

**Math 117 Fall 2009**

Section C,

MWF 11:00-11:50pm Cooper-Wilson 320

**Professor:** Andrew Diener  
**PHONE:** 321-3452  
**Home Page:** <http://www.cbu.edu/~adiener>  
**E-MAIL ADDRESS:** [adiener@cbu.edu](mailto:adiener@cbu.edu)  
**OFFICE:** Cooper Wilson 315  
**OFFICE HOURS:** 2pm-5pm MTWR.

**TEXT:** *Contemporary Precalculus: A Graphing Approach*, fifth edition, T. Hungerford, Saunders College Publishing Company.

**COURSE CONTENT:** The goal of the course is to teach the student the basic concepts of college algebra and trigonometry. Topics include elements of algebra, quadratic equations, word problems, functions, graphs, exponential and logarithmic functions, right triangle trigonometry and trigonometric functions. The course stresses problem solving by the student with a specific type of graphing calculator. Prerequisite: Math 101 or equivalent.

**CALCULATOR:** You must have access to the TI-89 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. (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 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.

**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 a day or so on lines and systems of lines. The next week will be spent on graphs, graphing technology and solving equations. Next we will spend a few weeks on polynomials followed by a few weeks on exponential and logarithmic equations. The last seven or eight weeks will be spent on trigonometry.

**Math Center:** There are students available to help you understand the material in this course. The Math Center hours of operations will be announced late in the first week of class or early in the second week.

**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.