

# ECON 2: Principles of Macroeconomics

University of California, Santa Barbara  
Monday, Wednesday  
12:30 – 1:45pm  
Campbell Hall  
Spring 2025

Instructor: Matt Lang  
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Office: North Hall 3032  
Office Hours: Wednesday, 2:00 – 3:30pm  
Coffee Hours: Friday, 1:00 – 2:00pm (Rotating Location)  
Weekly Sign-Up at <https://shorturl.at/eYOXy>  
Course Webpage: <https://matthewdlang18.github.io/macroeconomics-course-website/>  
Head TA: Nicolas Fuertes Segura, [nfuertessegura@ucsb.edu](mailto:nfuertessegura@ucsb.edu)  
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## Course Description

This course is an introduction to the foundations of macroeconomics. Unlike microeconomics, which examines behavior at a household, consumer or firm level, we will analyze the entire economy. This means that you will begin to understand how the numbers that we often see in the news (GDP, CPI, unemployment rate and interest rates) are calculated and what they really mean. After learning about how to evaluate the health of an economy using these statistics, we will begin to learn how the economy operates in the short-run. During this part of the course, we will discuss the costs and benefits of the Federal Government and Federal Reserve responding to macroeconomic shocks. This will naturally lead us into a discussion about what the ideal level of production should be in the long-run.

## Learning Goals

By the end of the course, you should be able to:

- Understand how to measure the health of the economy
- Use economic theory to explain the consequences of economics shocks
- Discuss the benefits and consequences of fiscal and monetary policy

## Course Materials

### TopHat.com (Required):

The only item you are required to purchase is a TopHat.com subscription. The quizzes will be run through TopHat and the platform will enhance lectures, since questions posed to the class can be “texted-in” through the app. All announcements and relevant information will be posted on TopHat (and Canvas).

To enroll in the class TopHat page:

- Go to [www.tophat.com](http://www.tophat.com)
- Log in to your existing Top Hat student account or use your school email to create a new account.
- Search for “Introduction to Macroeconomics – Spring 2025”, Join Code: 504526
- Be sure to use your school email and correct ID number so we can accurately identify you!
- If you click “Next” enough, the price should only be **\$25 for a 4-month subscription**.

### Textbook:

E-Textbook: *Introduction to Macroeconomics* (Free this term on TopHat!)

Optional Textbook: *Macroeconomics: Principles and Applications*, 6<sup>th</sup> Ed., Hall & Lieberman

## Weekly Guide

### Monday/Wednesday Lectures

Attend the Lectures. Take notes during lecture and participate in real-time TopHat questions. Ask questions during the lecture if you have them. After lecture, make sure any difficult topics are revisited, looking over problem set questions or reading the textbook.

### Discussion Sections: Exploring the role of AI in Economics Education

Weekly Activities: There will be 5 activities throughout the term, and they will take place in discussion sections in weeks 2, 3, 6, 8, and 10. The activities will allow you to connect with peers and see the material from a new perspective. In most weeks, AI platforms will be used in many of the activities and the goal will be for all of us to collectively better understand AI usage in economics.

You and your group should expect to complete and turn in the assigned activity by the end of each discussion section meeting. *Your top 3 (of 5) activities will count for 15% towards your total grade.*

### Lecture Quizzes

On most Wednesdays, I will release a “Lecture Quiz”. It will be due before the next lecture on Monday. Make sure you feel good about all the questions before you start answering them as you only get one chance to answer the questions. You will need to get 40 to 50 questions correct throughout the term for full credit on this portion of the course, which will count for 10% towards your final grade.

### Review Sessions

Each week, **the lengthy, difficult word problems** that are not discussed in discussion section will be reviewed in a separate set of session. These sessions are not mandatory but will help set you apart when it comes to understanding the material.

