820071 - LD - Leadership and Management

Coordinating unit: 295 - EEBE - Barcelona East School of Engineering
Teaching unit: 732 - OE - Department of Management
Academic year: 2019
Degree: BACHELOR'S DEGREE IN ELECTRICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional)
BACHELOR'S DEGREE IN MECHANICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional)
BACHELOR'S DEGREE IN CHEMICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional)
BACHELOR'S DEGREE IN BIOMEDICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional)
BACHELOR'S DEGREE IN ENERGY ENGINEERING (Syllabus 2009). (Teaching unit Optional)
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BACHELOR'S DEGREE IN ELECTRICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional)
BACHELOR'S DEGREE IN INDUSTRIAL ELECTRONICS AND AUTOMATIC CONTROL ENGINEERING (Syllabus 2009). (Teaching unit Optional)
BACHELOR'S DEGREE IN BIOMEDICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional)
BACHELOR'S DEGREE IN CHEMICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional)
BACHELOR'S DEGREE IN MECHANICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional)
BACHELOR'S DEGREE IN INDUSTRIAL ELECTRONICS AND AUTOMATIC CONTROL ENGINEERING (Syllabus 2009). (Teaching unit Optional)
BACHELOR'S DEGREE IN MATERIALS ENGINEERING (Syllabus 2010). (Teaching unit Optional)

ECTS credits: 6  
Teaching languages: Catalan

Teaching staff
Coordinator: JOSEP COLL BERTRAN
Others: Primer quadrimestre:
        JOSEP COLL BERTRAN - T11, T12

Opening hours
Timetable: To be published at the beginning of the course.

Prior skills
The skills from the BUSINESS subject of the syllabus.

Requirements
To have passed the BUSINESS subject of the syllabus.

Degree competences to which the subject contributes

Specific:
2. Understand the applications of business organisation.

Transversal:
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Teaching methodology

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

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

<table>
<thead>
<tr>
<th>Total learning time: 150h</th>
<th>Hours large group: 45h (30.00%)</th>
<th>Hours medium group: 0h (0.00%)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Hours small group: 15h (10.00%)</td>
<td>Guided activities: 0h (0.00%)</td>
</tr>
<tr>
<td></td>
<td>Self study: 90h (60.00%)</td>
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</tr>
</tbody>
</table>

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## Content

| The Management function and Leadership function. | Learning time: 30h  
Theory classes: 12h  
Self study: 18h |
|--------------------------------------------------|------------------|

**Description:**
The unit focuses on the management and leadership concept in a company or organization from the reflection on this topic during the 20th century until nowadays.

**Related activities:**
- To attend classes.
- Essays among different aspects of the unit.

**Specific objectives:**
- To know the management function.
- To know the leadership function.
- To discuss among management function and leadership function.

| Organization design. Relations with the environment. | Learning time: 20h  
Theory classes: 8h 20m  
Self study: 11h 40m |
|----------------------------------------------------------|------------------|

**Description:**
The unit focuses on the organizations design and about the considerations that the interactions with the environment deserve.

**Related activities:**
- To attend classes.
- Essays about the content of the unit.

**Specific objectives:**
- To know how and why the organization design works.
- To know the new organization models from the knowledge society.
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**Strategic thinking. Planning. Strategic management.**

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

**Related activities:**
- To attend classes.
- Essays about the content of the unit.

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

**Learning time:** 30h
- Theory classes: 12h
- Self study: 18h

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**Qualification system**

- In each unit there will be exercises, essays, tests or exams that together will provide the qualification of each unit. Each activity does not necessarily have the same weight in the final qualification. To be evaluated in a unit you must hand in all the essays and assist regularly at class (80%).
- The first unit, the second unit, and the sum of the third and the genèric competence, represent each the 25% of the final qualification of the subject (total 75%).
- 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.

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**Regulations for carrying out activities**

There are no specific rules.

**Bibliography**

**Basic:**