

Math 131 Fall 2006

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OFFICE: 103F Science
OFFICE HOURS: 1-5pm MWF and 12-2pm TR.

TEXT: *Calculus, 3rd edition* by Robert T. Smith and Roland B. Minton

COURSE CONTENT:(by catalog) The goals of the course are to teach the student important concepts of calculus and its applications. Topics include functions, the derivative and its interpretations, the definite integral and its interpretations, the Fundamental Theorem of Calculus, rules of differentiation, applications of the derivative and antiderivative. Three lectures and one laboratory period per week. One semester; three credits

CALCULATOR: You may use a graphing calculator, such as the TI-89, on assignments and occasionally on tests. Tests will sometimes be in two parts, one with calculator and one without, but usually you will be able to use the calculator throughout.

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, I will discuss formatting in class) homework will be accepted. Homework will account for 10% of your final grade. (100 pts)

QUIZZES: There will be quizzes once a week or so. These quizzes will be very short (approx. 10-15 min.), usually on Friday, 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 10% of your final grade. (100 pts)

TESTS: There will be four 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.

LABS: I strongly encourage students to work together when studying mathematics (except on exams!). In our weekly lab sessions we will be splitting up into groups and working on

projects as a group. I encourage you to use those (or other) groups as a study tool. Each lab will be worth somewhere between 30 and 60 points. Your total lab grade at the end of the semester will count as two test grades or 20% of your overall grade.

WEBCT: Much of differentiation involves rote drill (that is, practice, practice, practice [THE HORROR!]). There are online exams that will aid you in this process. You will need to go to <http://webct.cbu.edu>, where you will login with your (cbu) e-mail name and password. There are a total of 7 tests. You may take each test an unlimited number of times but only during a specific period of time. This period will normally be two weeks long. Each test is worth 10 points to you but to earn those 10 points you will need to make a 90% on that exam.

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: See separate sheet.

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.