

# ECON 3080-002 INTERMEDIATE MACROECONOMIC THEORY

University of Colorado Boulder  
Department of Economics  
Spring 2024

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<b>Instructor:</b>	Lucas Ladenburger	<b>Time:</b>	T,Th 9:30 – 10:45
<b>Email:</b>	<a href="mailto:Lucas.Ladenburger@colorado.edu">Lucas.Ladenburger@colorado.edu</a>	<b>Place:</b>	MUEN E431
<b>Office:</b>	ECON 304	<b>Office Hours:</b>	M,T 11 - 12

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Course home page: <https://canvas.colorado.edu/>

**Course Description:** This course will provide students with the tools to analyze the macroeconomy using mathematical and graphical models. The course is divided into two parts. First, we will study theories of the economy in the long run, paying attention to issues including the determinants of economic growth, inflation and the money supply, exchange rates, and unemployment. We will then turn our attention to the economy in the short run, studying the business cycle and stabilization policy. Throughout, we will emphasize the application of theoretical models to the study of current economic issues and consider the goals and effectiveness of several economic policies.

**Required Textbook:** Mankiw, N. Gregory, *Macroeconomics* (11<sup>th</sup> edition) + *Achieve Essentials*.

- Homework assignments will be completed in Achieve. As such, please ensure you have access to Achieve, either through the CU Book Access program, or by purchasing directly from the publisher if you choose to opt out of CU Book Access.

## Prerequisites:

- ECON 2020
- ECON 1088 or MATH 1081 or MATH 1300 or MATH 1310 or APPM 1350.

## Grading Policies:

Attendance/Participation .....	5%
Learning Curve .....	10%
Homework .....	10%
Quizzes .....	15%
Midterm 1 .....	18%
Midterm 2 .....	18%
Final Exam .....	24%

## Letter Grade Distribution:

93.00 - 100.00	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+	0.00 - 59.99	F

### Course Policies:

- **Attendance/Participation:** Attendance for the course is required. Participation will be logged via clicker questions during each lecture. Daily clicker points will be assigned 2/3 for attendance and 1/3 for correct answers. The three lowest scoring days will be dropped.

We will be using iClicker to enhance active learning and participation in my course. You will need to have an iClicker student app account, [register your clicker there](#), and download and set up the app BEFORE you get to class.

- **Learning Curve/Homework/Quizzes:** Weekly assignments will be completed through Achieve. These are designed to test your knowledge of material presented in lectures as well as in the text. Learning Curve and Homework assignments allow unlimited attempts (Homework assigns a small penalty for each incorrect attempt). Quizzes allow only one attempt. The two lowest scores for each of the three assignment categories (Learning Curve, Homework, and Quizzes) will be dropped. Due dates will be posted to Canvas.
- **Exams:** All exams (midterms and final) will be completed in-person, paper and pencil.

**Midterms:** I will not give any early or make-up exams. In the case that you have to miss a midterm due to a family or medical emergency, you must provide documentation to justify that absence before the scheduled exam time, and the weight for that midterm will be added to the final exam. In all other cases, a missed exam will result in a grade of zero for that exam.

**Final exam:** The final exam is cumulative. If you have 3 or more finals on the same day, you can arrange to take the last exam(s) at an alternate time. **However, you must notify me of this no later than the 10th week of the semester (by Mar 22<sup>nd</sup>) and provide proof that it is your 3rd or more exam on that day.**

Cheating on any exam is unacceptable. Any cheating instances will result in a grade of zero and a report to the Honor Code Council.

- **Email:** In addition to office hours, please always feel free to reach out via email. Please use my colorado.edu email address, I do not monitor the Canvas messaging platform. I will try to respond to all emails by the end of the following business day. According to FERPA, I am not allowed to discuss grades via email. If you have any questions or concerns about your grade, please come see me during office hours.

### 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, political affiliation, or political philosophy.

For more information, see the [classroom behavior policy](#), the [Student Code of Conduct](#), and the [Office of Institutional Equity and Compliance](#).

- **Requirements for Infectious Disease:** Members of the CU Boulder community and visitors to campus must follow university, department, and building health and safety requirements and all applicable campus policies and public health guidelines to reduce the risk of spreading infectious diseases. If public health conditions require, the university may also invoke related requirements for student conduct and disability accommodation that will apply to this class.

