Econ 1078-100
Mathematical Tools for Economics I
Spring 2001

Time: MWF 12:00-12:50
Instructor: Aaron Strong
Office Hours: T,R 12:30-1:30, M,W 1-2 (or by appointment)

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Course Description:
This course is meant to give you the beginning tools that you will need to further your development as an economist. It is the first course in a two course sequence. The course will be divided into two parts. The first will provide you with some preliminaries such as algebraic operations, equations, graphs and functions, and the exponential and logarithmic functions. In the second, we will focus on additional, more useful tools in economics such as systems of linear equations, matrices, linear inequalities and linear programming. After completing this course you will be prepared to take the second course in the sequence that will focus mainly on the Calculus. After completing this sequence you will have the tools to better understand the mathematical framework which is the language of economics.

Text:
Required: Essential of College Mathematics, 3rd edition, by Raymond Barnett and Michael Ziegler

Grading:
There will be three exams and a cumulative final exam. Each hourly exam will be worth 15% of your final grade. The final will be worth 30% of your grade. The rest of your grade will come from quizzes usually at the end of each chapter that there is not a test. Pop quizzes may also be given if I do not feel you are keeping up with the material.

Homework:
You are expected to work on the assigned problems carefully and thoroughly, and are encouraged to form study groups with your classmates. It will not be graded but you can expect that some of the questions for quizzes and tests will come directly off the homework. I will assign homework in class as well as put it on the web when it is assigned.

General Policies:
It is the students’ responsibility to take control of their own education. If you are having problems, I am more than willing to help you, you just need to approach me at some point. NO MAKEUP EXAMS WILL BE GIVEN. If you miss an exam you will be given a zero. The final is cumulative and mandatory. The economics department will make reasonable accommodations for persons with documented disabilities. Students must notify the instructor within the first two weeks of the semester with documentation. If you suspect a learning disability, you are encourage to contact Disability Services at Willard Hall, Room 322.