

Syllabus for Math Tools for Economists I (Econ 1078)

Instructor:

Mariya Burdina

Class Meeting Times:

MTWRF 11:00 AM - 12:35 PM, GUGG 205

Final Exam

Friday, July 6th, GUGG 205

Office Location:

Econ 401 (3rd Floor of the Economics Building)

Email:

burdina@colorado.edu

This is the best way to contact me, if you won't get a reply within 24 hours please assume that I didn't get your email and resend it.

Class Website:

<http://ucsu.colorado.edu/~burdina>

This is instructor's web page. Relevant material to the course will be posted here. Specifically, recommended homework problems.

<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 there.

Office Hours:

Monday 1pm- 2 pm

Office hours are held for your benefit. You are highly encouraged to come to my office hours with prepared questions. As it is seen from my experience students who come to the office hours usually do better in course.

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, present and future values, solving systems of equations, logic, probability, and differentiation.

Textbook:

Essential Mathematics for Economic Analysis, 2nd edition, by Knut Sydsater, and Peter Hammond is required. 1088 adopts the same textbook. This is a very good reference book, which can always help to refresh your knowledge of algebra and calculus.

Calculator Note:

As this is a course designed to teach mathematical techniques you will need a calculator that can do 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.**

Class attendance:

This class is a condensed five week math course, and I feel that class attendance is very important. Thus, students who attend every class will be offered 3% extra credit at the end of semester (this is the only extra credit opportunity for this course!!!). Also, students who miss 5 classes or more will receive a failing grade.

Grading:

Grades will be determined on the basis of your performance on 10 quizzes, 2 midterms, and a cumulative final exam. Quizzes will be administered twice a week, in class time (see schedule below). The quiz grade is worth 20% of your over all grade.

The midterms will be administered on June 13th and June 25th in class. Each test is worth 25% of the course grade. The midterms are not cumulative and will cover only the material since the previous test.

The final exam is scheduled for **July 6th**. The final exam is worth 30% of your grade and will consist of two parts. A “midterm” sized section will cover all of the material after midterm #3 and be worth 15% of your grade in the course. The rest of the final will cover material from the entire course.

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+	below 60%	F

10 quizzes – 20% total
 2 Midterms – 25% each
 Final -30%

Make-Up Exams, Extra credit:

There will be no make up exams, quizzes or extra credits given in this class.

Tentative Course Schedule:

Week of	Monday	Tuesday	Wednesday	Thursday	Friday
6/4	Intro, 1.1, 1.2	1.3, 1.4	Quiz 1, 1.5, 2.1,	2.2, 2.3	2.4, 2.5, Quiz 2
6/11	1.6, 1.7	Quiz 3, Review	Midterm 1	3.1, 3.4,	3.5, 3.6 Quiz 4
6/18	4.1, 4.2, 4.3	4.4, 4.5 Quiz 5	4.6, 4.7	4.8, 4.9, 4.10,	Quiz 6, Review
6/25	Midterm 2	5.1, 5.2	5.3, 5.4 Quiz7	5.5, 5.6	6.5, Quiz 8
7/2	6.1, 6.2, Quiz 9	6.5, 6.4	July 4 th , no class	Quiz 10, Review	Final

Honor Code:

All students of the University of Colorado at Boulder are responsible for knowing and adhering to the academic integrity policy of this institution. Violations of this policy may include: cheating, plagiarism, aid of academic dishonesty, fabrication, lying, bribery, and threatening behavior. All incidents of academic misconduct shall be reported to the Honor Code Council (honor@colorado.edu; 303-725-2273). Students who are found to be in violation of the academic integrity policy will be subject to both academic sanctions from the faculty member and non academic sanctions (including but not limited to university probation, suspension, or expulsion). Other information on the Honor Code can be found at <http://www.colorado.edu/policies/honor.html> and at <http://www.colorado.edu/academics/honorcode/>

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. Faculty 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 policies at

<http://www.colorado.edu/policies/classbehavior.html> and at http://www.colorado.edu/studentaffairs/judicialaffairs/code.html#student_code

Absences:

Campus policy regarding religious observances requires that faculty make every effort to reasonably and fairly deal with all students who, because of religious obligations, have conflicts with scheduled exams, assignments or required attendance. Please notify me as soon as possible so that the proper arrangements can be made. Students can see full details at

http://www.colorado.edu/policies/fac_relig.html

Disabilities Statement:

If you qualify for accommodations because of a disability, please submit to me a letter from Disability Services in a timely manner so that your needs may be addressed. Disability Services determines accommodations based on documented disabilities. Contact: 303-492-8671, Willard 322, and <http://www.Colorado.EDU/disabilityservices>.

Time extensions for exams must be approved by me prior to the exam. If you have not talked to me personally prior to the exam you will not be granted an extension.

Disability Services' letters for students with disabilities indicate legally mandated reasonable accommodations. Other letters/requests you may receive from agencies such as the Wardenburg Student Health Center, or other health providers, such as physicians or counselors, are recommendations you may choose to follow to assist students but are not necessarily legal mandates. The syllabus statements and answers to Frequently Asked Questions can be found at <http://www.colorado.edu/disabilityservices>