COURSE GUIDE

Microeconomics 4 (2261134)

Approval date: 24/06/2025

Grado (Bachelor's Degree)	Grado en Economía (Bilingüe)	Branch	Social and Legal Sciences
Module	Análisis Económico	Subject	Microeconomía IV

Year of study	3º	Semester	1º	ECTS Credits	6	Course type	Compulsory course

PREREQUISITES AND RECOMMENDATIONS

Having passed the subjects on Mathematics and Microeconomics of the previous semesters

BRIEF DESCRIPTION OF COURSE CONTENT (According to the programme's verification report)

- Nash equilibrium: Basic concepts
- Economics of information
- Repeated games

SKILLS

GENERAL SKILLS

- CG03 - Ability to analyse and summarise.
- CG05 - Oral and written communication skills in Spanish.
- CG08 - Problem-solving skills.
- CG11 - Ability to work in an interdisciplinary team.
- CG12 - Ability to work in an international context.
- CG15 - Ability to communicate with other areas of knowledge.
- CG16 - Ability to engage in critical and self-critical reasoning.
- CG17 - Ability to learn and work autonomously.
- CG24 - Ability to apply knowledge to practice.
- CG25 - Ability to search for information and research.
- CG26 - Ability to design and manage projects.

SUBJECT-SPECIFIC SKILLS

- CE17 - Identify and anticipate economic problems relevant to the general allocation of resources in the public and private sector.
- CE22 - Bring rationality to the analysis and description of any aspect of economic reality.

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- CE23 - Evaluate the consequences of alternative courses of action and select the best ones given the objectives.
- CE24 - Understand economic institutions as the result and application of theoretical or formal representations of how the economy works.
- CE30 - Issue advisory reports on specific situations in the economy (international, national or regional) or its sectors.
- CE32 - Communicate fluently in an environment and work in a team.
- CE38 - Derive from the data relevant information not accessible to non-professionals.
- CE39 - Regularly use Information and Communication Technologies (ICTs) in their professional activities.
- CE40 - Read and communicate professionally in more than one language, especially in English.
- CE41 - Apply professional criteria based on the use of theoretical instruments to the analysis of problems.
- CE42 - Ethical commitment at work. Ability to work in a team. Critical and self-critical reasoning. Work in an international context.
- CE43 - Motivation for quality.
- CE59 - Contribute to the proper management of resource allocation in both the private and public sectors.
- CE64 - Draft economic management projects at the international, national and regional level.
- CE68 - Understand the main microeconomic and macroeconomic models.
- CE69 - Understand the functioning of imperfectly competitive markets.
- CE70 - Understand the main models of industrial economy.
- CE71 - Understand the Game Theory.

TRANSFERABLE SKILLS

- CT01 - Through the knowledge and application of concepts learnt in the Bachelor's Degree (Grado), be able to identify and anticipate economic problems relevant to the allocation of resources, both in the public and private sectors.
- CT02 - Know, understand and apply the different economic models to provide rationality to the analysis and description of any aspect of reality, and be able to know the economic choice criteria of the different agents that make up society.
- CT03 - Learn to communicate fluently in an environment and to work in a team, both in a national and an international context.

LEARNING OUTCOMES

- Students will be able to understand and model the strategic behavior of different agents.
- Students will be able to understand the principal-agent problem.

PLANNED LEARNING ACTIVITIES

THEORY SYLLABUS

- Lesson 0. Introduction.
- Lesson 1. Basic concepts.
- Lesson 2. Decision under uncertainty

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- Lesson 3. Base model
- Lesson 4. Moral hazard
- Lesson 5. Adverse election

PRACTICAL SYLLABUS

- Lesson 0. Introduction.
- Lesson 1. Basic concepts.
- Lesson 2. Decision under uncertainty
- Lesson 3. Base model
- Lesson 4. Moral hazard
- Lesson 5. Adverse election

RECOMMENDED READING

ESSENTIAL READING

- Macho-Stadler, I, Pérez.Castrillo, D. (2001): An introduction to the economics of information. OUP Oxford.

COMPLEMENTARY READING

- Bolton, P., Dewatripoint, M. (2004) Contract Theory. MIT Press.
- Gibbons, R. (1992) A primer in Game Theory. Pearson

TEACHING METHODS

- MD01 - Face-to-face teaching in the classroom
- MD02 - Individual work by the student; retrieval, consultation and processing of information; problem solving and practical case studies; and completion of assignments and presentations
- MD03 - Individual and/or group tutoring and evaluation

ASSESSMENT METHODS (Instruments, criteria and percentages)

ORDINARY EXAMINATION DIET

- Final exam, 70%. This exam will be a multiple choice test. Wrong answers will penalize.
- Group assessment, 15%. It will be a presentation on applications of some of the models analyzed during the course.
- Student participation, 15%. Student's active participation will be evaluated according to her performance, behavior, quantity and quality of his comments/questions, etc.

In order to pass the subject, it is required to get a grade higher or equal to 3 (out of 10) in the final exam. Otherwise, the global mark will be "non passed", with the numeric grade resulting from the minimum between 2.5 and the weighted sum of the three components of the assessment.

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EXTRAORDINARY EXAMINATION DIET

This exam will be a multiple choice test. Wrong answers will penalize. The grade of this assessment will be the mark obtained in this exam.

SINGLE FINAL ASSESSMENT (evaluación única final)

This exam will be a multiple choice test. Wrong answers will penalize. The grade of this assessment will be the mark obtained in this exam.

ADDITIONAL INFORMATION

The Department of Economic Theory and History, in accordance with the Regulations for the attention to students with disabilities and other specific educational support needs (approved by the Governing Board of the University of Granada on 20th September 2016) will promote the right to education under conditions of equal opportunities to students with disabilities and other specific educational support needs. The necessary assistance actions will be established to achieve their full and effective inclusion, guaranteeing their right to inclusive education, in accordance with the principles of non-discrimination, equal opportunities and universal accessibility, so that they can achieve the maximum possible development of their personal and , in any case, the objectives established in general for all students.
The information in this guide may be modified due to supervening circumstances, changes in regulations or new guidelines that may be given by the health authorities, the University, or the School of Economics and Management.
Información de interés para estudiantado con discapacidad y/o Necesidades Específicas de Apoyo Educativo (NEAE): Gestión de servicios y apoyos (https://ve.ugr.es/servicios/atencion-social/estudiantes-con-discapacidad).
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