

**Macroeconomics II**

Code: 102383  
ECTS Credits: 6

Degree	Type	Year	Semester
2501572 Business Administration and Management	OT	4	0
2501573 Economics	OB	3	1

**Contact**

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**Use of languages**

Principal working language: spanish (spa)  
Some groups entirely in English: Yes  
Some groups entirely in Catalan: Yes  
Some groups entirely in Spanish: Yes

**Teachers**

Francisco Obiols Homs

**Prerequisites**

Introduction to Economics  
Mathematics 1  
Mathematics 2  
Statistics 1  
Macroeconomics 1

**Objectives and Contextualisation**

The aim of the course is to analyze basic macroeconomic general equilibrium models. With these models we study rigorously the issue of unemployment and the effect of fiscal policy on economic variables. Their study also helps to complete the model of aggregate supply and demand seen in Macroeconomics I and is the starting point of the growth models that will be presented in Macroeconomics III.

**Skills**

**Business Administration and Management**

- Apply mathematical instruments to synthesise complex economic-business situations.
- Capacity for independent learning in the future, gaining more profound knowledge of previous areas or learning new topics.
- Capacity for oral and written communication in Catalan, Spanish and English, which enables synthesis and oral and written presentation of the work carried out.
- Demonstrate an understanding of the basic and intermediate foundations of macroeconomics.

- Demonstrate initiative and work individually when the situation requires it.
- Demonstrate knowledge of the interrelationships between different economies, the role of national and international economies, their evolution and the consequences that may be produced for the company.
- Organise the work in terms of good time management, organisation and planning.
- Select and generate the information necessary for each problem, analyse it and take decisions based on that information.
- Show motivation for carrying out quality work and sensitivity to the consequences for the environment and society.

### **Economics**

- Demonstrate knowledge of the interrelationships between different economies, the role of national and international economies, their evolution and the consequences that may be produced for the company.

## **Learning outcomes**

1. A capacity of oral and written communication in Catalan, Spanish and English, which allows them to summarise and present the work conducted both orally and in writing.
2. Capacity to continue future learning independently, acquiring further knowledge and exploring new areas of knowledge.
3. Demonstrate initiative and work independently when required.
4. Demonstrate motivation regarding the quality of the work performed and sensitivity regarding the consequences on the environment and society.
5. Describe the functioning of the labour market and its frictions.
6. Explain the effects of fiscal and monetary policies on the economy using dynamic general equilibrium models.
7. Formalise the intertemporal decisions of saving, consumption and investment.
8. Organise work, in terms of good time management and organisation and planning.
9. Recognise the models of economic fluctuation of real and New Keynesian economic cycles.
10. Relate unemployment and inflation.
11. Select and generate the information needed for each problem, analyse it and make decisions based on this information.
12. Understand the dynamic nature of economic decisions, and the microeconomic foundations of modern macroeconomics.

## **Content**

### **TOPIC 1: CONSUMPTION, SAVINGS AND THE INTERTEMPORAL DECISION**

#### **1.1 The consumer's intertemporal problem**

#### **1.2 The competitive equilibrium**

#### **1.3 The life cycle hypothesis**

#### **1.4 The permanent income hypothesis**

### **TOPIC 2: THE LABOUR MARKET AND UNEMPLOYMENT**

#### **2.1 The consumption-leisure decision and the labor supply**

#### **2.2 Labour demand**

#### **2.3 Competitive equilibrium in the labour market: the classical model**

#### **2.4 Efficiency of the classical model**

#### **2.5 Unemployment definitions**

#### **2.6 Models with unemployment without matching frictions**

## 2.7 Models with unemployment with matching frictions

### TOPIC 3: INVESTMENT

#### 3.1 The neoclassical investment function

#### 3.2 Investment and Tobin's q

### TOPIC 4: FISCAL POLICY

#### 4.1 Competitive equilibrium with lump sum and proportional taxes

#### 4.2 The ricardian equivalence theorem

#### 4.3 Deficit and public debt: the sustainability of public deficits

#### 4.4 Social security and pensions

### TOPIC 5: MONETARY POLICY

#### 5.1 Monetary aggregates

#### 5.2 Monetary policy of the European Central Banc

#### 5.3 The money multiplier

#### 5.4 Money demand: the Baumol-Tobin model

#### 5.5 The Diamond-Dybvig model of bancs

### TOPIC 6: MACROECONOMIC POLICY WITH IMPERFECT INFORMATION

#### 6.1 The Lucas supply curve

#### 6.2 The Lucas model with rational expectations

#### 6.3 The Phillips curve

#### 6.4 The macroeconomic model with the Phillips supply curve and the role of expectations

#### 6.5 The intertemporal inconsistency of macroeconomic policy

## Methodology

In this subject we combine classical lectures with ICT support together with more applied sessions devoted to solving problems and exercises lists.

