Econ 1078-100  
Mathematical Tools for Economics I  
Summer 2001

Time: Everyday 11-12:35  
Classroom: Econ 117

Instructor: Aaron Strong  
Office: Econ 307
Office Hours: After class and by appointment  
Phone: 492-7617
E-mail: Aaron.Strong@colorado.edu (best way to get in touch with me)

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 5 exams during this summer school session. They will be on the Friday of every week. Each test will cover everything from that week that we get through until Thursday. I will base your grade on the best 4 out of 5 of these exams with the stipulation that you must take the 5th exam. If you do not take the 5th exam you will automatically receive an F. The reason for this grading is that you as well as I would like to take 3 day weekends in the summer and therefore if some unforeseen event happens that calls you away on a Friday (camping and climbing are good excuses) you may miss one exam except the last one. Also, the first half of Friday’s class will be spent reviewing for the exams.

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

http://ucsub.colorado.edu/~strongaa/syllabus.html  
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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 encouraged to contact Disability Services at Willard Hall, Room 322.