

**COURSE PROGRAM**  
**MACROECONOMICS III**  
**Academic Year: 2023/2024**

Identification and characteristics of the course			
Code	500432-EN	ECTS Credits	6
Course name (English)	Macroeconomics III		
Course name (Spanish)	Macroeconomía III		
Degree programs	Degree in Economics <sup>(1)</sup> Dual Degree in Business Administration + Economics <sup>(2)</sup>		
Faculty/School	Facultad de Ciencias Económicas y Empresariales		
Semester	6 <sup>th</sup> <sup>(1)</sup> / 8 <sup>th</sup> <sup>(2)</sup>	Type of course	Compulsory
Module	Economic Analysis		
Matter	Macroeconomics		
Lecturer/s			
Name	Office	E-mail	Web page
Francisco Javier De Miguel Vélez	68	<a href="mailto:demiguel@unex.es">demiguel@unex.es</a>	
Subject Area	Fundamentals of Economic Analysis		
Department	Economics		
Coordinating Lecturer (If more than one)	Francisco Javier De Miguel Vélez		
Competencies*			
<b>CB1:</b> That students have demonstrated knowledge and understanding in an area of study based on the general secondary education, and is often at a level that, while supported by advanced textbooks, also includes some aspects that involve knowledge from the cutting edge of their field of study.			
<b>CB2:</b> That students know how to apply their knowledge to their work or vocation in a professional way and possess the skills that are usually demonstrated through the elaboration and defence of arguments and the resolution of problems within their area of study.			
<b>CB3:</b> That students have the ability to gather and interpret relevant data (usually within their area of study) to make judgments that include reflection on relevant social, scientific or ethical issues.			
<b>CB4:</b> That students can convey information, ideas, problems and solutions to both specialized and non-specialized audiences.			

\* The sections concerning competencies, course outline, educational activities, teaching methodologies, learning outcomes and assessment systems must conform to that included in the ANECA verified document of the degree program.

<b>CB5:</b> That students have developed those learning skills necessary to undertake further studies with a high degree of autonomy.
<b>CG1:</b> Ability to identify and anticipate relevant economic problems, both in the private and public spheres, to discuss resolution alternatives and to select the most appropriate ones.
<b>CG2:</b> Ability to bring rationality to the analysis and description of any aspect of economic reality.
<b>CT1:</b> Computer skills and mastery of ICT.
<b>CT2:</b> Oral and written communication skills in Spanish language.
<b>CT3:</b> Oral and written communication skills in a foreign language.
<b>CT4:</b> Ability to manage, analyse and synthesize information.
<b>CT5:</b> Ability to work in a team.
<b>CT8:</b> Ability to learn autonomously.
<b>CT10:</b> Problem solving skills.
<b>CT12:</b> Organizational and planning skills.
<b>CE2:</b> Ability to know, understand and use the principles of Macroeconomics.

### Contents

#### Course outline\*

The matter **MACROECONOMICS** develops the basic contents analysed in the subject *Macroeconomics* included in the Basic Training Module (1st course). The contents of this matter considered in this course will be the following ones:

- Economics in the long run: economic growth, labour market and unemployment, monetary economics and inflation.
- Growth accounting. Solow's model. Capital accumulation. Human capital. Endogenous growth.

#### Course syllabus

##### **Name of Lesson 1: THE LABOUR MARKET**

Contents of Lesson 1: The labour market: main variables and flows. Movements in unemployment. Wage determination. Price determination. Natural rate of unemployment.

Description of the practical activities of Lesson 1: Resolution of questions, problems and case studies/supplementary readings.

##### **Name of Lesson 2: PUTTING ALL MARKETS TOGETHER: THE AS (Aggregate Supply) – AD (Aggregate Demand) MODEL**

Contents of Lesson 2: The aggregate supply. The aggregate demand. Equilibrium in the short run and in the medium run. Effects of a monetary expansion. Effects of a fiscal contraction (decrease in the budget deficit). Effects of changes in the price of oil.

Description of the practical activities of Lesson 2: Resolution of questions, problems and case studies/supplementary readings.

##### **Name of Lesson 3: THE NATURAL RATE OF UNEMPLOYMENT AND THE PHILLIPS CURVE**

Contents of Lesson 3: Inflation, expected inflation and unemployment. The Phillips curve: the early version. The modified Phillips curve. Back to the natural rate of unemployment. Variations in the natural rate across countries. Variations in the natural rate over time. High inflation and the Phillips curve relation. Deflation and the Phillips curve relation.

Description of the practical activities of Lesson 3: Resolution of questions, problems and case studies/supplementary readings.

**Name of Lesson 4: INFLATION, ACTIVITY AND NOMINAL MONEY GROWTH**  
 Contents of Lesson 4: Output, unemployment and inflation: Okun's law, the Phillips curve and the aggregate demand relation. The effects of money growth: the medium run and the short run. Disinflation.  
 Description of the practical activities of Lesson 4: Resolution of questions, problems and case studies/supplementary readings.

**Name of Lesson 5: ECONOMICS IN THE LONG RUN: ECONOMIC GROWTH**  
 Contents of Lesson 5: The facts of economic growth. Growth accounting. Growth theory: capital accumulation, the golden rule, population growth, technological progress. Endogenous growth.  
 Description of the practical activities of Lesson 5: Resolution of questions, problems and case studies/supplementary readings.

