

ECON 1088-581 Mathematical Tools for Economists 2

Summer 2023

University of Colorado Boulder

Course Homepage: <https://canvas.colorado.edu/courses/74556>

Course

Takes place online and asynchronously. Students are expected to complete work on every day of the week at a time that works best for them. Some assignments require use of the online proctoring software Proctorio.

First day of class: Monday, June 5th, 2023.

Last day of class: Friday, July 28th, 2023.

Instructor

Anja Gruber

Office Hours: Monday 12-2PM or by appointment on Zoom.

<https://cuboulder.zoom.us/j/4608807288>

Email Policy:

Grading

All assignments are scored out of 100% and are based on questions that you have the opportunity to practice ahead of time. Any assignment can be submitted up to 48h late for a penalty of 10%. If you are experiencing extenuating circumstances that warrant a longer grace period, please email your instructor immediately.

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| Course Logistics Assignments | 5% |
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- Syllabus Quiz, MyLab Quiz, Proctoring Quiz
- Beginning of Semester, Mid Semester and End of Semester Zoom Check-in
- 2 attempts each.
- Designed to ensure your success in the course.

20 (best of 26) Daily Homework Assignments

- Due at 12.59PM on the day a topic is covered.
- Open book, open note.
- 1 attempt each.
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Netiquette

All students should be aware that their behavior impacts other people, even online. I hope that we will all strive to develop a positive and supportive environment and will be courteous to fellow students and your instructor. Due to the nature of the online environment, there are some things to remember.

1. Always think before you write. In other words, without the use of nonverbals with your message, your message can be misinterpreted. So please think twice before you hit submit.

2. Keep it relevant. There are places to chat and post for fun everyday stuff. Do not stray from the discussion in the assigned questions.

3. Never use all caps. This is the equivalent of yelling in the online world. It is not fun to read. Only use capital letters when appropriate.

4. Make sure that you are using appropriate grammar and structure. In other words, I don't want to see anyone writing "R U" instead of "are you". There are people in the class that may not understand this type of abbreviation, not to mention it does nothing to help expand your writing and vocabulary skills. Emoticons are fine as long as they are appropriate. A smile is welcome, anything offensive is not.

5. Treat people the same as you would face-to-face. In other words, it is easy to hide behind the computer. In some cases, it empowers people to treat others in ways they would not in person. Remember there is a person behind the name on your screen. Treat all with dignity and respect and you can expect that in return.

6. Respect the time of others. This class is going to require you to work in groups. Learn to respect the time of others in your group and your experience will be much better. Always remember that you are not the only person with a busy schedule, be flexible. Do not procrastinate! You may be one that works best with the pressures of the deadline looming on you, but others may not be that way. The same is true for the reverse. The key to a successful group is organization, communication and a willingness to do what it takes to get it done.

[Website:

Technological Support

Canvas technical support:

If you are experiencing issues with Canvas, please contact:

- CU Boulder's Help desk at 303-735-4357 (5-HELP) or help@colorado.edu. 5-Help will answer your call: Monday through Friday from 7:30 a.m. to 7:00 p.m., Saturday and Sunday from noon to 6:00 p.m., Closed during University Holidays
- On your computer, click the "help" (?) icon on the left side of Canvas, once logged in.
- Within the Canvas App, you can search the Canvas support guides, Report a Problem or chat with Canvas Support 24 hours a day, 7 days a week.

MyLab tech support:

- https://help.pearsoncmg.com/ccng/ccng_instr/ccng_xmel_instr_help_support_bridge.html
- <https://support.pearson.com/getsupport/s>

Proctorio support

- <https://proctorio.com/support>

Classroom Behavior

Both students and faculty are responsible for maintaining an appropriate learning environment in all instructional settings, whether in person, remote or online. Those who fail to adhere to such behavioral s (on)10.6.9 (and)11.3a6 (c)-2 (o)10.63s3 (t)-6.(day)-2,6 (e)10. (c)-2 ((e)10.be(c)-2 (hi)2.6 (dj)-8adhee ie_brssuppor fe fngsponss

Sexual Misconduct, Discrimination, Harassment and/or Related Retaliation

The University of Colorado Boulder (CU Boulder) is committed to fostering an inclusive and welcoming learning, working, and living environment. CU Boulder will not tolerate acts of sexual misconduct (harassment, exploitation, and assault), intimate partner violence (dating or domestic violence), stalking, or protected-class discrimination or harassment by members of our community. Individuals who believe they have been subject to misconduct or retaliatory actions for reporting a concern should contact the Office of Institutional Equity and Compliance (OIEC) at 303-492-2127 or cureport@colorado.edu. Information about the OIEC, university policies, [anonymous reporting](#), and the campus resources can be found on the [OIEC website](#).

Please know that faculty and instructors have a responsibility to inform OIEC when made aware of incidents of sexual misconduct, dating and domestic violence, stalking, discrimination, harassment and/or related retaliation, to ensure that individuals impacted receive information about options for reporting and support resources.

Religious Holidays

Campus policy regarding religious observances requires that faculty make every effort to deal reasonably and fairly with all students who, because of religious obligations, have conflicts with scheduled exams, assignments or required attendance. See the [campus policy regarding religious observances](#) f

Course Schedule

| Date | Topic | Textbook | Due at 11.59PM |
|---------------|--|----------|--|
| Week 1 | | | |
| M 6/5 | A-Class Introduction | | Syllabus Quiz MyLab Quiz Proctoring Quiz Schedule Zoom Check-in |
| T 6/6 | B-Math Tools 1 Review | | Review Video 1 |
| W 6/7 | 1-Introduction to Limits | 9.1 | HW1 |
| Th 6/8 | 2-Infinite Limits and Limits at Infinity | 9.2 | HW2 |
| F 6/9 | 3-Continuity | 9.3 | HW3 |
| Week 2 | | | |
| M 6/12 | | | Quiz 1 |
| T 6/13 | 4-The Derivative | 9.4 | HW4 |
| W 6/14 | 5-Basic Differentiation Properties | 9.5 | HW5 |
| Th 6/15 | 6-Differentials | 9.6 | HW6 |
| F 6/16 | 7- | | |