

## Syllabus for Math Tools for Economists I (Econ 1078)

### Instructor:

Mariya Burdina

### Class Meeting Times:

2:00-2:50 on MWF, HUMN 135

### Final Exam

Thursday, December 17<sup>th</sup>, 7.30 – 10 am, HUMN 135

### Office Location:

Econ 401 (3<sup>rd</sup> Floor of the Economics Building)

### Email:

[burdina@colorado.edu](mailto:burdina@colorado.edu)

This is the best way to contact me, if you won't get a reply within 24 hours please assume that I didn't get your email and resend it.

### Class Website:

<https://webfiles.colorado.edu/burdina/index.html>

This is instructor's web page. Relevant material to the course will be posted here. Specifically, recommended homework problems.

<http://www.colorado.edu/economics/courses/ECON1078/1078home.html>

This is the web page developed by all Econ 1078 instructors. You can find homework and exam problems from previous semesters there.

### Office Hours:

Tuesday 10-11am

Wednesday 1pm- 2pm

Office hours are held for your benefit. You are highly encouraged to come to my office hours with prepared questions. As it is seen from my experience students who come to the office hours usually do better in course.

### Course Description and Objectives:

The goal of this class is to provide students with the mathematical tools needed for future courses in business and economics. We will cover polynomials, functions, present and future values, solving systems of equations, logic, probability, and differentiation.

### Textbook:

*Essential Mathematics for Economic Analysis*, 2<sup>nd</sup> edition, by Knut Sydsater, and Peter Hammond. .

### Calculator Note:

As this is a course designed to teach mathematical techniques you will need a calculator that can do basic mathematical functions. These include exponentials, logarithms, radicals, and factorials (log, ln,  $e^x$ ,  $n^x$  and  $x!$ ). Any basic scientific calculator will perform these functions. While a graphing calculator may be useful in doing some of the homework problems, **you cannot use a graphing calculator on the exam.**

**Grading:**

The scores for the course will be based on the standard scale:

93-100%	A	73-76%	C
90-92%	A-	70-72%	C-
87-89%	B+	67-69%	D+
83-86%	B	63-66%	D
80-82%	B-	60-62%	D-
77-79%	C+	below 60%	F

Your grade will come from the following breakdown:

- 20% - Quizzes and in class assignments
- 25% - Midterm 1
- 25% - Midterm 2
- 30% - Final

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**Honor Code:**

All students of the University of Colorado at Boulder are responsible for knowing and adhering to