



PERSONA CIÈNCIA EMPRESA  
UNIVERSITAT RAMON LLULL

## COURSE: ECONOMICS AND INDUSTRIAL ORGANISATION

**SUBJECT MATTER:** Economics and Industrial Organization

**MODULE:** Basic Formation

**PROGRAM:** Degree in Chemical Engineering

Pàgina 1 de 5

### GENERAL FEATURES

**Type:**  Basic Formation,  Compulsory,  Elective  
 Final Degree Project,  Practicum

**Duration:** Semestral

**Semester/s:** 2

**Number of ECTS credits:** 6

**Language/s:** Spanish, Catalan,

### DESCRIPTION

#### SHORT DESCRIPTION AND JUSTIFICATION

The chemical engineers need to meet the basic concepts of economics and of company as well as the paper that these play at the economics of market, his organisation and management, with the purpose to take decisions at a professional future.

The subject introduces the paper of the employer as a economic and social agent. With this perspective accost the relations among company and market, introducing the approach of the strategic direction.

The general contents of the subject are: to analyse, interpret and explain the structure of the company; define the functions of each one of the departments of the companies. Finally a project of company is carried out.

#### COMPETENCES

- Be able to understand and apply the basic knowledge of economics and industrial organisation that, based on the knowledge acquired at the general secondary education, is necessary for the practice in the field of Chemical Engineering. (→ E1, CB1)
- Be able to identify, formulate and solve basic problems of Economics that can have an application in the fields of Chemical Engineering and Chemistry. (→ E7, CB2)
- Be able to convey information, ideas, problems and solutions to both specialized and non-specialized audiences. (→CB4)
- Adequate knowledge of the company concept, institutional and legal framework of the company. Organization and management of companies. (→FB6)

#### PREREQUISITES

According to the program planning and academic regulations.



PERSONA CIÈNCIA EMPRESA  
UNIVERSITAT RAMON LLULL

## COURSE: ECONOMICS AND INDUSTRIAL ORGANISATION

**SUBJECT MATTER:** Economics and Industrial Organization

**MODULE:** Basic Formation

**PROGRAM:** Degree in Chemical Engineering

Pàgina 2 de 5

### CONTENTS

1. The company
2. Growth, development of the company
3. Organisation and direction of the company
4. The productive function
5. The commercial function of the company
6. The information at the company
7. The financial function
8. Business project
9. Economics: principal magnitudes

### METODOLOGY

### LEARNING ACTIVITIES

Learning activities	Hours	Credits ECTS	Competences
Sessions of exposition of concepts	22	0,8	E1, CB1, FB6
Sessions of resolution of exercises, problems and cases	11	0,4	E1, CB1, E7, CB2, FB6
Seminaries	-	-	-
Practical Work and Laboratory	-	-	-
Works and presentations	11	0,4	E7, CB2, CB4, FB6
Personal Study Activities	115	4,3	E1, CB1, E7, CB2, FB6
Assessment Tasks (Exams, Continuous Assessment...)	3	0,1	E1, CB1, E7, CB2, FB6
<b>TOTAL</b>	<b>162</b>	<b>6</b>	

## COURSE: ECONOMICS AND INDUSTRIAL ORGANISATION

**SUBJECT MATTER:** Economics and Industrial Organization

**MODULE:** Basic Formation

**PROGRAM:** Degree in Chemical Engineering

Pàgina 3 de 5

### TEACHING METHODOLOGY

Since the course has for aim the acquisition of theoretic concepts and app of the same to practical cases, the dynamics of the course will divide at theoretic and practical sessions.

At the practical sessions we will facilitate the active participation of the students through questions and comments arisen of previous works.

The different works developed during the course will realise at groups that will determine at principle of course and will remain fixed during the same. It will realise a project or plan of company that will expose publicly, will be fruit of all the motifs worked at the subject.

