

Name of subject:

ECONOMICS I

Contact: johannes.gierlinger at uab.es**Code:** OB**Term:** Year 1, Semester 1**ECTS Credits:** 15**Working language:** English**Instructors**

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Objectives and Contextualization

This module is the first of two parts of the core in modern macroeconomics and microeconomics. This module introduces in a formal and analytic way the basic principles of macroeconomics and microeconomics. The student learns how to analyze economic problems and derive the implications using techniques and tools that are typical of mathematical sciences. Microeconomics focuses both on consumer and production decision theory. Macroeconomics presents the advanced analytical tools that are necessary for the analysis of dynamic problems.

Skills

CB6	To acquire the knowledge that provides the basis for originality in developing and/or applying ideas, often in a research context
CB9	The students can communicate their conclusions to both specialists and non-specialists in a clear and unambiguous way
CB10	Students must have the learning skills necessary to continue studying in a way that is, mostly, self-directed and autonomous

Learning Outcomes

Specific:

E01	Ability to articulate the fundamentals of economic theory analytically, deriving them with mathematical reasoning
E01.03	To describe analytically a simple economic problem
E01.04	To understand the advantages and disadvantages of the neoclassical assumptions
E04	To analyze a particular economic problem using advanced analytical tools
E04.02	To frame an economic question in Microeconomics or Macroeconomics as a mathematical problem and derive its response with mathematical logic
E06	To provide policy recommendations both at the micro and macro levels
E06.01	To interpret the modeling strategy of the classical problem, the main conclusions and the limitations

General:	
GT02	To use new information technology to solve problems in the professional activity
GT04	To form opinions and defend them dialectically

Activities

Type	Hours
Directed	112.5
Supervised	75
Autonomous	187.5

Methodology

- Theory classes
- Practice classes
- Learning based on problem solving
- Tutorials
- Personal study
- Study groups
- Textbook reading
- Article reading

Evaluation

Final Exam	80%
Class attendance and active participation	10%
Problem sets and assignments	10%

Contents

Microeconomics I

1. Rational Behavior and Choice
2. Market Demand
3. Production and Firm Behavior
4. Competitive Equilibrium
5. Market Failure

Macroeconomics I

6. Introduction to intertemporal trade: dynamic general equilibrium and efficiency
7. The neoclassical growth model
8. Data and the neoclassical growth model as a measurement tool
9. The overlapping generations model
10. Applications in fiscal policy

Bibliography

- Kreps, David M., «Microeconomic Foundations I: Choice and Competitive Markets», Princeton University Press, 2012.
- Mas-Colell, A., M. Whinston and J. Green, « Microeconomic Theory », Oxford University Press, 1995.
- Rubinstein, A., «Lecture Notes in Microeconomic Theory: The Economic Agent», Princeton University Press, 2012.
- Krueger, Dirk, Macroeconomic Theory, available online.
- Ljungqvist, Lars and Thomas J. Sargent, Recursive Macroeconomic Theory, The MIT Press (2000).
- Stokey, Nancy L., Robert E. Lucas, with Edward C. Prescott, Recursive Methods in Economic Dynamics, Harvard University Press (1989).

