

ECON 1078-003 Mathematical Tools for Economists 1

University of Colorado Boulder
Department of Economics
Spring 2021

Instructor: Ge Song

Polynomials: Includes factoring polynomials, division, and rational functions (these skills are often employed in Econ 3070).

Exponential and logarithmic functions used extensively in intermediate economics courses (e.g. when presenting positive, monotonic transformations).

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

Grading Policies:

Midterm 1	20%
Midterm 2	20%
Final Exam	30%
Homework	20%
Attendance	10%

Letter Grade Distribution:

≥ 93.00	A	73.00 - 76.99	C
90.00 - 92.99	A-	70.00 - 72.99	C-
87.00 - 89.99	B+	67.00 - 69.99	D+
83.00 - 86.99	B	63.00 - 66.99	D
80.00 - 82.99	B-	60.00 - 62.99	D-
77.00 - 79.99	C+	≤ 59.99	F

A curve may be applied to the overall course grade to conform to departmental standards. Other than that, I will not grant any request to increase your grade to meet a certain cutoff. You will receive the grade that you earned throughout the course. If you are concerned about your grade(s) you should immediately come talk to me. I will do everything I can to help you be successful in this course.

Course Policies:

Lectures

Lectures Note-taking is very important in this course. It is highly recommended that you attend lectures, since

because of a family or medical emergency, and only if you provide documentation to justify that absence, the weight for the corresponding midterm will be added to the final exam. In all other cases, a

Tentative Course Outline:

The weekly coverage might change as it depends on the progress of the class. However, you must keep up with the reading assignments. **Important Dates:**

Week	Date	Content
1	1/15	Course material: 1.1
2	1/20, 1/22	Course material: 1.2, 1.3
3	1/25, 1/27, 1/29	Course material: 1.4, 1.5, 1.6
4	2/1, 2/3, 2/5	Course material: 1.7, 2.1, 2.2
5	2/8, 2/10, 2/12	Course material: 2.3, 2.4, 2.5
6	2/15, 2/19	Course material: 4.1, 4.2
7	2/22, 2/24 , 2/26	Course material: Review, Midterm I , 4.3
8	3/1, 3/3, 3/5	Course material: 4.4, 4.5, 4.6
9	3/8, 3/10, 3/12	Course material: 4.7, 4.8, 4.9
10	3/15, 3/17, 3/19	Course material: 4.10, 5.1, 5.2
11	3/22, 3/24, 3/26	Course material: 5.3, 5.4, 5.5
12	3/29, 3/31, 4/2	Course material: 5.6, 3.1, 3.2
13	4/5, 4/7 , 4/9	Course material: Review, Midterm II , 3.3
14	4/12, 4/14, 4/16	Course material: 3.4, 3.5, 3.6
15	4/19, 4/21, 4/23	Course material: 2.7, 15.1, 15.2
16	4/26, 4/28	Course material: Final Review, Final Review
Final Exam (Online)	5/2	Sunday, 7 : 30p:m: 10 : 00p:m:

First Day of Class: Jan 14th

Last Day of Class: Apr 29th

Final Exam: Sunday, May 2nd, 7:30 - 10:00 PM