ECON 1088-200 Syllabus

Econ 1088: Math Tools for Economists II

Summer 2006

Instructor: Lei Yang
Class Hours: MTWRF 11:00-12:35
Class location: ECON 119
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The web page is the most important resource for this class. All notes, homework, answer keys are going to be posted on this site.

Course Description:
This course is a continuation of Econ 1078. Basically, it consists of two parts: derivatives and integrals (chapters 9-11 of the text). These tools will help you to better understand the mathematical framework on which economic models are based.

Prerequisite:

them.

Exam Schedule:

	Date
Exam1(In-class)	July 21, 2006
Exam2(In-class)	July 28, 2006
Exam3(In-class)	August 4, 2006
Final Exam(In-class)	August 11, 2006

Grading:
Homework: 15 points
In-class Exam1: 25 points
In-class Exam2: 25 points
In-class Exam3: 25 points
Final Exam: 35 points

1) Each in-class midterm is worth 25 points (I will drop the lowest in-class midterm grade). There will be **no make-ups**.

2) The Final is **compulsory** and **cumulative**. The final is worth 35 points. It cannot be replaced with any other exam under any circumstances. You can only rearrange your final if you have **three or more** finals on the same day.

Topics covered in the course include (Tentative Course Outline):
Chapter 9 The Derivative:
9-1 Introduction to Limits
9-2 Continuity
9-3 The Derivative
9-4 Power Rule and Basic Differentiation Properties
9-5 Derivatives of Products and Quotients
9-6 General Power Rule (Chain Rule)
9-7 Marginal Analysis in Business and Economics
Chapter 10 Graphing and Optimization:
10-1 First Derivative and Graphs
10-2 Second Derivative and Graphs
10-3 Graphing Rational Functions
10-4 Absolute Maxima and Minima
10-5 Optimization
Chapter 11 Additional Derivative Topics:

lying, bribery, and threatening behavior.   All incidents of academic misconduct shall be reported to the Honor Code Council (honor@colorado.edu; 303-725-2273). Students who are found to be in violation of the academic integrity policy will be