



OUTLINE

Brief description:

This subject has two main objectives. The first objective is that the student learns to collect and use the necessary quantitative information for decision making. On the other hand, it is intended that students become familiar with the ways of making decisions by integrating qualitative information and that from quantitative analysis.

- **Degree:** Economics
- **Module in the Degree Program:** 1. "Economía General"; 1.1. "Microeconomía"
- **Number of credits:** 3 ECTS
- **Year:** 4º, eighth
- **Type of course:** Required
- **Instructor:** María Paula Flórez Jiménez
- **Academic year:** 2025–26
- **Language:** English
- **Lecture Schedule:** <https://www.unav.edu/web/facultad-de-ciencias-economicas-y-empresariales/estudiantes/horarios>

LEARNING OUTCOMES (Competences)

General/Basis Competences:

- GC7 - Draw normative conclusions relevant to economic policy based on positive knowledge.

Specific Competence:

- SC10 - Apply the tools of Economic Theory to the analysis and discussion of real-world situations.

PROGRAM

Chapter 1: Decisions

1.1 Definition

1.2 Elements

Chapter 2: The formulation of the decision-making problem.

2.1 Causes

2.2 Current status

2.3 Consequences

Chapter 3: Obtaining the information

3.1 Identification of sources



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3.2 Collection of information

Chapter 4: Information Processing

4.1 Data processing

4.2 Preliminary analysis of data

Chapter 5: Quantitative techniques for decision making

5.1 Cases of linear programming, CPM, PERT, simulation, network theory

Chapter 6: Ways of deciding in a group

Chapter 7: Consensus

Chapter 8: Monitoring and control of decisions taken

EDUCATIONAL ACTIVITIES

- Theoretical and/or practical classes
- Personal study
- Individual and/or group work
- Tutorials
- Assessment

ASSESSMENT

ORDINARY CALL

- Class attendance and/or participation: 10%
- Continuous Assessment Tests: 30%
- Group Work Evaluation: 10%
- Final Exam: 50%

In order to pass the course, it is necessary to get at least a 5 in the final exam.

EXTRAORDINARY CALL

- Final Exam: 100%

In order to pass the course, it is necessary to obtain at least a 5 in the final exam.

OFFICE HOURS

Instructor: María Paula Flórez Jiménez (mflorezjime@unav.es)

- Office-Building-Floor: Amigos Building, 4rd floor, office 4090.
- Office Hours: Upon request via email



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BIBLIOGRAPHY AND RESOURCES

Levy F.K. et al.(1963). The ABCs of the Critical Path Method. Harvard Business Review.
[Disponible online.](#)

Martinez de A. M. V. (2022). Linear Programming Basics. IESE Business School, University of Navarra.

Trelstad, B. and Varma, P. (2001). Systems Thinking. Harvard Business School.

Wu, George. (1993). Decision Analysis. Harvard Business School.

Softwares

Gephi: <https://gephi.org/>

Insightmaker: <https://insightmaker.com/insight/>