SYLLABUS
MATHEMATICAL TOOLS FOR ECONOMISTS - I
(ECON 1078)

Instructor: Haizheng Clifford. Li
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Class: 12:45pm - 2:20pm daily
Class Room: Gugg 205
Office Hours: MF 2:20pm - 3:50pm or by app.
Summer 1996 - term B

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. Daily homework will be assigned. All homework will be collected weekly. Part of homework will be graded every week. You are encouraged to work with each other. Later homework will not be accepted.

5. QUIZZES:
Quizzes will be given at the beginning of some classes. No make-up quiz will be allowed.

6. EXAMS:
Mid-term I: July 18, Thursday.
Mid-term II: July 29, Monday.
Final Exam: Aug. 9, Friday.

7. GRADING:
Homework: 25%
Quizzes: 10%
Mid-term I: 20%
Mid-term II: 20%
Final Exams: 25%