



44710 - Macroeconomics I



Instructor: Amineh Mahmoudzadeh, mahmoodzadeh@sharif.edu

Office: Room 113.

Office Hours: Wednesdays 12:30 – 1:30 pm, and by appointment.

Phone: 66165863

Teaching Assistants:

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Office Hours: TBA

TA Sessions: Mondays 12:30-13:30.

Course Description: Macroeconomics is the study of the aggregate economy or the economy as a whole. While microeconomics examines the choices of individual households and firms, and how shocks and government policies can influence these decisions, macroeconomics examines the long-run growth of an entire economy and short-run fluctuations around this trend. Growth theory describes and explains how the main economic aggregates evolve on average over long periods of time, whereas business cycle theories which analyze the short-run movements of economic aggregates. The course is focused on: Introduction to Macroeconomics, Economic Growth, Business Cycles, Monetary Economics, Short-term Analysis, and Open Economy.

Prerequisites: Microeconomics I

References:

1. *[R] Romer, D. "Advanced macroeconomics.", 5th ed, 2019.
2. *[CSV] Campante, F., Federico S., and A. Velasco. Advanced macroeconomics: an easy guide. LSE Press, 2021.
3. *[K] Kurlat: A Course in Modern Macroeconomics, 1st ed, 2020.
4. *[M] Mishkin: The Economics of Money, Banking and Financial markets, 10th ed.
5. *[N] مباحثی از اقتصاد کلان پیشرفته، دکتر مسعود نیلی
6. [DLS] Doepke, Lehnert, Sellgren: Macroeconomics
7. [GLS] Garin, Lester, and Sims: Intermediate Macroeconomics, 2018.

Course Website: <http://gsme.sharif.edu/~mahmoodzadeh/Courses/macroIcw.sharif.edu>
<https://t.me/+uIFd6jRZrow5ODA0>

Grades:

Problem sets (10-11): 25%

Quiz (2-3): 10%

Midterm (01/2/8, 9:00): 20%

Final Exam (01/4/28, 9:00): 30% (full coverage)

Final Project (00/5/26): 10%

Class Participation: 5%

Changes in weights (up to 5%) may be applied due to realized contingencies.

Problem Sets:

- Problem sets are uploaded on Mondays, the due date is right before class, the next week.
- You are supposed to organize your two-person groups and collaborate on solving problem sets, but please consider that each person should submit his/her own work.
- Please add the signed “Honor Code” as your homework cover letter.
- In case of copying, all participants get zero for the first time, the next time, the final score of problem sets and quizzes decreases to zero, and for the third practice the final score would be zero or you should drop the course.
- There is no extension, in case of emergency issues, please inform me with a valid explanation before the deadline.
- You can drop one problem set.
- If you want your problem sets re-graded, please send your request to TA within one week upon the return of your problem set.

Project:

Please pick a country that has a notable experience of **growth, stagflation, or exchange crisis**, find at least 3 related academic papers, summarize and present them. Your group should deliver a presentation and a written report by 1401/05/26..

Step	Due Date
Topic selection	00/12/16
Paper selection	01/2/5
Primitive Presentation	01/3/23
Presentation	01/4/22
Submit project report	01/4/26

Teaching Assistants:

There are weekly TA sessions and TAs will go over the previous problem set in addition to some additional helpful problems. Attending these sessions is extremely recommended; otherwise, you

may lose lots of concepts and technical skills since they're complementary to the class materials. Additionally, the TAs are holding weekly office hours to answer your questions. Please try to take advantage of these hours to resolve any problems you might have with the materials or homework.

Communication:

The materials and announcements will be uploaded on the course website and on Channel. Also, we email you the important announcements. Please, frequently check them.

How to study (from here) :

1. Don't cram. Study over time by keeping up with the reading and exercises.
2. Read or skim chapters before coming to class, then reread after class.
3. Read actively, by taking notes and making an outline, and questioning yourself as you read. Note what you don't understand.
4. Stay focused and take good notes in class and try to follow the logic of the explanations.
5. Review your notes after class, and before the next class.
6. Be able to replicate graphs (shapes, labeling) and understand them, and apply them when a variable changes.
7. Work through lots of problems such as chapter problems and homework, and always draw a picture/graph when you can.
8. Find a study partner or study group and explain concepts to each other.
9. Ask me questions, both in class and at office hours, or via email. There is no such thing as a dumb question.

Macroeconomics may be considered quite a difficult course because it involves abstract thinking. You will need to spend considerable time preparing for class, reviewing notes, and practicing problems.

How do you know when you know the material?

1. The standard of "knowing" is the ability to explain to others, not to just understand.
2. Deep knowledge means understanding the facts and conclusions (the forest and the trees) and how they are interrelated.
3. Strive for flexible knowledge over rote memorization.

Don't just be familiar with the subjects and vocabulary; develop an ability to precisely recall the material.

Outline and Schedule:

Week	No.	Date			Subject	TA Session	Exams
1	1	Sunday	24	11	Introduction		

	2	Thursday	28	11			
2	3	Sunday	1	12	The Solow Growth Model	PS00-National Account	
	4	Tuesday	3	12			
3	5	Sunday	8	12		PS01-Solow	
	6	Thursday	12	12			
4	7	Sunday	15	12	Consumption and saving	WS01-Growth Diagnostics	
	8	Tuesday	17	12			
5	9	Sunday	22	12	Investment	PS03-Consumption	Q01-Up to Investment
	10	Tuesday	24	12			
6	11	Sunday	14	1	Labor and Leisure	PS04-Investment	
	12	Tuesday	16	1			
7	13	Sunday	21	1	General Equilibrium	PS05-Labor	
	14	Tuesday	23	1			
8	15	Sunday	28	1	General Equilibrium-RCK	PS06-General Equilibrium Model	
	16	Tuesday	30	1			
9		Sunday	4	2	Real Business Cycles-Facts	Review	Mid-Up to RCK
	17	Tuesday	6	2	Real Business Cycles		
10	18	Sunday	11	2		PS07-Ramsey & RBC	
		Tuesday	13	2			
11	19	Sunday	18	2	IS-LM, AS-AD	WS02-Money & Money Creation	
	20	Tuesday	20	2	Rational Expectation, Lucas SC		
12	21	Sunday	25	2	New Keynesian theories of fluctuations: A primer	PS08-RE & Lucas	
	22	Tuesday	27	2			
13	23	Sunday	1	3	Monetary policy	WS03-Monetary Policy in Iran	
	24	Tuesday	3	3			
14	25	Sunday	8	3	Public debt and the effectiveness of fiscal policy	PS09- NK & Monetary Policy	Q02-Up to Open Economy
	26	Tuesday	10	3			
15		Sunday	15	3	Open Economy	WS04-Government Debt in Iran	
	27	Tuesday	17	3			
16	28	Sunday	22	3	Epilogue	PS10-Fiscal Policy & Open Economy	
	29	Tuesday	24	3			
17	30	Sunday	29	4		WS05-Poverty in Iran	
		Tuesday	28	4	Final	Final	Final-All