

Math 105 Fall 2006
Section 1,
TR 5:15-7:55pm Science 112

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

TEXT: *Finite Mathematics and Applied Calculus* by Frank C. Wilson.

COURSE CONTENT: The course contains introductory topics in mathematics for students in arts and business. Topics include lines, linear systems, matrices, linear programming, and introduction to counting, functions, polynomial, exponential and logarithmic models, financial math. (Prerequisite: Math 100 or Math 103 or passing a placement test)

CALCULATOR: You must have access to the TI-83+ or TI-84+ graphing calculator on assignments and for part of each test. Tests will generally be in two parts, one with calculator and one without.

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. Any homework **must** be turned in using the proper format and on time. NO late (or incorrectly formatted) homework will be accepted. Homework will account for ~8% of your final grade. (100 pts)

QUIZZES: There will be quizzes every 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 10 of them. Since I plan to give many of these quizzes (at least 11, hopefully 12) 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 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.

SCHEDULE: We will spend about two days on chapter 1 (Functions and Linear Models) then another two or three on Chapter 2 (Systems of Linear Equations). The first exam will cover these two chapters and be on Nov. 7. We will spend a little time in Chapter 4 (Linear Programming) but most of our time will be spent on Chapter 5 (Nonlinear Models) and Chapter 6 (Mathematics of Finance). The second exam will be Nov. 21 or Nov 28 and will cover 4.1, 4.2, 5.1-3. The third exam will be Dec. 12. The final is Sat. Dec. 16 at 1:30pm.

Math Center: There are students available to help you understand the material in this course. The Math Center hours of operations are: M, T, W, R: 8:30 am - 2:00 pm; 4:30 pm - 5:30 pm; 7:15 pm - 9:15 pm. Friday: 8:30 am - 12:00 pm. Sunday: 6:15 pm - 9:15 pm. The Math Center operates in S116 for the times between 8:30 am and 2:00 pm and in S151 for the others. Check the Math Center webpage at <http://www.cbu.edu/sciences/mathCenter/mathCtr.html>

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.