

**COURSE DATA****DATA SUBJECT****Code:** 36794**Name:** Macroeconomics I**Cycle:** Undergraduate Studies**ECTS Credits:** 6**Academic year:** 2025-26**STUDY (S)**

Degree	Center	Acad. year	Period
1933 - Double Degree in Law and Economics_2022	Facultat d'Economia	3	First quarter

**SUBJECT-MATTER**

Degree	Subject-matter	Character
1933 - Double Degree in Law and Economics_2022	Asignaturas de tercer curso	COMPULSORY

**COORDINATION**

MURGUI GARCIA MARIA JOSE

**SUMMARY**

Macroeconomics is the field of economics that studies the determination of the main aggregate variables, such as output, inflation, unemployment, etc. The macroeconomic approach takes these variables as being the result of actions taken by households, firms and governments across all the markets in the economy. These variables are thought of as equilibrium prices and quantities in such markets.

This is the general equilibrium nature of macroeconomics. Thus, emphasis will be placed on understanding how these different markets work and how they interact with each other. The way markets work depends on the time perspective with which we look at them. Most macroeconomic phenomena are associated with the passage of time. This is the dynamic feature of macroeconomics. More than in any other field in economics, macroeconomists disagree about the causes of the observed outcomes.

These debates are based on different views of the way markets adjust, as well as on different interpretations of the available evidence. This is important because these different views are the basis of alternative actions taken by governments to tackle economic problems. Controversies are intrinsic to macroeconomics.

This course covers the theory of modern macroeconomics. The aim of the course is to equip students with



an understanding of how markets work in generating the observed macroeconomic outcomes and to provide them with a grasp of macroeconomic analysis at the intermediate-level using graphical techniques.

After an introductory topic, Topic 1 reviews the theory of aggregate supply and demand under price flexibility, both in the closed as well as in the open economy case. The macroeconomics of the long run is a straightforward extension of the topics studied in Intermediate Microeconomics and gives us a glimpse of how the main aggregate variables are determined in a market-clearing, frictionless economy. In this setting there is a clear separation between the determinants of real and nominal variables: the 'classical dichotomy'. Basically, output, employment and relative prices, including the real interest rate and the real exchange rate, are independent of the amount of money, which only determines long-run inflation.

In the short run though, output, unemployment and inflation fluctuate around their long-run values. Topics 2, 3 and 4 lay out the basic tenets of short-run macroeconomics. Labor and product market frictions induce firms to supply more output when nominal demand rises. We study how these frictions destroy the 'classical dichotomy' and give a prominent role to demand management (fiscal and monetary) policies. Then, we look in detail into how goods and financial markets interact to generate the aggregate demand curve (IS-LM), both in the closed and in the small open economy.

Topic 5 brings the analysis of the aggregate demand and supply in the short run into a unified framework. This is the canonical macroeconomic model that can be used to analyze the effect of shocks and policies on the main aggregate variables of interest: output, inflation, interest rate, etc.

In Topic 6 we focus on explaining the anatomy of the financial crisis. We do a reconsideration of both, the goods market: consumption, investment and credit and the financial markets ( and the credit multiplier).

The course combines both lectures and classes. The exercises to be discussed in the classes are an integral part of the course. The final exam will contain both theory questions and exercises.

## PREVIOUS KNOWLEDGE

## RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE

There are no specified enrollment restrictions with other subjects of the curriculum.

## OTHER REQUIREMENTS

Introductory Macroeconomics and Basic Maths

## COMPETENCES / LEARNING OUTCOMES

## DESCRIPTION OF CONTENTS



## **1. Introduction**

- 1.1 From micro to macroeconomics. General equilibrium: Markets and agents, prices and quantities.
- 1.2 The short run versus the long run.
- 1.3 Saving and investment: closed and open economies.
- 1.4 Money and prices in the long run.

Mankiw, Chapters 3, 4, 5 and 6.

## **2. The short-term aggregate supply curve**

- 2.1 From the long to the short term: the slope of the supply curve.
- 2.2 The aggregate supply curve with rigid wages.
- 2.3 The aggregate supply curve with imperfect information.
- 2.4. The Phillips curve: unemployment and inflation expectations.

Mankiw, Chapters 10 and 14.

## **3. Aggregate demand: the IS-LM model**

- 3.1 The market for goods and services: the IS curve.
- 3.2 Financial Markets: the LM curve
- 3.3 The aggregate demand curve of the economy.

Mankiw, Chapters 11 and 12.

## **4. Aggregate demand in the open economy**

- 4.1 Mundell-Fleming model.
- 4.2 Flexible exchange rates.
- 4.3 Fixed Exchange rates.
- 4.4 Aggregate demand in the open economy. Policies in the short run (fixed prices)

Mankiw, Chapter 13



## 5. Aggregate supply and aggregate demand. The complete macroeconomic model

- 5.1 The long run AD-AS model: closed economy.
- 5.2 The long run AD-AS model: open economy.
- 5.3 The short run AD-AS model: closed economy.
- 5.4 The short run AD-AS model: open economy.

