



## Course guides

# 820071 - LD - Leadership and Management

Last modified: 09/07/2021

**Unit in charge:** Barcelona East School of Engineering  
**Teaching unit:** 732 - OE - Department of Management.

**Degree:** BACHELOR'S DEGREE IN BIOMEDICAL ENGINEERING (Syllabus 2009). (Optional subject).  
BACHELOR'S DEGREE IN CHEMICAL ENGINEERING (Syllabus 2009). (Optional subject).  
BACHELOR'S DEGREE IN ELECTRICAL ENGINEERING (Syllabus 2009). (Optional subject).  
BACHELOR'S DEGREE IN ENERGY ENGINEERING (Syllabus 2009). (Optional subject).  
BACHELOR'S DEGREE IN INDUSTRIAL ELECTRONICS AND AUTOMATIC CONTROL ENGINEERING (Syllabus 2009). (Optional subject).  
BACHELOR'S DEGREE IN MECHANICAL ENGINEERING (Syllabus 2009). (Optional subject).  
BACHELOR'S DEGREE IN MATERIALS ENGINEERING (Syllabus 2010). (Optional subject).

**Academic year:** 2021    **ECTS Credits:** 6.0    **Languages:** Catalan, Spanish

### LECTURER

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**Coordinating lecturer:** JOSEP COLL BERTRAN

**Others:** Coll Bertran, Josep  
Marfil Sanchez, Fernando

### PRIOR SKILLS

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The skills from the BUSINESS subject of the syllabus.

### REQUIREMENTS

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To have passed the BUSINESS subject of the syllabus.

### TEACHING METHODOLOGY

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The subject is based on the work developed at the classroom, where contents are explained, and practical activities and group presentations take place. There is a practical approach of the topics, especially on the techniques and tools that are useful in management.

### LEARNING OBJECTIVES OF THE SUBJECT

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To learn the Leadership and Management functions, as the way to excellence.  
To acquire the knowledge to place a company (or any organization) in a strategy to find the excellence.  
To understand the importance of the Strategic Planning practice in the company and in the organizations.  
To know how to manage the basic elements of the Strategic Planning model.  
To introduce the Organization Design and, in particular, the "new" structural designs of the companies and organizations from the Knowledge Society.



## STUDY LOAD

Type	Hours	Percentage
Hours large group	45,0	30.00
Hours small group	15,0	10.00
Self study	90,0	60.00

**Total learning time:** 150 h

## CONTENTS

### The Management function and Leadership function.

**Description:**

The unit focuses on the management and leadership concept in a company or organization

**Specific objectives:**

- To know the management function.
- To know the leadership function.
- To discuss among management function and leadership function.

**Related activities:**

- To attend classes.
- Essays among different aspects of the unit.

**Full-or-part-time:** 30h

Theory classes: 12h

Self study : 18h

### Organization design

**Description:**

The unit focuses on the organizations design

**Specific objectives:**

- To know how and why the organization design works.
- To know the new organization models from the knowledge society.

**Related activities:**

- To attend classes.
- Essays about the content of the unit.

**Full-or-part-time:** 20h

Theory classes: 8h 20m

Self study : 11h 40m



### Strategic thinking. Planning. Strategic management.

**Description:**

The unit focuses on the importance of the strategic thinking and proposes a strategic planning model.

**Specific objectives:**

- To be aware of the importance to have a strategic thinking.
- To know the most used model in strategic planning.

**Related activities:**

- To attend classes.
- Essays about the content of the unit.

**Full-or-part-time:** 30h

Theory classes: 12h

Self study : 18h

## GRADING SYSTEM

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-In each unit there will be exercises/essays and exams that together will provide the qualification of each unit. Each activity and each unit does not necessarily have the same weight.

-The 25% of the final qualification is a final essay about Leadership.

-There will be a final exam for the students that have not passed the subject during the continued evaluation and the students that want to increase their qualification.

- There will be no reevaluation exam

## EXAMINATION RULES.

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There are no specific rules.

## BIBLIOGRAPHY

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**Basic:**

- Aguirre Sádaba, A.; Castillo Clavero, A. M.; Tous Zamora, D. Administración de organizaciones en el entorno actual. Madrid: Pirámide, 2003. ISBN 8436818091.

- García-Tenorio Ronda, J.; García Merino, M<sup>a</sup> T. Organización y dirección de empresas. Madrid: Thomson, cop. 2006. ISBN 8497324560.