If you feel ill and think you might have COVID-19 or if you have tested positive for COVID-19, please stay home and follow the [guidance of the Centers for Disease Control and Prevention \(CDC\) for isolation and testing](#). If you have been in close contact with someone who has COVID-19 but do not have any symptoms and have not tested positive for COVID-19, you do not need to stay home but should follow the [guidance of the CDC for masking and testing](#).

- **Accommodation for Disabilities, Temporary Medical Conditions, and Medical Isolation:** If you qualify for accommodations because of a disability, please submit your accommodation letter from Disability Services to your faculty member in a timely manner so that your needs can be addressed. Disability Services determines accommodations based on documented disabilities in the academic environment. Information on requesting accommodations is located on the [Disability Services website](#). Contact Disability Services at 303-492-8671 or [dsinfo@colorado.edu](mailto:dsinfo@colorado.edu) for further assistance. If you have a temporary medical condition, see [Temporary Medical Conditions](#) on the Disability Services website.

- **Preferred Student Names and Pronouns:** CU Boulder recognizes that students' legal information doesn't always align with how they identify. Students may update their preferred names and pronouns via the student portal; those preferred names and pronouns are listed on instructors' class rosters. In the absence of such updates, the name that appears on the class roster is the student's legal name.

- **Honor Code:** All students enrolled in a University of Colorado Boulder course are responsible for knowing and adhering to the [Honor Code](#). Violations of the Honor Code may include but are not limited to: plagiarism (including use of paper writing services or technology [such as essay bots]), cheating, fabrication, lying, bribery, threat, unauthorized access to academic materials, clicker fraud, submitting the same or similar work in more than one course without permission from all course instructors involved, and aiding academic dishonesty.

All incidents of academic misconduct will be reported to Student Conduct & Conflict Resolution: [honor@colorado.edu](mailto:honor@colorado.edu), 303-492-5550. Students found responsible for violating the Honor Code will be assigned resolution outcomes from the Student Conduct & 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 violence (dating or domestic violence), stalking, and related retaliation by or against members of our community on- and off-campus. These behaviors harm

individuals and our community. The Office of Institutional Equity and Compliance (OIEC) addresses these concerns, and individuals who have been subjected to misconduct can contact OIEC at 303-492-2127 or email [cureport@colorado.edu](mailto:cureport@colorado.edu). Information about university policies, [reporting options](#), and [support resources](#) 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. If you have a conflict, please make arrangements with me no later than the first week of the semester. 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 site also provides information about additional wellness services on campus that are available to students.

**Tentative Course Outline:** (Note that the weekly coverage might change depending on our progress.)

<b>Week</b>	<b>Date</b>	<b>Content</b>
<b>1</b>	Jan 16-21	Syllabus, The Science of Macro (Chapter 1)
<b>2</b>	Jan 22-28	The Data of Macro (Chapter 2), National Income (Chapter 3)
<b>3</b>	Jan 29-Feb 4	The Monetary System (Chapter 4)
<b>4</b>	Feb 5-11	Inflation (Chapter 5)
<b>5</b>	Feb 12-18	Review, <b>Midterm 1 on Feb 15</b>
<b>6</b>	Feb 19-25	The Open Economy (Chapter 6)
<b>7</b>	Feb 26-Mar 3	Unemployment and the Labor Market (Chapter 7)
<b>8</b>	Mar 4-10	Capital Accumulation (Chapter 8)
<b>9</b>	Mar 11-17	Population Growth and Technological Progress (Chapter 9), Growth Empirics (Chapter 10)
<b>10</b>	Mar 18-24	Review, <b>Midterm 2 on Mar 21</b>
<b>11</b>	Mar 25-31	<b>Spring Break, No Class</b>
<b>12</b>	Apr 1-7	Economic Fluctuations (Chapter 11)
<b>13</b>	Apr 8-14	Aggregate Demand 1 (Chapter 12)
<b>14</b>	Apr 15-21	Aggregate Demand 2 (Chapter 13)
<b>15</b>	Apr 22-28	Aggregate Supply (Chapter 15)
<b>16</b>	Apr 29-May 2	The Financial System (Chapter 19), Final Review
<b>Final Exam</b>	<b>May 7</b>	<b>Tuesday, 4:30 p.m. - 7:00 p.m.</b>