



## Course guide

### 240723 - 240723 - Introduction to Economics

Last modified: 31/05/2023

**Unit in charge:** Barcelona School of Industrial Engineering  
**Teaching unit:** 1039 - UPF - Universitat Pompeu Fabra.

**Degree:** BACHELOR'S DEGREE IN INDUSTRIAL TECHNOLOGIES AND ECONOMIC ANALYSIS (Syllabus 2018).  
(Compulsory subject).

**Academic year:** 2023    **ECTS Credits:** 6.0    **Languages:** English

#### LECTURER

**Coordinating lecturer:** Daniel Sánchez Moscona

**Others:** Daniel Sánchez Moscona  
Blanca Zapater

#### PRIOR SKILLS

Algebra and basic differential and integral calculus.

#### TEACHING METHODOLOGY

There will be two lectures per week and a total of six seminar sessions. Most of the content will be delivered in the lectures while in seminars students will have to solve problem themselves together with the TA.

#### LEARNING OBJECTIVES OF THE SUBJECT

Students will get an insight into the classical problems in both Micro and Macroeconomics.

They will learn how economists use empirical evidence to build theoretical models.

They will learn how such models are a useful tool to approach complex problems in an organized and rigorous manner.

#### STUDY LOAD

Type	Hours	Percentage
Self study	102,0	68.00
Hours medium group	9,0	6.00
Guided activities	9,0	6.00
Hours large group	30,0	20.00

**Total learning time:** 150 h



## CONTENTS

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### The Economy

**Description:**

The economy as a whole. Introduction to the economics discipline.

**Full-or-part-time:** 2h

Theory classes: 2h

### Individual decision-making

**Description:**

Individual decision-making in a context of scarcity.

**Full-or-part-time:** 5h

Theory classes: 3h

Practical classes: 1h

Guided activities: 1h

### Economic Relationships and Interactions.

**Description:**

Strategic Interactions, Social Preferences, Altruism,  
Public Goods, Cooperation, and Fairness [TE] Unit 4

Institutions and Pareto Efficiency [TE] Unit 5

Employment Relationships [TE] Unit 6

**Full-or-part-time:** 18h

Theory classes: 10h

Practical classes: 4h

Guided activities: 4h

### Markets

**Description:**

The Firm [TE] Unit 7

Supply and Demand [TE] Unit 8

The Labor Market [TE] Unit 9

Market Efficiency and Public Policy [TE] Unit 12

**Full-or-part-time:** 14h

Theory classes: 10h

Practical classes: 2h

Guided activities: 2h



## The aggregate economy

### Description:

Economic Fluctuations and Aggregate Demand [TE] Unit 13

Fiscal Policy and Unemployment [TE] Unit 14

Monetary Policy, Unemployment and Inflation [TE] Unit 15

### Full-or-part-time: 9h

Theory classes: 5h

Practical classes: 2h

Guided activities: 2h

## GRADING SYSTEM

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Grading will be based on a final exam, a mid-term exam, assignments, and in-class (theory and seminars) participation and activities according to the following weights:

Final Exam 50%

Midterm 20%

Assignments 20%

Participation 10%

## EXAMINATION RULES.

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For those students who followed the course and did the activities but did not pass, there is a retake exam. This exam will only replace the grade of the final exam, keeping all other grades and the same grading rules.

## BIBLIOGRAPHY

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### Basic:

- CORE Team, The. The Economy : economics for a changing world. Oxford, UK: Oxford University Press, 2017. ISBN 9780198810247.