**Educational activities \***

Student workload in hours by lesson		Lectures	Practical activities				Monitoring activity	Homework
Lesson	Total	L	HI	LAB	COM	SEM	SGT	PS
1	18	6				2		10
2	40.25	11				4	1.25	24
3	20	6				2		12
4	22.25	7				2	1.25	12
5	48	13.25				5.25	1.75	27.75
<b>Assessment **</b>	1,5	1.5						
<b>TOTAL</b>	<b>150</b>	<b>44.75</b>				<b>15.25</b>	<b>4.25</b>	<b>85.75</b>

L: Lectures (100 students)  
 HI: Hospital internships (7 students)  
 LAB: Laboratory or field practices (15 students)  
 COM: Computer room or language laboratory practices (30 students)  
 SEM: Problem classes or seminars or case studies (40 students)  
 SGT: Scheduled group tutorials (educational monitoring, ECTS type tutorials)  
 PS: Personal study, individual or group work and reading of bibliography

**Teaching Methodologies\***

1. Expository method that consists of the presentation by the lecturer of the contents on the subject of study.
2. Expository method that consists of the presentation by the lecturer of examples or problems and how to solve them.
3. Method based on problem posing by the lecturer and problem solving by the students based on the application of problem solving procedures.
4. Method based on intensive analysis of real or simulated cases in order to interpret, solve, reflect and complete knowledge.
5. Collaborative method for group work that allows to broaden and deepen theoretical knowledge by searching relevant sources of information and data and applying them.
6. Method by which the student takes a test that serves to reinforce his learning and as an evaluation tool.

**Learning outcomes \***

The learning outcomes take the form of knowledge and understanding of the principles of macroeconomic analysis and its use in identifying and analysing relevant

\*\* Indicate the total number of evaluation hours of this subject.

economic problems related to the functioning of the economy at an aggregate level in the medium and long run.

## Assessment systems \*

### (1) ASSESSMENT SYSTEMS

According to the Assessment Regulations of the University of Extremadura, there are two alternative assessment systems: continuous assessment system and global assessment system.

**A) CONTINUOUS ASSESSMENT SYSTEM.** This system will consist of two parts: practical activities and a final exam.

- **PRACTICAL ACTIVITIES:** these will constitute **30%** of the final mark. They will may be both in-class or non-classroom activities. If a student does not carry out any of the proposed activities, his/her grade in that activity will be 0 points. All these activities will be **non-recoverable**.

- **FINAL EXAM:** it will represent the remaining **70%** of the final mark. This exam will cover all the content of the course. In order to pass the subject, it is compulsory to obtain a **minimum score of 4 points** in the final exam.

**B) GLOBAL ASSESSMENT SYSTEM.** Assessment system consisting exclusively of a final exam to be held on the official date of each call.

This final exam will cover all the contents of the course, including those covered in the practical activities. For this reason, it will be a different exam from the one corresponding to the continuous assessment system (although with the same general structure).

### (2) CHOICE OF ASSESSMENT SYSTEM AND DEADLINES

The **choice of the global assessment system** is up to the students, who may do so for each of the calls (ordinary and extraordinary) through the specific link created for this purpose on the Virtual Campus. The choice of the global assessment system must be made during the first quarter of the teaching period or until the last day of the extended enrolment period if this ends after this period.

**In the absence of an express request by the student, it will be assigned the continuous assessment system.**

The choice of the global assessment system implies the renunciation of the right to continue the assessment of the remaining activities of the continuous assessment system and of the grade obtained up to that moment in any of the activities that have already taken place.

### (3) TYPE OF EXAM

For the two assessment systems mentioned above, the final exam in all calls will be made up of two parts:

- 1) A first part will include several **multiple choice questions (test)**, both theoretical and practical. It will make up **40%** of the exam grade. The questions correctly

answered will have a positive score, while those answered incorrectly will have a negative score; unanswered questions will neither add nor subtract a score.

2) A second part, also theoretical-practical, consisting of **theoretical questions, graphic developments and/or problem solving**. This second part will make up the remaining **60%** of the final exam grade.

#### **(4) CONDUCT OF THE ASSESSMENT TESTS**

At any time during the assessment tests, the teaching staff may require the identification of the students in attendance, who must show their student ID card, national identity card, passport or, failing this, sufficient proof in the opinion of the teaching staff.

No material other than that distributed and authorised by the teaching staff may be used for the assessment tests.

The use or possession of fraudulent means, both documentary and electronic, and failure to comply with the rules previously established by the teaching staff, in any test, will result in expulsion from the same. Fraudulent performance in any assessment test will result in a grade of Fail, with a "0" mark in the corresponding call, regardless of the fact that the teaching staff may request the opening of an informative/disciplinary file before the Chancellor of the University of Extremadura.

#### **5) GRADING SYSTEM**

The subject will be graded from 0 to 10 points, to one decimal place, adding the traditional Spanish qualitative grade, according to the following ranges: from 0 to 4.9 (*suspense*); from 5.0 to 6.9 (*aprobado*); from 7.0 to 8.9 (*notable*); from 9.0 to 10 (*sobresaliente*).

#### **Bibliography (basic and complementary)**

##### **BASIC:**

- **Blanchard, O. (2017): *Macroeconomics (7th edition)*, Ed. Pearson.**  
[previous editions of this textbook will be used in some units of the course]
- Mankiw, N.G. (2019): *Macroeconomics* (10th edition), Ed. Macmillan.  
[reference textbook for Unit 5]

##### **COMPLEMENTARY:**

- Dornbusch, R.; Fischer, S. and Startz, R (2018): *Macroeconomics* (13th edition), Ed. McGraw-Hill.
- Belzunegui, B.; Cabrerizo, J.; Padilla, R. and Valero, I. (2013): *Macroeconomía: problemas y ejercicios resueltos* (3rd edition), Ed. Pearson.

#### **Other resources and complementary educational materials**

Support material and additional resources will be made available to students through the virtual classroom of the subject (**Virtual Campus, University of Extremadura**).