

Math 212 Section 3

Rice University, Spring 2006

Meetings: Tuesday, Thursday 9:25-10:40 am
Location: SH 301
Textbook: *Vector Calculus, 5th edition*
Marsden and Tromba
Instructor: Theron J Hitchman
Contact Info: x2372, 408 Herman Brown Hall
theron@math.rice.edu
<http://www.math.rice.edu/~theron/Math212/index.html>
Office Hours: Tuesday and Thursday 11am-noon , Wednesday 3-4 pm.
and by appointment

Description This class is an introduction to the basic techniques and applications of calculus in more than one variable. We shall cover nearly all of the text book. We shall discuss the basic ideas of calculus in the context of functions with several inputs and several outputs. There is a serious consideration of the extra complexity allowed in larger dimensions, and we shall need to develop some visualization skills (or replacements for them).

Exams There will be three midterm exams and a final exam. These will be fixed time take-home exams. More details on this later. Exams will be common to all sections.

Homework Homework is weekly and due on Friday at 1pm. Homework can be turned in during class or left in the assignment box outside of my office. No late homework will be accepted. The lowest homework score of the term will be dropped. I encourage you to work together on homework assignments. Each student is required to write out their own assignment for grading, however. The **most effective way to learn** mathematics is to work on homework each day on your own *and* to discuss it often with others.

Grading Course assessment will be based on performance in the exams and homework as follows: midterm exams 20% each, homework 10% and final exam 30%.

Extra Help Besides class meetings and my office hours, the math department will run evening help sessions for this course. These will be administered by graduate students. More information will follow. Also, most colleges offer advising by older students, and the University Advising department has many helpful resources.

Accommodations Any student with a disability requiring academic accommodations should speak with the instructor during the first two weeks of class to make arrangements. Additionally, these students should contact Disability Support Services in the Ley Student Center.