## Activities

Title	Hours	ECTS	Learning outcomes
<b>Type: Directed</b>			
Homework and group discussion	16	0.64	1, 2, 3, 5, 12, 6, 7, 8, 9, 10, 11
Lectures	34	1.36	1, 5, 12, 6, 7, 4, 8, 9, 10, 11
<b>Type: Supervised</b>			

Office Hours	15	0.6	5, 12, 6, 7, 4, 9, 10, 11
<b>Type: Autonomous</b>			
Studying, homework preparation and group discussion	79	3.16	1, 2, 3, 5, 12, 6, 7, 4, 8, 9, 10, 11

## Evaluation

### Evaluation criteria:

The evaluation of the course will be held continuously and will include four evaluation activities of two different typologies: a final exam with a weight of 50% in the final grade, two midterm exams that will compute a 20% of the final grade each one and a problem set that will compute 10% of the final grade.

All students are required to perform the evaluation activities. If the student's grade is 5 or higher, the student pass the course and it can not be subject to further evaluation. In the case of less than 3,5, the student will have to repeat the course the following year. For those students who have obtained a grade that is equal to or greater than 3,5 and less than 5 there will be a re-evaluation. The teachers of the subject will decide the modality of this re-evaluation. This re-evaluation is scheduled in the last week of the semester. The grade of the re-evaluation will be qualitative and will only have two options: either PASS or FAIL. If the student gets a score of PASS is considered to have passed the subject with a maximum numerical grade equal to 5. If the student gets a grade of FAIL, does not pass the subject and the final score is equal to the grade obtained before the re-evaluation.

A student who does not performs any evaluative task is considered not evaluable, therefore, a student who performs a continuous assessment component can no longer be qualified with a "not evaluable".

### Calendar of evaluation activities

The dates of the evaluation activities (midterm exams, exercises in the classroom, assignments, ...) will be announced well in advance during the semester.

The date of the final exam is scheduled in the assessment calendar of the Faculty.

*"The dates of evaluation activities cannot be modified, unless there is an exceptional and duly justified reason why an evaluation activity cannot be carried out. In this case, the degree coordinator will contact both the teaching staff and the affected student, and a new date will be scheduled within the same academic period to make up for the missed evaluation activity."* **Section 1 of Article 115. Calendar of evaluation activities**

**(Academic Regulations UAB).** Students of the Faculty of Economics and Business, who in accordance with the previous paragraph need to change an evaluation activity date must process the request by filling out an

### Application for exams' reschedule

[https://eformularis.uab.cat/group/deganat\\_feie/application-for-exams-reschedule](https://eformularis.uab.cat/group/deganat_feie/application-for-exams-reschedule)

### Grade revision process

After all grading activities have ended, students will be informed of the date and way in which the course grades will be published. Students will be also be informed of the procedure, place, date and time of grade revision following University regulations.

### Retake Process

*"To be eligible to participate in the retake process, it is required for students to have been previously been evaluated for at least two thirds of the total evaluation activities of the subject."* **Section 3 of Article 112 ter. The recovery (UAB Academic Regulations).** Additionally, it is required that the student to have achieved an **average grade of the subject between 3.5 and 4.9.**

The date of the retake exam will be posted in the calendar of evaluation activities of the Faculty. Students who take this exam and pass, will get a grade of 5 for the subject. If the student does not pass the retake, the grade will remain unchanged, and hence, student will fail the course.

### Irregularities in evaluation activities

In spite of other disciplinary measures deemed appropriate, and in accordance with current academic regulations, *"in the case that the student makes any irregularity that could lead to a significant variation in the grade of an evaluation activity, it will be graded with a 0, regardless of the disciplinary process that can be instructed. In case of various irregularities occur in the evaluation of the same subject, the final grade of this subject will be 0".* **Section 10 of Article 116. Results of the evaluation. (UAB Academic Regulations).**

### Evaluation activities

Title	Weighting	Hours	ECTS	Learning outcomes
2 Midterm exams	40%	2	0.08	1, 2, 3, 5, 12, 6, 7, 4, 8, 10, 11
Final exam	50%	2	0.08	1, 2, 3, 5, 12, 6, 7, 4, 8, 9, 10, 11
Problem set	10%	2	0.08	1, 2, 3, 5, 12, 6, 7, 4, 8, 9, 10

### Bibliography

Williamson S.D. (2014); Macroeconomics 5th Edicion, Pearson