academic honesty policy is not a reasonable explanation for a violation.*

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