The sessions will take place on: **Thursdays, 5 – 5:50pm and 6 – 6:50pm in North Hall 1110**

## Grading

*Exams: 1 Midterm, 1 Final = 70% of the total grade*

Midterm Exam in-person on Monday, April 28<sup>th</sup> = 30% of total grade

Cumulative Final Exam in-person on Tuesday, June 10<sup>th</sup> from 12:00 to 2:30pm = 40% of total grade

**In order to get a passing grade in the course, you must take the final.**

**If a documented emergency arises on the day of the final, you will receive an Incomplete for the course.**

*Lecture Quizzes: 10% of the total grade*

Starting after lecture on Wednesday of week 1, you will be given a 7 to 10-question quiz that is based on lecture material from the previous week. Because the questions will be derived from lecture, attending lecture is the most efficient way to do well on the quizzes. In total, there will be 9 quizzes, and they will be released on Wednesday due before the next lecture.

To get full credit on quizzes there are two options you can take.

1. Answer more than 50% of the in-class questions and each correct answer on a quiz will count for 0.25% of the total grade, up to 10%.
2. Answer less than 50% of the in-class questions and each correct answer on a quiz will count for 0.2% of the total grade, up to 10%.

This means, by the end of the term, if you have:

Answer more than 50% of the in-class questions and you answer	Answer less than 50% of the in-class questions and you answer	Your lecture quiz score will be
Greater than 40 lecture quiz questions correctly	Greater than 50 lecture quiz questions correctly	Full credit (10% out of 10%)
30 lecture quiz questions correctly	37.5 lecture quiz questions correctly	75% credit (7.5% out of 10%)
20 lecture quiz questions correctly	25 lecture quiz questions correctly	50% credit (5% out of 10%)
10 lecture quiz questions correctly	12.5 lecture quiz questions correctly	25% credit (2.5% out of 10%)

*Discussion Section Activities: 15%*

There are 5 discussion activities throughout the term and the 3 highest scores will each count for 5% of the total grade. Detailed information about the activities is posted on TopHat and Canvas.

*Participation: 5%*

In most cases (99%), you do not need to do anything to get these points. **In-class TopHat questions DO NOT influence your participation score**, but be respectful of the course and your peers, particularly when answering questions in class as participation points can be deducted. Avoid administrative questions that I have covered in-depth or can be figured out by looking at the syllabus. **Requesting special assignments, grade bumps or extra credit opportunities that would only boost your grade can result in lost participation points. No late assignments are accepted...please do not ask! Any requests for special considerations can result in a reduction in participation points!**

## Grade Calculation and Distribution

### Example Grade Calculation:

#### Component Score:

Quiz Points = 55 → 100% on Quizzes  
Discussion Activities = 5 → 100% on Activities  
Participation = Full Credit  
Midterm Exam Score = 78%  
Final Exam Score = 72%

#### Percentage Grade:

100% quiz points x 10% weight +  
100% activity points x 15% weight +  
100% participation x 5% weight +  
78% midterm exam x 30% weight +  
72% final exam score x 40% weight  
= 82.2%

Because the grade in this course is used to determine your eligibility in the major, the department has instituted a Grading Guideline that recommends the following distribution:

**A: 20%, B: 35%, C+: 10%, C: 20%**

The course grading and difficulty is set up to adhere to these guidelines. However, it is possible that a higher than anticipated fraction of students perform above expectations. Therefore, the minimum grade you will receive will follow a standard grading scale.

A: 93-100%	B+: 88-89%	C+: 78-79%	D+: 68-69%	F: <60%
A-: 90-93%	B: 83-88%	C: 73-78%	D: 63-68%	
	B-: 80-83%	C-: 70-73%	D-: 60-63%	

Unless there is an administrative mistake (for example, an incorrect grade is posted), grades are final.

### Tips for Success

I sincerely want everyone to succeed, but before contacting me about your performance in the course, ask yourself a few questions.

*Have you read the syllabus and understand the components of the course?*

*Are you reading and processing all of the course announcements?*

*Do you attend lecture every day? Are you engaged in lecture?*

*Do you go to discussion section and weekly review sessions?*

*Do you spend some time after each lecture reviewing the material and going through relevant problems?*

*Are you able to teach the material or problems to someone else?*

If you do not answer *yes*, to any of these questions, change your behavior so that you can answer *yes* and you will see your performance improve.

