

MATHEMATICS 2260: CALCULUS FOR SCIENTISTS AND ENGINEERS II

Spring Term 2009

Instructor: Prof. Matthew Smith **Class Hours:** TTh 9:30-10:45, Boyd Graduate Studies 222
Office: Boyd Graduate Studies 637A F 10:10-11:00, Boyd Graduate Studies 302
E-mail: msmith@math.uga.edu **Office Hours:** T 10:45-11:45, Th 12:00-1:00, F 11:00-12:00
(subject to change)

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

Course Syllabus: www.math.uga.edu/undergraduate/MATH2260.pdf (case sensitive). Note that we will not be following this syllabus too rigorously, but it will give you a good idea of which sections of the course we will be covering, how long we will be spending on each section, and some sample homework problems from each section to work on in your own time.

Quiz policy: We will have a short quiz (10-15 minutes) at the beginning of lecture every Friday *except* during exam weeks. Each quiz will be over the material covered up to and including the end of the previous Tuesday's lecture. There are no makeup quizzes, but your lowest quiz score will be dropped from your final mark.

WeBWorK: The WeBWorK homepage is at webwork.math.uga.edu. (And if you know why they capitalise the B and the K in the name, please tell me.) Although you are encouraged to do the sample problems from the textbook listed in the syllabus, you are not required to do so. However, you *are* required to do the online homework, the problems in which are in a fairly similar vein to those in the textbook. You will receive an e-mail containing login information and an initial password which will allow you to access the homework sets as they become available. A homework set for a given section or set of sections will be made available at the end of the lecture in which the section is discussed, and you will have one week to complete the set. (Note that this means there may be multiple sets open simultaneously.) The set will close thirty minutes before the beginning of the following week's lecture, and the answers will be made available at the end of the lecture.

Exams: There will be three in-class mid-term exams and one final exam for the course, to be held on the following dates.

Mid-term 1: Friday 6 February, 10:10-11:00 **Mid-term 2:** Friday 6 March, 10:10-11:00
Mid-term 3: Friday 10 April, 10:10-11:00 **Final:** Thursday 7 May, 8:00-11:00

The mid-term exams will cover *only* the material covered since the previous exam (or, in the case of the first exam, since the beginning of the term), although you should certainly be familiar with the material covered on previous exams given that topics covered later in the course build on those covered earlier in the course. The Thursday lecture preceding each mid-term exam will be set aside for a review session, as will any lectures remaining after the last sections covered on the final exam have been presented. The final exam is *cumulative*, although particular emphasis will be given to topics covered since the third mid-term exam.

Final marks: The breakdown of your final mark in this course will be as follows:

Quizzes: 10% **WeBWorK:** 15% **Mid-terms:** 15% each **Final:** 30%

Your final marks will *not* be given on the straight 90-80-70-60 scale, but rather will be curved. Moreover, the curve will be determined *only* by the final marks of the students in our section rather than by those of students across all sections of Mathematics 2260.