

**Math 232 Spring 05**

Section B,  
MWF 9:00am  
Science 112

**Professor:** Andrew Diener  
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**OFFICE:** 103F Science  
**OFFICE HOURS:** 1-5pm MTWR.

**TEXT:** *Multivariable Calculus, 3rd edition* by Hughes-Hallett, Gleason, et al.

**COURSE CONTENT:**(by catalog) Algebra of vectors in a plane and in space; the calculus of vectors; vector functions; basic concepts of multivariable calculus; partial derivatives; multiple integrals. Offered in Fall and Spring. One semester, three credits. Prerequisite: MATH 231.

**CALCULATOR:** You must use a graphing calculator, preferably a TI-89, on assignments and occasionally on tests. We will also use Maple on some occasions.

**HOMEWORK:** A list of suggested homework problems will be given for each section covered. I do expect that you will attempt *all* homework problems. I will grade some, though not all, of these problems. We will spend some class time in groups working on these problems. Homework will account for 7% of your final grade. (50 pts)

**QUIZZES:** There will be quizzes every week. These quizzes will be very short (approx. 10-15 min.) and will come almost directly from the homework. Each quiz will be worth 10 points and I will count 10 of them. Since I plan to give many of these quizzes (at least 12) I will drop the extra ones. This does mean that quizzes cannot be made up. Quizzes will count for 14% of your final grade. (100 pts)

**TESTS:** There will be three in-class exams, each exam worth 100 points, and a comprehensive final exam worth 150 points. **I will not curve your test grades.** If you miss a test for any reason, you need to notify me **no later** than the day after the test to set up a time for a make-up.

**PROJECTS:** I strongly encourage students to work together when studying mathematics (except on exams!) and to further this goal there will be several group projects during the course of the semester. These projects will be discussed at the time they are assigned.

**ATTENDANCE:** Attendance is the responsibility of the student. I will not take roll. However, quizzes cannot be made up, and exams will be made up only in the case of an excellent excuse.

**GRADING:** 100-90%=A, 90-80%=B, 80-70%=C, 70-60%=D, 60% and below is an F.

**SCHOLASTIC DISHONESTY WILL NOT BE TOLERATED!** You are responsible for doing your own work. Any violation of this principle will result in a zero grade on the work in question.