

ECON 1088-002

Math Tools for Economists II

Fall 2015

Course Meeting: MWF 2-2:50pm, ECON 117
Instructor: Samara Mendez
Email: samara.mendez@colorado.edu
Office Location: ECON 414
Office Hours: Mon 3-4pm; Tues 3:30-4:30pm; Wed 12-1pm
Website: <https://learn.colorado.edu/>

Course Description: This class is the second of a two course sequence. It is a continuation of ECON 1078 which builds upon the basic foundation developed in that course. We will study derivatives, optimization, and integrals. These are Chapters 6,7,8,9, and 11 in the textbook. These tools will help you better understand the mathematical framework on which economics models are based and help prepare you for more advanced economics.

Prerequisite: ECON 1078 or equivalent.

Text: Essential Mathematics for Economic Analysis^{4th} Edition (or any earlier edition).
Authors: Knut Sydsaeter and Peter Hammond;
ISBN-13: 978-0273760689

Course Policies:

General

- { Class periods will be devoted to lectures and practice. Therefore, good attendance is key to succeeding in the course. Attendance will be taken at the end of the class period, but up to three absences will be excused.
- { Lectures will be based around the chalkboard, and extensive mathematical notation will be used. Therefore, I highly recommend taking notes on paper. However, if you can successfully take notes with a computer or tablet, please minimize the distraction to other students and sit toward the back of the classroom. Stay off of the internet - you're paying me to teach you math, not to check your messages.
- { Please allow 24 hours for me to respond to your emails. Grades will not be discussed over email. Emails regarding grades will receive a reply of "Office hours."
- { No makeup assignments will be given.

Grades

{ Distribution:

Homework	10%
Attendance	5%
Midterm 1	20%
Midterm 2	20%
Midterm 3	20%
Final Exam	25%

{ Reporting:

{ Final Exam: The final exam will be cumulative, held in our regular classroom on Sunday, Dec. 13, 4-7:30pm. This date is non-negotiable. The only exception to this standard is if you have 3 final exams scheduled on the same day; in this circumstance, you must notify me one month before the final exam.

University Policies:

DISABILITY POLICY 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.

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).

RELIGIOUS OBSERVATION POLICY 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. If you have a conflict, please contact me no later than the first week of the semester so we can make proper arrangements.

CODE OF BEHAVIOR POLICY Students and faculty each have responsibility for maintaining an appropriate learning environment. Students who fail to adhere to such behavioral standards may be subject to discipline. Faculty has the professional responsibility to treat all students with understanding, dignity and respect, to guide classroom discussion and to set reasonable limits on the manner in which they and their students express opinions. Professional courtesy and sensitivity are especially important with respect to individuals and topics dealing with differences or race, culture, religion, politics, sexual orientation, gender variance and nationalities. I will gladly honor your request to address you by an alternate name or gender pronoun.

DISCRIMINATION AND HARASSMENT POLICY The University of Colorado, Boulder policy on Discrimination and Harassment can be found on the CU Boulder website. The university policy on Sexual Harassment and on Amorous Relationships applies to all students, staff and faculty. Any student, staff or faculty member who believes s/he has been the subject of discrimination or harassment based upon race, color, national origin, sex, age, disability, religion, sexual orientation, or veteran status should contact the Office of Discrimination and Harassment (ODH) at 303-492-2127 or the Office of Judicial Affairs at 303-492-5550. Information about the ODH and the campus resources available to assist individuals regarding discrimination or harassment can be obtained at <http://www.colorado.edu/odh>.

Tentative Course Outline :

The weekly coverage might change as it depends on the progress of the class. I will provide readings each week according to our progress. Lectures and in-class exercises will be much more productive if you read before each class period.

Week	Content
Aug. 24-28	Topics: Administration, Introducing Derivatives Reading: Ch 6, Sections 1-4
Aug. 31-Sep. 4	Topics: Calculating and Using Derivatives Reading: Ch 6, Sections 5-7; Homework 1 due
Sep. 7-11	Topics: