

Syllabus
Math Tools for Economists I
ECON1078 -003
2015 Fall

Instructor: Sihong Xie

Class Meeting: MWF 10:00AM - 10:50AM, HLMS267

Office Location: Economics Building Room 307

Office Hours: Tues 12:30pm- 1:30pm & Thurs 3:30pm-4:30pm and by appointment

Class Website: Desire2Learn (D2L)

Email Address: sihong.xie@colorado.edu

This is the best way to contact me outside of my office hours.

Please allow me 24 hours to respond.

COURSE DESCRIPTION & OBJECTIVES

This course is the first of two courses designed to give you the mathematical background necessary for future courses in business and economics. Topics to be covered in this course include college-level algebra, simple linear and nonlinear equations, functions and their graphs, systems of equations, set theory, summation, logic and proofs.

Math is learned and mastered through practice. Anyone who practices math is capable of doing math well. To help you practice math, I will assign you homework daily, and ask you to do clicker questions and in-class assignments.

After taking this class, you should understand the following introduction topics on college algebra

1. Basic college algebra: including real numbers, integer powers, basic algebraic identities and expressions, factoring, fractions, rational exponents, inequalities, intervals and absolute values.

6. Important function properties and techniques: Includes products and quotients, shifting functions, and composite functions.

EXPECTATIONS

You

NOTES

I do not distribute my lecture notes. I will ask you do small practice problems along with lectures during class, so it is a good idea to bring a spiral note book and pens to work with me in class. If you must miss lecture for any reason, please be sure to obtain the notes from a classmate or come to my office hours to discuss any of the material from lecture.

Office Hours

Office hours are established to help you succeed. You should use them as a resource to get extra help on lecture material, problem sets, express concerns or difficulties in your study, and to explore ideas you are interested in. Coming to office hours is a good indication that you care about your study enough to take extra steps.

As a way to better know you, I ask each of you to individually meet me in my office for 10-15 minutes during the first three weeks. I will bring a sign-up sheet during the first week so you can arrange a meeting with me.

EMAIL

I encourage you to email me with any questions and concerns. Please be polite and considerate in all email communications. I will do my best to respond within 24 hours. This response may come in the form of an email directly back to you or if the answer would be beneficial to the entire class, a mass email communication to the class or an announcement during the lecture.

ASSESSMENT and GRADING

Evaluations will take the following forms:

Clickers	20%
In-class Assignments	20%
Midterm Exam 1	15%
Midterm Exam 2	15%
Final Exam	30%

All exams are closed-book exams. All you need bring to exams are pencils.

I reserve the rights to curve the grades for any individual exam or course overall.

<u>Clickers</u>	Each clicker question will be worth 2 points. You will earn 1 point for answering the question and 1 point for answering the question correctly. You are encouraged to discuss the questions with your neighbors to come to an answer. I will not begin clickers until Monday, August 31. You will need to have your
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In-class
Assignments

clicker and book by that date. The lowest 20% of total clicker points will be dropped.

Throughout the semester, I will give several in-class assignments. You can use

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; 303725-2273).

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 honorcode.colorado.edu or <http://www.colorado.edu/policies/honor.html>.

Discrimination & Harassment Policy

The University of Colorado at Boulder Discrimination and Harassment Policy and Procedures, the University of Colorado Sexual Harassment Policy and Procedures, and the University of Colorado Conflict of Interest in Cases of Amorous Relationships Policy apply to all students, staff, and faculty. Any student, staff, or faculty member who believes s/he has been the subject of sexual harassment or discrimination or harassment based upon race, color, national origin, sex, pregnancy, age, disability, creed, religion, sexual orientation, gender identity, gender expression or veteran status should contact the Office of Discrimination and Harassment (ODH) at 30392-2127, or the Office of Student Conduct (OSC) at 303492-5550. Information about the ODH, the above referenced policies, and the campus resources available to assist individuals regarding discrimination or harassment can be obtained at <http://www.colorado.edu/odh>.

Tentative Course Schedule

Date	Course Material	Topics	Notes
8/24-8/28	1.1, 1.2, 1.3		