

Math 232 Summer II 2005

Section Z, 8:30am

Science 112

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OFFICE HOURS: noon-2pm 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 10% of your final grade. (50 pts)

QUIZZES: There will be quizzes at least every other day. 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 ten of them. Since I plan to give many of these quizzes (at least twelve) I will drop the extra ones. This does mean that quizzes cannot be made up. Quizzes will count for 16% of your final grade.

TESTS: There will be two 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.

SCHEDULE: We will spend three classes on sections 12.1-5, then another three or so on chapter 13. We will spend a few days on the beginning of chapter 14 and then we will have the first exam. Tentatively, Wednesday or Thursday July 21 or 22. The next 4 or 5 class periods will be spent Chapter 14 and looking at two sections of 15. We will finish the semester on chapters 16 and 17 though I do hope to at least introduce the first two sections of 18. The second Exam will be around Aug 5 or 6. The final exam is Friday August 13.

GRADING: 100-90%=A, 90-79%=B, 79-68%=C, 68-57%=D, 57% 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.