

**COURSE DATA****DATA SUBJECT**

**Code:** 44944  
**Name:** Macroeconomics  
**Cycle:** Master's Degree  
**ECTS Credits:** 5  
**Academic year:** 2025-26

**STUDY (S)**

Degree	Center	Acad. year	Period
2242 - Master's Degree in Economics	Facultat d'Economia	1	First quarter

**SUBJECT-MATTER**

Degree	Subject-matter	Character
2242 - Master's Degree in Economics	Analytic matter-Conceptual	COMPULSORY

**COORDINATION**

GRANERO PEÑARRUBIA LUIS MIGUEL

**SUMMARY**

This course introduces students to the fundamental building blocks of modern macroeconomics. The focus is on comprehending various theoretical approaches and their significance in macroeconomic policy, encompassing both real and monetary aspects of economies. By the end of the course, students should be familiar with the following topics:

- Economic Growth
- Unemployment
- Business Cycle and Monetary Policy
- Consumption and Investment Theory

Tutorials will be used to solve problem sets and introduce the use of simple DSGE models to simulate policy outcomes.

**PREVIOUS KNOWLEDGE**



## RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE

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

## OTHER REQUIREMENTS

Students are expected to hold some knowledge on basic macroeconomics. Therefore, it would be wise to go over any of the intermediate macroeconomics reference books previous to the starting of the course.

## COMPETENCES / LEARNING OUTCOMES

### 2242 - Master's Degree in Economics

Students should apply acquired knowledge to solve problems in unfamiliar contexts within their field of study, including multidisciplinary scenarios.

Students should be able to integrate knowledge and address the complexity of making informed judgments based on incomplete or limited information, including reflections on the social and ethical responsibilities associated with the application of their knowledge and judgments.

Students should communicate conclusions and underlying knowledge clearly and unambiguously to both specialized and non-specialized audiences.

Students should demonstrate self-directed learning skills for continued academic growth.

Students should possess and understand foundational knowledge that enables original thinking and research in the field.

## DESCRIPTION OF CONTENTS

### 1. Exogenous growth theories

### 2. Endogenous growth

### 3. Unemployment

### 4. Stochastic models of the business cycle



## 5. Consumption and investment

### WORKLOAD

#### PRESENCIAL ACTIVITIES

Activity	Hours
Theory	40,00
Classroom practices	10,00
<b>Total hours</b>	<b>50,00</b>

#### NON PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at other activities	0,00
Individual or group project	0,00
Independent study and work	75,00
Preparation of lessons	0,00
Preparation for assessment activities	0,00
Resolution of case studies	0,00
<b>Total hours</b>	<b>75,00</b>

### TEACHING METHODOLOGY

The course combines lectures and tutorial classes. The core concepts are introduced during the lectures, providing a foundational understanding. In tutorial classes, these concepts are further expanded upon, and their practical application is explored using various tools, including exercise solving. All relevant materials will be provided in advance.

### EVALUATION

The final mark will be an average of continuous assessment (30%) and a final written exam (70%) at the end of Term 1. Continuous assessment will be made on the basis of problem set solutions, class involvement and completion of additional projects. Continuous assessment will not be recoverable.

### REFERENCES

- Barro, R.J and X. Sala i Martín (2004), Economic Growth, MIT Press. - Campante F., F. Sturzenegger and A. Velasco (2021), Advanced Macroeconomics - An Easy Guide, LSE Press (available at <https://press.lse.ac.uk/site/books/m/10.31389/lsepress.ame/>). - Galí, J. (2009), Monetary Policy, Inflation and the Business Cycle: An Introduction to the New Keynesian



Framework, Princeton University Press. - Sørensen, P.B. and H.J. Whitta-Jacobsen (2022),  
Introducing Advanced Macroeconomics: Growth and Business Cycles, 3rd edition, Oxford  
University Press. - Walsh, C. (2017), Monetary Theory and Policy, 4th edition, MIT Press.

- Romer D. (2018), Advanced Macroeconomics, 5th edition, Mc Graw Hill.