

## SUBJECT TEACHING GUIDE

G325 - Economics and Business Administration

Degree in Chemical Engineering

Academic year 2022-2023

1. IDENTIFYING DATA					
Degree	Degree in Chemical Engineering			Type and Year	Core. Year 1
Faculty	School of Industrial Engineering and Telecommunications				
Discipline	Subject Area: Business Basic Training Module				
Course unit title and code	G325 - Economics and Business Administration				
Number of ECTS credits allocated	6	Term	Semester based (2)		
Web					
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Face-to-face

Department	DPTO. ADMINISTRACION DE EMPRESAS
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### 3.1 LEARNING OUTCOMES

- At the end of the course the student ought to be capable of:
  - know the economic language.
  - Know the economic basic techniques applicable in his professional future.
  - Know the operation of the economic basic units and its management instruments.
  - Know the characteristics of an industrial sector, to be able to diagnose its problems and propose feasible solutions.
  - Know the different types of markets and the role played by the different economic agents .
  - Know the role played by companies in the economic activity.
  - Know how companies can and must adapt to different economic situations .
  - Know how to apply leadership and management methods to optimize the resources of the companies.
  - Know the restrictions and potential advantages that stem from the different alternatives of organizational design .
  - Solve exercises on risk situations and investment appraisal.
  - Introduction to company's production system .
  - Know the financial resources function in the growth strategies of business policy.

### 4. OBJECTIVES

Targets:

- That the student acquires the basic concepts to understand the economic processes involved in his future profession.
- That the student incorporates into his technical work the economic analysis tools.
- To qualify the student to identify the economic consequences of the technical decisions , to defend the solutions that he supports incorporating to them the criteria of efficiency (costs and benefits of the technical decisions).

### 6. COURSE ORGANIZATION

#### CONTENTS

1	Educational organization. Contents 1 THE COMPANY AND ITS ENVIRONMENT Lesson 1 °. The company Lesson 2 °. The company's environment Lesson 3 °. The macroeconomic environment Lesson 4 °. The sectorial and microeconomic environment
2	2 LEADERSHIP AND MANAGEMENT OF THE COMPANY Lesson 5 °. Planning and control management. Lesson 6 ° Organization and organizational behaviour Lesson 7 °. Human Resources Management Lesson 8 °. Investment and financing management Lesson 9 °. Accounting
3	3 PRODUCTION MANAGEMENT IN THE COMPANY Lesson 10 °. Introduction to the company's production system Lesson 11 °. Production productivity and costs analysis Lesson 12 °. Supply chain management Lesson 13 °. Production forecast

## 7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
written exam	Written exam	No	Yes	30,00
written exam	Written exam	No	Yes	30,00
written exam	Written exam	No	Yes	30,00
Note To pass each partial objective test it is necessary to obtain a grade equal to or greater than 4.00. It will be approved by course when the partial tests have been passed and the weighted average is equal to or greater than 5. The recovery of the fai	Others	No	No	10,00
<b>TOTAL</b>				100,00
<b>Observations</b>				
<p>Note</p> <p>To pass each partial objective test it is necessary to obtain a grade equal to or greater than 4.00. It will be approved by course when the partial tests have been passed and the weighted average is equal to or greater than 5. The recovery of the failed partial tests will be carried out on the dates indicated by the management of the center. Notes of partial tests of the ordinary call for the extraordinary one are not kept.</p> <p>The remote evaluation of the works, practical laboratory exercises and written tests is foreseen in the event that a new health alert for COVID-19 makes it impossible to carry out the evaluation in person</p>				
<b>Observations for part-time students</b>				
<p>Note for part-time students</p> <p>The same criteria of evaluation will be applied to the part-time students as to the full-time student, although the temporary distribution of activities may be adapted to the temporary conditions, when it is considered necessary.</p>				

## 8. BIBLIOGRAPHY AND TEACHING MATERIALS

### BASIC

- Stiglitz, Joseph. "ECONOMÍA". Ed. Ariel.
- Bueno Campos, Eduardo. "CURSO BÁSICO DE ECONOMÍA DE LA EMPRESA". Ediciones Pirámide. Madrid. 1993. ISBN: 84-368-0779-0.
- Torres López, Juan. "INTRODUCCIÓN A LA ECONOMÍA". Ediciones Pirámide. Madrid. 2011. ISBN: 9788436825398.
- Cuervo García, Álvaro. "INTRODUCCIÓN A LA ADMINISTRACIÓN DE EMPRESAS". Civitas Ediciones. Madrid. 4ª Edición. 2001. ISBN: 84-470-1664-1.
- Milgrom, Paul. "ECONOMÍA, ORGANIZACIÓN Y GESTIÓN DE EMPRESAS" Ed. Ariel. Barcelona, 1993. ISBN: 84-344-2082-1.
- Heyzer, J. y Render, B. "DIRECCIÓN DE LA PRODUCCIÓN Y DE OPERACIONES. DECISIONES TÁCTICAS". Ediciones Pearson. Madrid. 8ª Edición. 2007. ISBN: 9788483223611
- Heyzer, J. y Render, B. "DIRECCIÓN DE LA PRODUCCIÓN Y DE OPERACIONES. DECISIONES ESTRATÉGICAS". Ediciones Pearson. Madrid. 8ª Edición. 2007. ISBN: 9788483223604