Course guide
220216 - 220216 - Business Management

Unit in charge: Terrassa School of Industrial, Aerospace and Audiovisual Engineering
Teaching unit: 732 - OE - Department of Management.

Degree: MASTER'S DEGREE IN INDUSTRIAL ENGINEERING (Syllabus 2013). (Compulsory subject).

Academic year: 2022  ECTS Credits: 5.0  Languages: Catalan, Spanish

LECTURER

Coordinating lecturer: Manel Rajadell Carreras
Others: Anna Solans

REQUIREMENTS

There are no requirements.

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:
3. Knowledge and skills to organize and manage companies.
4. Knowledge and skills of strategy and planning applied to different organizational structures.
5. Apply knowledge and solve problems in new or unfamiliar environments within broader and multidisciplinary contexts.

Transversal:
6. TEAMWORK: Being able to work in an interdisciplinary team, whether as a member or as a leader, with the aim of contributing to projects pragmatically and responsibly and making commitments in view of the resources that are available.

Basic:
1. Improve technical communication of results.

TEACHING METHODOLOGY

The teaching methodology is divided into three parts:

- Face-to-face Sessions of exposure of the contents.
- Face-to-face Sessions of practical work (exercises and problems).
- Autonomus work of study and realization of exercises and activities.

In the sessions of exposure of the contents, the teaching staff will introduce the theoretical bases of the terms, concepts, methods and results, illustrating them with examples appropriate to facilitate their understanding.
In the sessions of practical work in the classroom, the teacher will guide the students in the application of theoretical concepts to problem solving, a basis for critical reasoning at all times. Will propose exercises that the students solve in the classroom and outside the classroom, in order to facilitate the contact and the use of the basic tools necessary for the resolution of problems.
The students, autonomously, has to work the material provided by the teaching staff and the results of the working sessions-problems in order to assimilate and fix concepts.

LEARNING OBJECTIVES OF THE SUBJECT
## STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hours large group</td>
<td>30,0</td>
<td>24.00</td>
</tr>
<tr>
<td>Self study</td>
<td>80,0</td>
<td>64.00</td>
</tr>
<tr>
<td>Hours small group</td>
<td>15,0</td>
<td>12.00</td>
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</tbody>
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Total learning time: 125 h

## CONTENTS

### Module 1: nature, historical evolution and functions of managers

**Description:**
- Background to the recognition of the management role
- Historical evolution of the main formal schools
- Behavioural aspects in the exercise of the Executive function
- The implementation of the strategy
- Future scenarios, trends and breakouts.

**Specific objectives:**
1. That the students know how to communicate their findings and the knowledge and the latest reasons based on specialist and non-specialist audiences clearly and unambiguously.
2. The knowledge and skills to organize and run companies.
3. The knowledge and skills of strategy and planning applied to different organisational structures.

**Related activities:**
- Activity 1: Large groups Sessions/theory
- Activity 2: Media groups Sessions/problems
- Activity 3: Partial Review
- Activity 5: Case study

**Full-or-part-time: 62h**
- Theory classes: 15h
- Practical classes: 7h
- Self study: 40h
Module 2: Quantitative tools for the decision-making of the executive in the functional area of finance

**Description:**
- Structure of the financial statements of the company
- Policy design of depreciation methods for financial decision making: economic and financial analysis
- State of origin and application of funds
- Criteria to select investment criteria to select forms of financing

**Specific objectives:**
1. That the students know how to communicate their findings and the knowledge and the latest reasons based on specialist and non-specialist audiences clearly and unambiguously.
3. Apply the acquired knowledge and solve problems in new or unfamiliar environments within broader contexts and multidisciplinary research.

**Related activities:**
- Activity 1: large groups Sessions/theory
- Activity 2: media groups Sessions/problems
- Activity 4: final exam
- Activity 5: case study

**Full-or-part-time:** 63h
- Theory classes: 15h
- Practical classes: 8h
- Self study: 40h

### ACTIVITIES

#### (ENG) ACTIVITAT 1: SESSIONS GRUPS GRANS/TEORIA

**Description:**
Previous and subsequent preparation of the sessions of theory and assistance to these.

**Specific objectives:**
Transfer the knowledge necessary for a correct interpretation of content developed in the large group session, resolution of doubts in relation to the subject matter of the course and the development of generic skills.

**Material:**
- Notes on the Atena platform.
- General bibliography for the subject.
- In the programmable calculators cannot be used

**Delivery:**
During some of the sessions will be conducted in-class exercises in class, individually or in small groups.

**Full-or-part-time:** 48h
- Theory classes: 28h
- Self study: 20h

#### (ENG) ACTIVITAT 2: SESSIONS GRUPS MITJANS/PROBLEMES

**Full-or-part-time:** 34h
- Practical classes: 14h
- Self study: 20h
(ENG) ACTIVITAT 3: EXAMEN PARCIAL

Full-or-part-time: 6h
Theory classes: 1h
Self study: 5h

(ENG) ACTIVITAT 4: EXAMEN FINAL

Full-or-part-time: 7h
Theory classes: 2h
Self study: 5h

(ENG) ACTIVITAT 5: CAS PRÀCTIC

Full-or-part-time: 30h
Self study: 30h

GRADING SYSTEM

- Activity 3 (partial exams): Test 1 weight 20%, Test 2 weight: 20% Test 3 weight 20%
- Activity 4 (final exam): final exam weight first part 20%. Final exam weight second part 20%
- Activity 5, weight: 20%

All those students who cannot attend the third activity (partial examination), or suspend it, will have the option to recover it the day that will make the fourth activity (final exam).

EXAMINATION RULES.

Activities 3 I 4 will be carried out individually and in writing
Activity 5 will be carried out individually and in writing

BIBLIOGRAPHY

Basic:

Complementary:

RESOURCES

Other resources:
- Collection of problems of the subject
- Transparencies of each module
- Various Articles
- Videos: www.youtube.com/user/manelrajadell