ECON 1078 Mathematical Tools for Economists I

Summer 2006 – Term B

Instructor: Mei Yuan Class Time: MTWRF 11:00am-12:35pm

Office: ECON 12A Classroom: HLMS 267

Office Hours: TR 1-3pm

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Class Website: http://ucsu.colorado.edu/~yuanm/teaching.htm

Course description:

This course provides an introduction to fundamental mathematics, which are essential to understanding economic theories. It is the first course in a two-course sequence. We will start with a review of some basic algebraic operations. Then we will cover functions and corresponding graphs. Finally the introduction to calculus theory will be presented.

Textbook:

College Mathematics for Business, Economics, Life Sciences, and Social Sciences, 10th edition, by Raymond A. Barnett Michael R. Ziegler, and Karl E. Byleen.

Course requirement, grading and exam policies:

There will be in-class quizzes, three midterm exams, and a mandatory **comprehensive final exam**. Your course grades will be determined as follows:

In-class Quizzes15 pointsMidterm Exam 115 pointsMidterm Exam 215 pointsMidterm Exam 315 pointsFinal40 points

Quiz – Quizzes are scheduled each Wednesday (except the first one). Each takes 3 points.

Midterm and Final –As a general rule, there will be **no makeup exams or exam rescheduling.** The final exam is compulsory and cannot be replaced with any other exam under any circumstances. You can find the practice exams and solutions on the class website.

Your grade will be assigned based on the following scale:

Average Points	93-100	90-92	87-89	83-86	80-82	77-79
Grade	A	A-	B+	В	B-	C+
Average Points	73-76	70-72	67-69	63-66	60-62	0-59
Grade	С	C-	D+	D	D-	F

Schedule:

Date	Chapter	Topic	Quiz/Test
7/11	A-1	Algebra Basics	
7/12	A-2 A-3	Polynomials	
7/13	A-4	Rational Expression	
7/14	A-5	Integer Exponents	Quiz 1
7/17	A-6 A-7	Radicals & Equations	
7/18	1-1 1-2	Functions, Graph Transformation	
7/19	1-2 1-3	Lines	Quiz 2
7/20	1-4	Quadratic Functions	
7/21		Mid 1	

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