Course guides
230854 - PM - Project Management

Unit in charge: Barcelona School of Telecommunications Engineering
Teaching unit: 732 - OE - Department of Management.
Degree: MASTER'S DEGREE IN ENGINEERING PHYSICS (Syllabus 2018). (Compulsory subject).
Academic year: 2021  ECTS Credits: 3.0  Languages: English

LECTURER

Coordinating lecturer: Fernandez Alarcon, Vicenç

Others:

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Basic:
CB6. (ENG) Poseer y comprender conocimientos que aporten una base u oportunidad de ser originales en el desarrollo y/o aplicación de ideas, a menudo en un contexto de investigación.
CB7. (ENG) Que los estudiantes sepan aplicar los conocimientos adquiridos y su capacidad de resolución de problemas en entornos nuevos o poco conocidos dentro de contextos más amplios (o multidisciplinares) relacionados con su área de estudio.

TEACHING METHODOLOGY

The teaching methodology of this course has 4 parts:

* Lecture: Lecturers present concepts, principles and techniques, with the active participation of students.

* Problem Based Learning: Lecturers and students resolve exercises and standard problems through specific techniques related to the theoretical contents and principles of the course.

* Reading Based learning: Students read and discuss current scientific papers related to the theoretical contents and principles of the course.

* Self-study: Students diagnose their learning needs, in collaboration with the lecturers, and plan their own learning process.

LEARNING OBJECTIVES OF THE SUBJECT

The course Project Management aims to introduce students to planning, organizing, securing and managing resources efficiently for the successful completion of specific project goals and objectives. Students will learn to design, manage and monitor international technology and engineering projects.

STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hours large group</td>
<td>24,0</td>
<td>31.17</td>
</tr>
<tr>
<td>Self study</td>
<td>53,0</td>
<td>68.83</td>
</tr>
</tbody>
</table>

Total learning time: 77 h
## CONTENTS

### Module 1: Project Planning

**Description:**
- Scope Management
- Time Management
- Cost Management
- Quality Management
- People Management
- Communication Management
- Risk Management

**Related activities:**
- Individual and Group Activities
- Group Project

**Full-or-part-time:** 30h
- Theory classes: 10h
- Self study: 20h

### Module 2: Project Implementation and Monitoring

**Description:**
- Scope Management
- Time Management
- Cost Management
- Quality Management
- People Management
- Communication Management
- Risk Management
- Project Closure

**Related activities:**
- Individual and Group Activities
- Group Project

**Full-or-part-time:** 30h
- Theory classes: 10h
- Self study: 20h

### Module 3: Software for Project Management

**Description:**
- Software Management

**Related activities:**
- Individual and Group Activities
- Group Project

**Full-or-part-time:** 15h
- Theory classes: 4h
- Self study: 11h
GRADING SYSTEM

The final grade depends on the following elements:

* 50%, Individual and Group Activities
* 50%, Group Project

BIBLIOGRAPHY

Basic: