

# ECON 1078: Math Tools for Economists

MWF 2:00-2:50

Room: ECON 119

**Instructor:** Nicole Mundt

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**Office:** ECON 414

**Office Hours:** Monday 3:00 - 4:00, Wednesday 12:50-1:50, and by appointment

*Please allow me 24 hours to respond to all emails. If you need help with course material, please see me during my office hours. If you need more help than can be provided in office hours, consider visiting the department's undergraduate tutor or viewing the department's private tutor list: [http://www.colorado.edu/econ/undergraduate/tutor\\_list.pdf](http://www.colorado.edu/econ/undergraduate/tutor_list.pdf)*

**Course Description:** In order to succeed in economics, a student must be well versed in a variety of mathematical concepts. The purpose of the two Math Tools courses (1078 and its counterpart 1088) is to prepare students for the math they will encounter in future economics coursework.

## Required Materials

- Textbook: *Essential Mathematics for Economic Analysis*. Knut Sydaester, Peter Hammond, Arne Strom, and Andres Carvajal.

## Grading:

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

## Grading Scale:

Grade	Percentage	Grade	Percentage
A	$93 \leq x$	C	$73 \leq x < 77$
A-	$90 \leq x < 93$	C-	$70 \leq x < 73$
B+	$87 \leq x < 90$	D+	$67 \leq x < 70$
B	$83 \leq x < 87$	D	$63 \leq x < 67$
B-	$80 \leq x < 83$	D-	$60 \leq x < 63$
C+	$77 \leq x < 80$	F	$x < 60$

**Homework:** I will be assigning weekly homework. I do this because mathematics is not a spectator sport. The only way to succeed when it comes to learning mathematics is **practice, practice, practice**. The weekly homework will be assigned on Monday and due the Wednesday of the following week in class. I will drop the lowest homework grade. I do not accept late homework. If you miss class the day the homework is due, you must either turn your homework in ahead of time or send me an email with a picture of the completed homework and bring the hard copy to the next class you attend.

**NOTE:** Your cumulative homework grade is the same portion of your grade as one exam. Please take advantage of this and take the homework seriously!

**Exams:** There will be two midterms throughout the semester. These exams can be completed without the use of a calculator, but you may use a non-graphing calculator. I will not give makeup exams except in extraordinary situations. If you miss a midterm exam the weight of that midterm will be added to your final exam, meaning your final exam will count as 50% of your overall grade.

**Participation:** This portion of your grade will come from the clicker questions. This part of your grade is based off completion. I will drop the 3 lowest to account for all excused/unexcused absences. You will only need to reach out to me about absences if you have more than 3 excused absences. If you forget your clicker, you cannot receive credit for that day. It is your responsibility to bring the clicker to each class. Make sure to register your iClickers, instructions provided here:

<https://oit.colorado.edu/tutorial/cuclickers-iclicker-remote-registration>

In addition to clickers, you will be participating in weekly class activities aimed at preparing for the exam. The class will separate into teams and compete against each other to solve questions in class. This activity will take place each Friday (besides exam weeks) and will be aimed at practicing the material learned that week. One team will win each week and each member will be allotted one bonus point on the exam.

## Tentative Course Outline

Week	Monday	Wednesday	Friday
Week 1, Jan 13	Syllabus & 2.1	2.2	2.3
Week 2, Jan 20	<b>No Class</b>	2.4	2.5
Week 3, Jan 27	2.6	2.7	3.1
Week 4, Feb 3	3.2	3.3	3.3
Week 5, Feb 10	3.4	3.5	4.1
Week 6, Feb 17	4.2	Review	<b>Midterm 1</b>
Week 7, Feb 24	4.3	4.4	4.5
Week 8, March 2	4.6	4.7	4.8
Week 9, March 9	4.9	4.10	5.1
Week 10, March 16	5.2	5.3	5.4
Week 11, March 23	Spring Break		
Week 12, March 30	5.5	5.6	2.8
Week 13, April 6	2.9	2.10	2.11
Week 14, April 13	Review	<b>Midterm 2</b>	1.1
Week 15, April 20	1.2	1.3	1.4
Week 16, April 27	Review	Review	<b>No Class</b>
<b>Final Exam: Sunday May 3rd 1:30 p.m. - 4:00 p.m.</b>			

### University Policies

**Students with Disabilities:** If you qualify for accommodations because of a disability, please submit to me a letter from disability services in a timely manner so that your needs can be addressed. Disability services determine accommodations based on documented disabilities. Contact: 303-492-8671, Center for Community N200.

**Religious Observance Policy:** Campus policy regarding religious observances requires that faculty make every effort to reasonably and fairly deal with all students who, because of religious obligations, have conflicts with scheduled exams, assignments, or required attendance. If you have a conflict, please contact me at the beginning of the term so we can make proper arrangements.

**Honor Code:** 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; 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/policies/honor.html> and at <http://www.colorado.edu/academics/honorcode/>

**Discrimination & Harassment Policy:** The University of Colorado Policy on Sexual Harassment applies to all students, staff and faculty. Sexual harassment is unwelcome sexual attention. It can involve intimidation, threats, coercion, or promises or create an environment that is hostile or offensive. Harassment may occur between members of the same or opposite gender and between any combinations of members in the campus community: students, faculty, staff, and administrators. Harassment can occur anywhere on campus, including the classroom, the workplace, or a residence hall. Any student, staff or faculty member who believes s/he has been sexually harassed should contact the Office of Discrimination and Harassment (ODH) at 303-492-2127 or the Office of Judicial Affairs at 303-492-5550. Information about the ODH and the campus resources available to assist individuals who believe they have been sexually harassed can be obtained at: <http://www.colorado.edu/odh/>