Required Textbook:

Essential Mathematics for Economic Analysis, 3rd edition,
Knut Sydsaeter and Peter Hammond (This textbook is a good reference book for mathematics and also will be used for ECON 1088.)

Calculator:

As this course is designed to teach mathematical techniques, you will need a calculator that can perform basic mathematical functions. These include exponentials, logarithms, radicals and factorials (log, ln, e^x, $\sqrt[n]{x}$ and x!). Any basic scientific calculator will perform these functions. While a graphing calculator may be useful in doing some of the homework problems, **you cannot use a graphing calculator on the exam.**

Grading:

The scores for the course will be based on the standard scale:

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

Your grade will come from the following breakdown:

Quizzes	10%
Homeworks	10%
Midterm Exam 1	20%
Midterm Exam 2	20%
Cumulative Final	40%

Quizzes:

There will be a total of six in-class and closed-book quizzes given during the

normal classroom. If you have three final exams scheduled for this day, and this is the last of your exams, you can take the final on another day.

Tentative Course Schedule and course outline:

This schedule is subject to change if necessary. Any scheduling will be announced in class and posted on the class webpage.

Week of	Course Material	Topics	Quiz/Exam
1/11	1.1, 1.2, 1.3, 1.4	Algebra Basics	
1/18	1.5,1.6,	Fractions and Inequalities	
1/25	1.7, 2.1, 2.2,	Simple Equations	Quiz 1
2/1	2,3, 2.4, 2.5	Radicals, Equations in One Variable	Quiz 2
2/8	Midterm 1	Midterm Review	Midterm 1 (2/10)
2/15	3.1, 3.2, 3.4, 3.5,	Summation, Logic	
2/22	3.6, 3.7, 4.1	Set Theory, Functions of One Variable	Quiz 3
3/1	4.2, 11.1, 4.3, 4.4	Linear Function, Functions of Two Variables	
3/8	4,5, 4.6, 4.7	Quadratic and Polynomial Functions	Quiz 4
3/15	4.8, 4.9, 4.10,	Power, Exponential and Logarithmic Functions	
3/22		No class (Spring Break)	
3/29	Midterm 2	Midterm Review	Midterm 2 (3/31)
4/5	5.1, 5.2, 5.3	Shifting Graph and Inverse Functions	
4/12	5.4, 5.5, 5.6	Graphs, Distance, General Function	Quiz 5
4/19	6.1, 6.2, 6.3	Slope of Curves, Derivative	

behavior includes, but is not limited to, reading the newspaper or magazine, working on your laptop, working on homework or reading for other classes, talking to classmates, listening to headphones, text messaging, playing with your pets, etc.

Expectations of Classroom Behavior:

Students and faculty each have responsibility for maintaining an appropriate learning environment. Students who fail to adhere to behavioral standards may be subject to discipline. Faculties have the professional responsibility to treat students with understanding, dignity and respect, to guide classroom discussion and to set reasonable limits on the manner in which students express opinions.
See polices at