Conversely, also ask yourself:

*Do you spend an excessive amount of time studying for an exam in the days leading up to the exam in order to make-up for not studying earlier?*

*When studying with others, do you find yourself sitting quietly while others explain material to you?*

*Do you find yourself often having an excuse for why you haven't studied?*

If you do not answer *no*, to any of these questions, change your behavior so that you can answer *no* and you will see your performance improve.

### Cheating

*Don't cheat.* Students caught **CHEATING** on an exam will be given a failing grade for the course. See <https://studentconduct.sa.ucsb.edu> for more information on what constitutes cheating. Also, ***do not post class material online.*** I will provide all relevant information to you (and future classes).

## **Tentative Course Schedule**

### **Week 1: Reviewing Supply and Demand with Housing (Chapters 1, 2.0 – 2.5)**

Discussion Section: Supply and Demand Google Form Review

TopHat Lecture Quiz 1 released on Wednesday April 2<sup>nd</sup>, Due Monday April 7<sup>th</sup>

### **Week 2: Introduction to Macroeconomics, GDP (Chapters 3.0, 3.1)**

Discussion Section: Activity #1 due by the end of section

TopHat Lecture Quiz 2 released on Wednesday April 9<sup>th</sup>, Due Monday April 14<sup>th</sup>

### **Week 3: CPI (Chapter 3.2)**

Discussion Section Activity #2 due by the end of section

TopHat Lecture Quiz 3 Released on Wednesday April 16<sup>th</sup>, Due Monday April 21<sup>st</sup>

### **Week 4: CPI and Unemployment (Chapters 3.2, 3.3) and Short-Run Macroeconomics (Chapters 4.0, 4.1)**

Discussion Section: Midterm Google Form Review

Lecture Quiz 4 Released on Wednesday April 23<sup>rd</sup>, Due Monday April 28<sup>th</sup>

### **Week 5: Midterm Exam (Chapters 1, 2, 3) (Monday)**

**Consumption Function and Short-Run Equilibrium (Chapters 4.1, 4.2, 4.3) (Wednesday)**

#### **Midterm Exam 1 on Monday, April 28<sup>th</sup>**

Discussion Section: Review Midterm

No Lecture Quiz

### **Week 6: Short-Run Equilibrium (Chapters 4.3) and Fiscal Policy (Chapter 5.1)**

Discussion Section Activity #3 due by the end of section

Lecture Quiz 5 released on Wednesday May 7<sup>th</sup>, Due Monday May 12<sup>th</sup>

### **Week 7: Tax Multiplier (5.1) and Deficits, Debts, and Money (Chapters 5.1, 5.2, 6.1)**

Discussion Section: Aggregate Expenditure Google Form Review

Lecture Quiz 6 Released Wednesday May 14<sup>th</sup>, Due Monday May 19<sup>th</sup>

### **Week 8: Deficits, Debts, and Money (Chapters 5.1, 5.2, 6.1)**

Discussion Section Activity #4 due by the end of section

Lecture Quiz 7 Released Wednesday May 21<sup>st</sup>, Due Wednesday May 28<sup>th</sup> (No class on May 26<sup>th</sup>)

### **Week 9: Monetary Policy (Chapters 6.1, 6.2, 6.3) and Aggregate Demand (7.1)**

Discussion Section: Monetary Policy Google Form Review

Lecture Quiz #8 Released Wednesday May 28<sup>th</sup>, Due June 2<sup>nd</sup>

### **Week 10: Aggregate Demand, Aggregate Supply (Chapters 7.1, 7.2, 7.3, 7.4)**

Discussion Section Activity #5 due by the end of section

Lecture Quiz #9 Released Wednesday June 4<sup>th</sup>, Due on Final Exam Day, Tuesday June 10<sup>th</sup> at 12pm

#### **Final Exam on Tuesday, June 10<sup>th</sup> at 12pm**

**Textbook Note:** I have taught this class for over 14 years and seven years ago, I introduced a textbook developed specifically for this course. The book received a lot of great feedback over the last few years, but the nature of the book is such that is changing every term based on student feedback. This quarter and summer, the book is being updated so I welcome all comments and suggestions to keep the book relevant.