Instructor: Billy Mertens  
Office: ECON 309A  
Office phone: 492-8771  
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Class: Everyday 11:00-12:35  
Room: Econ 117  
Office hours: MWTh 10-11

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 daily. It is a vital part of learning calculus and its applications. Homework will be collected and at least twice a week 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.

Grading:  
Homework 25%  
1st exam (July 18) 25%  
2nd exam (July 30) 25%  
3rd exam (Aug. 8) 25%

Exams will cover problems which will resemble those done in class and given on homework assignments. 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.