ECON 1088 -- Mathematical Tools for Economics II

Instructor: Billy Mertens
Class: M,W,F 2:00-2:50
Office: ECON 309A Room: Geol. 311
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Introduction: This is a continuation of ECON 1078. It will teach you calculus tools that you can use in your economics courses. It will cover derivatives, which show how a change in one variable affects another variable. You will also learn how to use derivatives to do optimization. The class then covers integrals. These are useful for calculating areas, probabilities, and growth phenomena such as the world population or your savings account.

Prerequisite: ECON 1078 or instructor's approval.


Homework: Homework will be assigned during each class. It is a vital part of learning calculus and its applications. Homework will be collected at random and the answers to random problems will be graded. No late homework assignments will be accepted. You may work with each other, but your answers must be written individually to be sure that you understand, and get credit for your homework. Some class time will be set aside to do and go over homework assignments.

Grading:
Homework 10%
Quizzes 15% (quiz dates: 1/27, 3/3, 4/14)
Exam I (2/15) 25%
Exam II (3/17) 25%
Exam III (4/30) 25%

Exams will cover problems which will resemble those done in class and given on homework assignments and quizzes. If there is enough demand, optional review sessions can be scheduled before each exam.

Office Hours: If my office hour times are not good for you we can make an appointment. You can also reach me at home if necessary: 473-0461.