

MATH 2200

Calculus

Spring Semester 2008

Course Information:

Call Number: 70-808
Lecture: MWF 1:25 - 2:15 PM
Recitation: Tuesday 3:30 - 4:45 PM
Building 1003 - Physics - Room 221

Instructor:

Brandon Lee Samples
Office: 427 K Boyd Graduate Studies
Office Phone: 542-2781
Email: bsamples@math.uga.edu
Website: www.math.uga.edu/~bsamples
Office Hours: To be determined and posted online.

Course Objective:

This course will give everyone an introduction to differential calculus. We'll cover concepts including limits and continuity, learn the definition of a derivative and develop differentiation rules, learn important theorems such as the Mean Value Theorem, develop an understanding for max/min word problems including related rates problems, give some foundations for integral calculus, and look at an abundance of business and science applications. A portion of your success in this course comes from putting in a sufficient amount of effort and from a willingness to ASK questions. This course will require that you keep up with the concepts from lecture as well as the homework problems without getting behind. You will be required to display both an understanding of the material at a computational level, as well as understanding some of the proofs of concepts that will be given. This balance of computation and theory is an important part of the course and will be required to earn an A. This course usually punishes those who are last minute cramers and those who are weak in precalculus (a prerequisite), so keep this in mind for your studying.

Important Note:

This is a terminal one semester course. Those students who wish to major in engineering, a mathematical science, or a physical science, or who need another calculus course should take the 2250/2260 calculus for science and engineering sequence. There are circumstances in which an A student in 2200 can later choose to take 2260 with some preparation and consultation with the Associate Department Head, but this shouldn't be the primary course of action if you know you need more advanced math courses. More information can be found at the following website:

<http://www.math.uga.edu/~curr/LowerDivision.html>

Course Text/Materials:

Calculus with Analytical Geometry, "Early Transcendentals Version," Custom Edition, by Edwards & Penney, 2003, Prentice Hall.

Attendance:

I am pretty good at learning names and noting those students with excessive absence. Any student who misses more than five days throughout the semester can be automatically withdrawn from the course. It makes no difference to me whether your particular absences should be considered excused or unexcused.

Withdrawals:

Midpoint withdrawal deadline is Tuesday, March 4, 2008, which means that this is the final day that you may withdrawal from the course with the possibility of getting a W in the course. After this day, you may only receive a WF in the course, which does impact GPA. Do not assume that if you withdrawal from the course before the midpoint deadline that you will receive a W. It will only follow if you have given sufficient effort up to that point!

Grading:

Tests - There will be 4 in-class 50 minute exams and will be taken without the use of any calculators. Each exam will count **15%** of your grade and, in total, for **60%** of your grade.

Test Dates:

Test 1 - 01/30/2008

Test 2 - 02/27/2008

Test 3 - 04/02/2008

Test 4 - 04/23/2008

Final - There will be a comprehensive final exam given Wednesday, April 30, 2008 from 12:00 to 3:00 PM. This will count for **25%** of your grade and is also taken without the use of any calculators.

Online Homework - There will be a sequence of online homework assignments that will be taken using an online program called WebWork. After class roles are completed, I will import everyone into the system and will place a link to WebWork on my website. These assignments will be given out approximately weekly and will have clear due dates and times listed for the assignments. You will have as many chances as you need to complete the homework up until its due date, which will allow for you to become familiar with the system. In other words, there is no excuse for getting anything less than 100% credit. WebWork behaves very much like a graphing calculator and is considered very user friendly, so get started with it as soon as it's available. This will count for **5%** of your grade.

Quizzes - There will be a sequence of quizzes/assignments given throughout the semester. They will be announced and generally take place during our recitation session, but you must be in class to hear that announcement. This will count for the final **10%** of your grade and as expected, will be taken without calculators. I will drop the two lowest quiz grades and the quizzes will be loosely based on the homework assignments. There will be no make-up quizzes.

Honesty Policy:

Students will be required to abide by the University's honesty policy at all times throughout the course. You are encouraged to seek help from me and from your peers throughout the semester, but your work to be submitted must be done entirely by yourself. Any violations of the honor code will be dealt with aggressively. Please refer to the university's policy at the address below discussed in a pdf file and remember ignorance is not an acceptable excuse:

<http://www.uga.edu/~ovpi/honesty/ah.pdf>

Disability:

If you have a disability and would like to request classroom accommodations, please see me after class to make an appointment during office hours.

Student Services:

Note that a few services including open lab times, tutoring services, and the corresponding information can be found at the following link:

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

Note: This syllabus may be changed throughout the semester if deemed necessary at a later date