

ECON 1078-002 MATHEMATICAL TOOLS FOR ECONOMISTS 1

University of Colorado Boulder

Department of Economics

Fall 2024

Instructor: Tyler Anderson

Time: MWF 11:15 AM – 12:05 PM

Email: tyler.anderson-4@colorado.edu

Location: Duane Physics G131

Office: ECON 304

Office Hours: MW 12:30 – 2:00 PM

Course Description: This course is the first in a two-course sequence intended to provide students with the tools and mathematical background necessary to complete upper-level economics work. This course will start with college-level algebra and cover topics such as equations, set theory and logic, summation notation, and functions including linear functions and polynomials.

Textbook: Knut Sydsaeter, Peter Hammond, and Arne Strom, Essential Mathematics for Economic Analysis, 6th Edition. (required)

(you may use an alternative edition- just make sure to match up the relevant chapters).

This textbook is also used for ECON 1088

Grading:

Homework 20%

C+	77.00 – 79.99
C	73.00 – 76.99
C-	70.00 – 72.99
D+	67.00 – 69.99
D	63.00 – 66.99
D-	60.00 – 62.99
F	Below 60.00

Individual exam grades or overall course grades may be curved to conform to departmental standards.

Homework: There will be approximately 6 graded homework assignments throughout the semester. Homework assignments are to be completed individually. Homework assignments should be submitted to Canvas as pdf, jpg, or png file. I will drop your lowest homework grade at the end of the semester. Please show your work when submitting homework, answers without work shown will not receive full credit.

Exams: All exams will be in-person. Exams will be closed-note, closed-book. Calculators will not be allowed during exams; all calculations will be simple enough to do without one. No make-up exams will be given. If you know in advance that you need to miss an exam, please email me at least two weeks in advance. If you need to miss a midterm exam due to an emergency, that exam will be dropped and its weight will be split between the other two exams if appropriate documentation is provided. In all other cases, a missed exam will result in a grade of zero. The final exam cannot be missed for any reason. If an emergency arises, please let me know as soon as possible so that accommodations can be made. The final exam for this course is Sunday December 15th from 1:30 – 4:00 pm.

University Policies:

Classroom Behavior :

Students and faculty are responsible for maintaining an appropriate learning environment in all instructional settings, whether in person, remote, or online. Failure to adhere to such behavioral standards may be subject to discipline. Professional courtesy and sensitivity are especially important with respect to individuals and topics dealing with race, color, national origin, sex, pregnancy, age, disability, creed, religion, sexual orientation, gender identity, gender expression, veteran status, marital status,

Conflict Resolution as well as be subject to academic sanctions from the faculty member. Visit [Honor Code](#) for more information on the academic integrity policy.

Sexual Misconduct, Discrimination, Harassment and/or Related Retaliation :

CU Boulder is committed to fostering an inclusive and welcoming learning, working, and living environment. University policy prohibits [protected -class](#) discrimination and harassment, sexual misconduct (harassment, exploitation, and assault), intimate partner abuse (dating or domestic violence), stalking, and related retaliation by or against members of our community on- and off-campus. The Office of Institutional Equity and Compliance (OIEC) addresses these concerns, and individuals who have been subjected to misconduct can contact OIEC at 303492-2127 or email CUreport@colorado.edu. Information about university policies, [reporting options](#), and [support resources](#) including confidential services can be found on the [OIEC website](#).

Please know that faculty and graduate instructors must inform OIEC when they are made aware of incidents related to these policies regardless of when or where something occurred. This is to ensure that individuals impacted receive outreach from OIEC about resolution options and support resources. To learn more about reporting and support for a variety of concerns, visit the [Don't Ignore It](#) page.

Religious Accommodations :

Campus policy requires faculty to provide reasonable accommodations for students who, because of religious obligations, have conflicts with scheduled exams, assignments or required attendance. Please communicate the need for a religious accommodation in a timely manner. In this class, please communicate any religious accommodations that are needed as soon as possible. We will schedule alternative exam times as necessary.

See the [campus policy regarding religious observances](#) for full details.

Mental Health and Wellness :

The University of Colorado Boulder is committed to the well-being of all students. If you are struggling with personal stressors, mental health or substance use concerns that are impacting academic or daily life, please contact [Counseling and Psychiatric Services \(CAPS\)](#) located in C4C or call (303) 492-2277, 24/7.

Free and unlimited telehealth is also available through [Academic Live Care](#)
The [Academic Live Care](#)