230854 - PM - Project Management

Coordinating unit: 230 - ETSETB - Barcelona School of Telecommunications Engineering
Teaching unit: 732 - OE - Department of Management
Academic year: 2019
Degree: MASTER'S DEGREE IN ENGINEERING PHYSICS (Syllabus 2018). (Teaching unit Compulsory)
ECTS credits: 3  
Teaching languages: English

Teaching staff
Coordinator: Fernandez Alarcon, Vicenç

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>Total learning time: 75h</th>
<th>Hours large group: 22h</th>
<th>29.33%</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Self study: 53h</td>
<td>70.67%</td>
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## Content

<table>
<thead>
<tr>
<th>Module 1: Project Planning</th>
<th>Learning time: 30h</th>
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<tbody>
<tr>
<td></td>
<td>Theory classes: 10h</td>
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<tr>
<td></td>
<td>Self study : 20h</td>
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</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Module 2: Project Implementation and Monitoring</th>
<th>Learning time: 30h</th>
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<tbody>
<tr>
<td></td>
<td>Theory classes: 10h</td>
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<td></td>
<td>Self study : 20h</td>
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</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Module 3: Software for Project Management</th>
<th>Learning time: 15h</th>
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<tr>
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<td>Theory classes: 4h</td>
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<td>Self study : 11h</td>
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**Description:**
- Software Management

**Related activities:**
- Individual and Group Activities
- Group Project
The final grade depends on the following elements:

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

**Bibliography**

**Basic:**