

**Company Economics and Management**

Code: 101940  
ECTS Credits: 6

Degree	Type	Year	Semester
2500890 Genetics	OT	4	2

### Contact

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### Use of Languages

Principal working language: catalan (cat)  
Some groups entirely in English: No  
Some groups entirely in Catalan: No  
Some groups entirely in Spanish: Yes

### Prerequisites

None

### Objectives and Contextualisation

The aim of the course is to introduce the basic concepts of economics and business management, first giving an overview of the company and its organization and then analyzing the main functional areas, financial, production and commercialization .

### Competences

- Act with ethical responsibility and respect for fundamental rights and duties, diversity and democratic values.
- Apply an entrepreneurial spirit in the area of genetics and genomics from an integrated vision of R+D+I processes.
- Apply knowledge of theory to practice.
- Appreciate the importance of quality and a job well done.
- Be able to communicate effectively, orally and in writing.
- Be sensitive to environmental, health and social matters.
- Develop creativity.
- Develop self-directed learning.
- Make changes to methods and processes in the area of knowledge in order to provide innovative responses to society's needs and demands.
- Perceive the strategic, industrial and economic importance of genetics and genomics to life sciences, health and society.
- Produce, direct, execute and assess projects where knowledge of genetics or genomics is necessary.
- Take account of social, economic and environmental impacts when operating within one's own area of knowledge.
- Take sex- or gender-based inequalities into consideration when operating within one's own area of knowledge.
- Take the initiative and demonstrate an entrepreneurial spirit.
- Use and manage bibliographic information or computer or Internet resources in the field of study, in one's own languages and in English.

## Learning Outcomes

1. Act with ethical responsibility and respect for fundamental rights and duties, diversity and democratic values.
2. Apply acquired knowledge and skills in genetics and genomics to potential technology-based business projects on genetics and genomics.
3. Apply acquired knowledge and skills regarding genetics and genomics to potential technology based business projects involving genetics and genomics.
4. Apply knowledge of theory to practice.
5. Appreciate the importance of quality and a job well done.
6. Be able to communicate effectively, orally and in writing.
7. Be sensitive to environmental, health and social matters.
8. Develop creativity.
9. Develop self-directed learning.
10. Make changes to methods and processes in the area of knowledge in order to provide innovative responses to society's needs and demands.
11. Recognise the strategic importance and potential for industrial and economic development of genetic progress in the fields of life sciences, health and society.
12. Take account of social, economic and environmental impacts when operating within one's own area of knowledge.
13. Take sex- or gender-based inequalities into consideration when operating within one's own area of knowledge.
14. Take the initiative and demonstrate an entrepreneurial spirit.
15. Use and manage bibliographic information or computer or Internet resources in the field of study, in one's own languages and in English.

## Content

0: Introduction

Basic concepts of economics.

1: The company and its organization.

Business and markets

internal organization

Prices as coordinating mechanism.

2: Investment and financing business.

Interest rate.

Assessment of income.

Loans and mortgages.

Evaluation and selection of investment projects and funding (NPV, IRR).

Unless the requirements enforced by the health authorities demand a prioritization or reduction of these contents.

## Methodology

Theoretical and practical classes. Discussion of questions in class. Resolution of exercises in class, and at home.

Annotation: Within the schedule set by the centre or degree programme, 15 minutes of one class will be reserved for students to evaluate their lecturers and their courses or modules through questionnaires.

## Activities

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Classes - Theory	30	1.2	4, 7, 8, 14, 6, 15, 5
Exercices	15	0.6	4, 7, 8, 14, 6, 15, 5
Type: Supervised			
Study, Preparation of Exercises	95	3.8	4, 7, 8, 14, 6, 15, 5
Tutorial	6	0.24	4, 7, 8, 14, 6, 15, 5

## Assessment

Continuous assessment. The final grade will be obtained from the partial marks along with the participation / attendance.

attendance is mandatory (60% minimum).

To pass the course you must take a minimum of 4 in each exam and a minimum of 5 in the final grade. Those who

are not able to do a recovery exam where they will have to examine only the failed topics. The recovery exam is designed for not-passed students,

not to upload grades.

To be eligible for the retake process, the student should have been previously evaluated in a set of activities equivalent to at least two thirds

of the final score of the course or module. Thus, the student will be graded as "No Avaluable" if the weighting of a

activities is less than 67% of the final score.

## Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Attendance and participation	10%	0	0	1, 13, 12, 4, 9, 8, 10, 14, 6, 5
First exam	45%	2	0.08	3, 2, 4, 7, 9, 8, 14, 11, 6, 15, 5
Second exam	45%	2	0.08	3, 2, 4, 7, 9, 8, 14, 11, 6, 15, 5

## Bibliography

During the course of the teacher will give the students some basic material, in addition to complementary bibliography (e.g.: Salas-Fumás, V. (2007). *El siglo de la empresa*. Fundacion BBVA).

## Software

No program is essential. We will use basic excel, which we will learn to use in the course. Maybe we also use zoom.