SYLLABUS

MATHEMATICAL TOOLS FOR ECONOMISTS - I
(ECON 1078)

Instructor: Haizheng Clifford Li
Office: ECON 309B
Phone: 492-6237
Email: hhli@spot.colorado.edu

Class: 2:00pm - 2:50pm MWF
Class Room: Muen E0046
Office Hours: MF 3:00pm - 4:30pm or by app.
Fall 1996

1. INTRODUCTION:
Mathematics is a language developed for expressing and analyzing quantitative issues. This class, and its sequel ECON 1088, will teach you mathematical tools that you will use in your economics and some other classes, and in your every day life. The class will give you practice in logical thinking. The material of this class will cover Algebraic operations, Systems of linear equations, Matrices, Linear programming and basic Statistics.

2. TEXTBOOK:
Raymond A. Barnett and Michael R. Ziegler,

3. COURSE OUTLINE:
Chapter 1: Basic Algebraic Operations
Chapter 2: Equations, Graphs, and Functions
Chapter 3: Exponential and Logarithmic Functions
Chapter 4: Mathematics of Finance
Chapter 5: Systems of Linear Equations; Matrices
Chapter 6: Linear Inequalities and Linear Programming
Chapter 7: Probability

4. HOMEWORK:
Doing homework is the best and the necessary way to learn the material. Homework will be assigned in every class. All homework will be collected. Part of homework will be graded. You are encouraged to work with each other. Later homework will not be accepted.

5. QUIZZES AND EXAMS:
Quizzes will be given at the beginning of some classes. There will be two mid-term exams and one final exam. No make-up quiz and exam will be allowed.

6. GRADING:
   Homework: 20%
   Quizzes: 15%
   Mid-term I: 20%
   Mid-term II: 20%
   Final Exams: 25%