Fall 2016
ECON1078-001 Math Tools for Economists 1

Syllabus/Course Information

Course Description

This course is the first of to important prerequisites that teach key math and logic skills required for future economics courses. Topics include algebra, graphs, functions, set theory, basic proofs and probability.

Instructor Info/Schedule

Instructor: Doyoung Park
Class Meetings: MWF 11:00 am – 11:50 am at HLMS 211
Office: ECON 401
Office Hours: Monday 10:00 – 11:00 , Wednesday 10:00 – 11:00 or by appointment
Email: dopa3399@colorado.edu

Textbook:

Kurt Sydsæter, Peter Hammond, and Arne Strom: Essential Mathematics for Economic Analysis. 4th Ed., Pearson. Purchase of this edition is highly recommended as ECON 1088 uses the same textbook.

Class Organization:

The class will be normally 50-minute lecture. At the beginning, I will write an overview on the board so that you can take a look what you will learn that day. This overview will be help you to understand which part you are learning and how all contents are related. I will review the previous lecture before we actually talk about the topic of that day. I will try to give many practice problems during class and will give you 2-3 min (per question) to solve it by yourself or in group. You don't need to hand in the answer sheet. We will have lectures on Monday and Wednesday, and group activity on Friday. For activities on Friday, I will pick questions from the textbook and give you 30 minutes to solve it. The rest of the time will be spent checking answers. You need to submit the group answer sheet. (If we are behind schedule, we will have regular class on Friday.)

Grading:

Your total grade in this course will be determined by the following breakdown.
• Quiz (20% of Grade)
• Friday Class Group Work (10%) –

suggested problems you need to solve as preparation for the quizzes, midterms and the final exam. If you have any questions about the problems, you are always welcome to ask questions! Ask as many questions as you can.

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/policie