### ASSESSMENT

#### ASSESSMENT METHODS

Assessment methods	Weight	Competences
Final exam	30%	E1, CB1, E7, CB2, FB6
Partial exams	30%	E1, CB1, E7, CB2, FB6
Continuous assessment activities	---	---
Reports and presentations	30%	E1, CB1, E7, CB2, CB4, FB6
Lab or field work	---	---
Projects	---	---
Host Student Evaluation	---	---
Participation	10%	E1, CB1, E7, CB2, CB4, FB6

#### LEARNING OUTCOMES

1. The student has to evidence knowledge of the basic concepts of the company and the paper that this plays at the economics of market. (CB1, E1)
2. The student has to evidence that he understands the role of the employer as a economic and social agent. With this perspective, accost the relations among company and market, introducing the approach of the strategic address. (CB1, E1).
3. The student has to evidence sufficiency at the assimilation of the different criteria of classification and of structuring of the companies (CB1, E1).
4. The student has to evidence the analysis, the interpretation and the explanation of the structure of the company, as well as the definition of the functions of each department of the companies. (CB1, E1)
5. The student has to evidence the capacity to identify, pose and resolve basic problems of Economics that can have an app at the sphere of the chemistry. (CB2, E7, FB6)



PERSONA CIÈNCIA EMPRESA  
UNIVERSITAT RAMON LLULL

## **COURSE: ECONOMICS AND INDUSTRIAL ORGANISATION**

**SUBJECT MATTER:** Economics and Industrial Organization

**MODULE:** Basic Formation

**PROGRAM:** Degree in Chemical Engineering

Pàgina 4 de 5

6. The student has to evidence the approach of the process of creation of a company. (CB1, E1, CB2, E7, FB6)
7. The student has to evidence the capacity to transmit information, ideas, problems and solutions of the economic sphere at a so much specialised public how no skilled (CB4, FB6)

### **QUALIFICATION**

The qualification of the course will consider the qualifications of the works carried out at class and of the work carried out in group (TP), of the participation (P), the Partial examination (EP) and the final examination (EF). All these notes will be on 10 and will a maximum value of 10.

The final examination will feature of two parts, corresponding at the matter assessed at the partial examination (EF1) and at the no assessed matter at the partial examination (EF2). The student can renounce at realising the part EF1 if the note of the partial examination (EP) is equal or superior at 5. At contrary case, has to present at the two parts (EF1 and EF2).

The final note will compound by means of the following expressions:

- a) If the note of EP is superior at 5 and the student only presents at EF2:

$$NF = 0,3 *EF2 + 0,3*EP + 0,3*TP + 0,1P$$

- b) If the note of EP is inferior at 5:

$$NF = 0,6 *EF + 0,3*TP + 0,1P$$

So much at the case a) and at the case b), to approve the subject is necessary to obtain a note of the final examination (EF) equal or superior at 4,5. At contrary case, the final note of the subject will be the more lowers of the obtained.

If it does not surpass the subject at first announcement, will have to repeat at following announcements EF, being necessary a superior note or the same at 5,0 to be able to surpass the subject. At contrary case, the final note of the subject will be the more lowers of the obtained.

### **ASSESSMENT OF THE COMPETENCES**

For the assessment of the competence E1/CB1, the mark of the final examination will be used as an indicator.

For the assessment of the competences E7/CB2 and FB6, the final grade of the course will be used as an indicator.



PERSONA CIÈNCIA EMPRESA  
UNIVERSITAT RAMON LLULL

## **COURSE: ECONOMICS AND INDUSTRIAL ORGANISATION**

**SUBJECT MATTER:** Economics and Industrial Organization

**MODULE:** Basic Formation

**PROGRAM:** Degree in Chemical Engineering

Pàgina 5 de 5

For the assessment of the competence CB4 the indicator used will be the mark of works and presentations

### **BIBLIOGRAPHY**

- Bueno Campos, E., Cruz Roche, I, Duran Herrera, J.J. Economía de la Empresa Ed. Pirámide, Madrid, Segunda Reimpresión 2002.
- Bueno Campos, E., Curso básico de Economía de la Empresa Ed. Pirámide, Madrid 2008.
- González, J.J., Domingo, Juan. Fundamentos de Economía de la Empresa. Ed Piramide, Madrid 2017.
- Pérez Gorostegui, E. Introducción a la Economía de la Empresa Editorial Centro de Estudios Ramón Areces, S.A. Madrid, Cuarta reimpresión 2007.
- Tarragó Sabaté, F. Fundamentos de economía y empresa. Editorial Hispano Europea. Barcelona, Sexta Edición 1978.

### **DOCUMENT HISTORY**

#### **PREVIOUS REVISIONS**

September 13, 2015, Manuel Guerris

February 28, 2011, Manuel Guerris

#### **LAST REVISION**

February 18, 2019, Dra. Mar Guitert