

ECON 1078-004 Math Tools for Economists I

Fall 2010

Instructor	Kyungsoo Oh
Class Meetings	MWF 12:00-12:50, RAMY N1B23
Email	kyungsoo.oh@colorado.edu This is the best way to contact me. I have 46 hours, and you are highly encouraged to come to my office hours with prepared questions.
Office	ECON 307
Office Hours	Mon 1:30-3:00 and Thu 2:00-4:00 Office hours are held for your benefit. You are highly encouraged to come to my office hours with prepared questions.
Course Websites	The course website is opened on <i>CUlearn</i> where you will go to find general information and updates. http://www.colorado.edu/economics/courses/ECON1078/1078home.html This is the web page developed by all Econ 1078 instructors. You can find homework and exam problems from previous semesters here.

Course Description and Objectives

The goal of this class is to provide students with the mathematical tools needed for future courses in business and economics. We will cover polynomials, functions, solving systems of equations, logic, probability, and differentiation.

Textbook

Essential Mathematics for Economic Analysis, 3rd edition, by Knut Sydsater, and Peter J. Koopman. This is a very good reference book, which you may use in the future to refresh your knowledge of algebra and calculus. I will highly recommend that you have this book (or the 2nd edition) but I will not assign problems to be turned in. The practice problems that I will suggest come from the 3rd edition.

Calculator Note

Grading

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

93-100%	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+	below 60%	F

Your grade will come from the following breakdown:

15%	Quizzes (4 scores out of 5)
15%	Problem Sets (5 problem sets)
25%	Exam 1 (Chapters 1 and 2) - Wednesday, September 22 nd
25%	Exam 2 (Chapters 3 and 4) - Wednesday, November 3 rd
30%	Final Exam (Cumulative) - Wednesday, December 15 th

Quizzes

There will be a total of five quizzes given during the semester. The lowest of your quiz score will be dropped. *There will be no makeup quizzes given.*

Problem Sets

For each chapter, I will suggest a list of problems from the book that will be good practice for the exams and quizzes. These problem sets should be handed in before starting the next class. Please be on time. You should show all your work to get the answer for each problem.

Exams

We will take a total of three exams in this course. The midterm exams will be held on Wednesday September 22nd and Wednesday November 3rd. These exams will be held during the normal class time. If you miss a midterm exam, the weight of that exam will carry over onto the final. The final exam will be held on Wednesday December 15st from 1:30 p.m. to 4:00 p.m. The final exam will be cumulative.

Attendance

Although there is no grade for attendance, attendance and class participation will be duly noted. To receive a passing grade, you are required to attend a minimum of 80 percent of the lectures. A sign-in sheet will be circulated during each class, and it is your responsibility to make sure that you have signed in by the end of class. Then, if attendances will be less than 80%, your grade is automatically F.

Tentative Course Schedule

Week of	Course Material	Topics	Quiz/Exam
Aug. 23 rd	1.1, 1.2, 1.3, 1.4	Algebra Basics	
Aug. 30 th	1.5, 1.6		

Sexual Harassment

The University of Colorado Policy on Sexual Harassment applies to all students, staff and faculty. Sexual harassment is unwelcome sexual attention. It can involve intimidation, threats, coercion, or promises or create an environment that is hostile or offensive. Harassment may occur between members of the same or opposite gender and between any combination of members in the campus community: students, faculty, staff, and administrators. Harassment can occur anywhere on campus, including the classroom, the workplace, or a residence hall. Any student, staff or faculty member who believes s/he has been sexually harassed should contact the Office of Sexual Harassment (OSH) at 303-492-2127 or the Office of Judicial Affairs at 303-492-5550. Information about the OSH and the campus resources available to assist individuals who believe they have been sexually harassed can be obtained at: <http://www.colorado.edu/sexualharassment>