

ECON 1078-002

Math Tools for Economists II

M, W, F 10:00-10:50 AM , HUMN 135

Instructor: NA KYEONG LEE

Email: na.lee@colorado.edu

Website: The desire2learn page will have grades throughout the semester

Office Hours: W : 11:00-12:00, F: 11:00-12:00 at Econ 309C

Textbook:

Essential Mathematics for Economic Analysis, Fourth Edition, Knut Sydster, Peter Hammond, Arne Strm

Lectures will follow the textbook chapters. The third edition of the book is similar, but I will assign homework from the most recent edition and it will be your responsibility to make sure you are doing assigned homework.

Course Description:

This course is the second of a two-course sequence, and continuation of ECON1078. 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(s):

ECON 1078 or its equivalent

Class Attendance:

You are responsible for all materials covered in class lectures. Attendance at all lectures is strongly recommended. Missed quizzes and exams **cannot** be made-up for any reason.

Laptops/Tablets:

There is to be no laptop, tablet, or phone use for this case at any time , for any reason. The only exception to this rule is if disability services mandate that you must be allowed to use a laptop for note taking purposes. In this case, an official letter from disability service is required.

Homeworks:

Homework Assignments will be assigned regularly throughout the semester. These assignments will not be graded, but quiz questions will be very similar to those on the homework.

Quizzes:

Quizzes will be given through the semester. Some will be announced ahead of time, some will not. I will drop your lowest quiz grade.

Exams:

Three exams are scheduled on the days listed below during regular class time. **Therefore, no early exams, no late exams, and no make-up exams will be given.**

Final Exam:

If you have 3 or more finals scheduled on the same day, you may reschedule all exams after the first.
2. You must notify me by September 15th in order to reschedule the final exam.

Exam Dates and Times:

Midterm 1: Friday Sep. 26th

Midterm 2: Friday Oct. 24th

Midterm 3: Friday Nov. 21st

Final Exam: Tuesday, Dec. 16th, 10:30 a.m.-1:00 p.m

Gradings:

commodations. The syllabus statements and answers to Frequently Asked Questions can be found at <http://www.colorado.edu/dissabilityservices>

Religious Observance Policy

Campus policy regarding religious observances requires that faculty make every effort to deal reasonably and fairly with all students who, because of religious obligations, have conflicts with scheduled exams, assignments or required attendance. In this class, **you must notify me within the first 3 weeks of class if you will need to miss a midterm or final exam.** See full details at http://www.colorado.edu/policies/fac_relig.html

Classroom Behavior Policy

Students and faculty each have responsibility for maintaining an appropriate learning environment. Those who fail to adhere to such behavioral standards may be subject to discipline. Pd-368((vc)28(h)-368(ho48

Week	Content
Aug 25	6.1-6.3 Syllabus, Pre-Tests Slopes, Derivatives, Tangents, Increasing/Decreasing Functions
Sep 1	Labor Day
Sep 3	6.4-6.6 Rates of Change, Limits