Mankiw, Chapters 10, 12.2 (Chap.12), 13.6 (Chap.13) i Appendix Chap.14

## 6. The economy of the financial crisis

- 6.1 The anatomy of the crisis.
- 6.2 Reconsideration of the goods market: consumption, investment and credit.
- 6.3 Financial Markets and the credit multiplier.
- 6.4 Liquidity trap and the new monetary policy options.
- 6.5 The effectiveness and limitations of fiscal policy.

Mankiw, Chapters 12 (12.3) and 18 (18.2)

## WORKLOAD

### PRESENCIAL ACTIVITIES

Activity	Hours
Theoretical and practical classes	60,00
<b>Total hours</b>	<b>60,00</b>

### NON PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at other activities	0,00
Individual or group project	20,00
Independent study and work	30,00
Preparation of lessons	35,00
Preparation for assessment activities	5,00
Resolution of case studies	0,00
<b>Total hours</b>	<b>90,00</b>

## TEACHING METHODOLOGY



Macroeconomics I: both in classes theoretical as practical, will be geared towards combining work capacity individual with teamwork.

- For theoretical classes: students will prepare in advance the readings that serve as the basis for the theoretical explanation. The teacher will combine his explanations with the active participation of the students. It aims to make the student develop both his autonomous work capacity (with previous work in class), as their ability to work as a team, argue and defend ideas (group discussions) and their ability to communicate orally, writing.
- For the practical classes students will prepare a set of exercises and practical cases that will be worked in the classroom. On the one hand, each individual student will have to prepare these tasks and, on the other each week, a group of students will prepare a set of exercises, readings and cases that will be resolved and will be presented in the classroom to the rest of their classmates.

Part of the tasks to be carried out will be based on the search of information on the websites of recognized economic institutions and statistics and on the economic pages of the press. It is intended that the student develop his ability to locate information, select it and evaluate its quality, develop your thoughts by analyzing schemes and contrasting them with data, work in groups in a coordinated way, solve problems, and communicate their opinions and results with clarity.

The planned tasks, both individual and joint, may result in different deliveries of results (exercises, works, presentations), which will be evaluated by the teacher.

## EVALUATION

The subject of Macroeconomics I will be evaluated based on the consideration, by this order of relevance, of the following aspects:

1. Written exam at the end of the course that will consist of theoretical questions and practices.
2. Evaluation of the practical activities developed by the student during the course, from the elaboration of works, oral presentations and problem solving.
3. Continuous evaluation of the student, based on their participation and involvement in the teaching learning process.

In the subject of Macroeconomics I, the total evaluation is broken down as follows:

- 30% corresponds to the evaluation of the different activities developed throughout the course and the active participation of the Student.
- 70% corresponds to the final synthesis test.

The activities carried out and evaluated throughout the course will not be recoverable, since, by its nature, it is not possible to design a test within the framework of the second call that is able to reflect and evaluate the objectives for which these activities are planned : effort to learn and progress in acquiring knowledge



about the design of a test.

The final synthesis test has a mandatory nature and to pass it (obtaining a minimum of 3.5 out of 7 points) is an indispensable condition for passing the subject. The subject will be considered approved if the student obtains 5 points out of 10, for which he can combine continuous evaluation and final synthesis test.

In case of not performing the tasks of continuous evaluation the student will only be able to obtain the points of the final test (7 maximum), and would need obtain a 5 out of 7 in this exam to be able to pass the subject.

## REFERENCES

- Mankiw, N.G. Macroeconomía, 10ª edición, 2020. Antoni Bosch editor
- Dornbusch, R., Fischer, S. y Startz, R. Macroeconomía (decimotercera edición, 2020) Ed. McGraw-Hill, Madrid, 2020
- Mankiw, N.G, Principios de Economía (8ª edición, 2020) Ed. Cengage
- Abel, A.B., Bernanke, B.S. y Croushore, D. Macroeconomics (10th edition), Ed. Pearson, 2020
- Blanchard, O. Macroeconomía. 7ª ed. (2017). Ed. Pearson
- Delong, J.B y Olney, M. Macroeconomía (segunda edición, 2007) Ed. Mc Graw Hill, Madrid 2007
- Aghion P., C. Antonin, S. Brunel. El poder de la destrucción creativa. Deusto. 2021
- Dasgupta, P. Economía, una breve introducción. Alianza Editorial. 2009
- Rodrick, D. Las leyes de economía. Deusto. 2016.
- Ruiz J.R., M.J. Murgui y A. Cubel. El model de creixement econòmic valencià. Demos 14. Fundació Nexè. Riurau Editors. 2021.
- Stiglitz, J. E. Los felices 90. La semilla de la destrucción. Ed. Taurus. Madrid 2003.