

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

Code: 36807
Name: Dynamic macroeconomics
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	5	First quarter

SUBJECT-MATTER

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

COORDINATION

BOSCA MARES JOSE EMILIO

SUMMARY

The objective of the Dynamic Macroeconomics subject is the study of the intertemporal decisions of consumers (savings and job offer), of the intertemporal decisions of companies (investment and price determination). The approach is mostly general equilibrium, analyzing both short-term and long-term aspects. Special relevance is given to the analysis of macroeconomic policies, mainly monetary and fiscal policy.

PREVIOUS KNOWLEDGE**RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE**

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

OTHER REQUIREMENTS

Knowledge of intermediate macroeconomics acquired in the subjects Macroeconomics I and Macroeconomics II.



COMPETENCES / LEARNING OUTCOMES

DESCRIPTION OF CONTENTS

1. Economic growth

- 1.1. Long run growth: stylized facts
- 1.2. A basic model of exogenous growth
- 1.3. Growth and convergence

References:

Romer, D. (2019): Advanced Macroeconomics (5th edition), McGraw-Hill, Ch. 1.

2. Models of endogenous growth

- 2.1. Other facts
- 2.2. Models of Endogenous Growth
- 2.3. Learning by doing, human capital and growth

References:

Romer, D. (2019): Advanced Macroeconomics (5th edition), McGraw-Hill, Ch. 3.

Sala-i-Martin, X. (1994): Apuntes de Crecimiento Económico, Antoni Bosch Editor, Chs. 7 and 8.

3. Alternative models of business cycle

- 3.1. Growth and economic cycles
- 3.2. The basic model of the real cycle
- 3.3. Money and inflation in the classic model



References:

Romer, D. (2019): Advanced Macroeconomics (5th edition), McGraw-Hill, Chs. 1 and 4.

4. The Neo-Keynesian canonic model

- 4.1. Forward-looking Aggregate supply and demand
- 4.2. Monetary rule and price determination
- 4.3. Monetary policy in the Neo-Keynesian canonic model

References:

Romer, D. (2019): Advanced Macroeconomics (5th edition), McGraw-Hill, Chs. 6, 7, and 12.

5. Expectations and macroeconomic policy in the Neo-Keynesian model

- 5.1. The structural time of interest rates
- 5.2. Optimal monetary policy
- 5.3. Credibility in a model with expectations

References:

Romer, D. (2019): Advanced Macroeconomics (5th edition), McGraw-Hill, Chs. 12 and 13.

WORKLOAD

PRESENCIAL ACTIVITIES

Activity	Hours
Theoretical and practical classes	60,00
Total hours	60,00

NON PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at other activities	0,00
Individual or group project	0,00
Independent study and work	25,00
Preparation of lessons	45,00



Preparation for assessment activities	20,00
Resolution of case studies	0,00
Total hours	90,00

TEACHING METHODOLOGY

The development of the subject is structured around several elements:

Classes are divided into theory classes (2 hours a week in which the contents of the subject are developed by the teacher) and practical exercises (2 hours a week in which different types of exercises are solved that help to assimilate the theoretical contents).

For the preparation of the theory topics, notes that collect the most formal aspects of them will be provided. For the preparation of the practical classes, a booklet of exercises similar to those that will be proposed in the final exam of the subject will be made available to the students.

Students are expected to follow the theoretical classes in person and to participate actively, by delivering and solving exercises on the blackboard, in the practical classes.

EVALUATION

During the course, in addition to the official final exam, two multiple choice tests will be held.

The final grade for the course will be the result of the following sum: for the final exam of the course, up to a maximum of 8 points; for each multiple choice test, up to a maximum of 1 point (2 points for the two tests); for delivery of exercises and resolution on the blackboard 1 point. In the event that a grade greater than 10 points is obtained in this way, the final grade will be limited to 10, although the total grade will be considered for the assignment of honors.

Students who do not attend at least 80 percent of the practical classes will not be eligible for the point for delivery of exercises.

For the three points for multiple choice tests and the delivery of exercises to be applied, the mark in the final exam must be at least 3 points out of 8.

The rating for Continuous Assessment activities is non-recoverable. It is not possible to design a test within the framework of the second call that is capable of reflecting and assessing the objectives for which these activities are designed: effort to learn and progress in the acquisition of knowledge.



REFERENCES

Basic

- Romer, D. (2006): *Macroeconomía Avanzada* (3a edición), McGraw-Hill.
Romer, D. (2019): *Advanced Macroeconomics* (5th edition), McGraw-Hill.

Additional

- Sala-i-Martin, X. (1994): *Apuntes de Crecimiento Económico*, Antoni Bosch Editor.
García de Paso, Valero Perandones, Pérez Sánchez, García Greciano (2016): *Crecimiento económico: Modelos teóricos y ejercicios resueltos*, Ed. Pearson.
Gillman, M. (2011): *Advanced modern macroeconomics. Analysis and application*, Ed. Prentice Hall