Course guides
300312 - PE-OAT - Engineering Projects

Unit in charge: Castelldefels School of Telecommunications and Aerospace Engineering
Teaching unit: 744 - ENTEL - Department of Network Engineering.

Degree:
- BACHELOR’S DEGREE IN AIR NAVIGATION ENGINEERING (Syllabus 2010). (Optional subject).
- BACHELOR’S DEGREE IN AIRPORT ENGINEERING (Syllabus 2010). (Optional subject).
- BACHELOR’S DEGREE IN AEROSPACE SYSTEMS ENGINEERING (Syllabus 2015). (Optional subject).
- BACHELOR’S DEGREE IN TELECOMMUNICATIONS SYSTEMS ENGINEERING (Syllabus 2009). (Optional subject).
- BACHELOR’S DEGREE IN NETWORK ENGINEERING (Syllabus 2009). (Optional subject).

Academic year: 2016  ECTS Credits: 6.0  Languages: Catalan, Spanish

LECTURER
Coordinating lecturer: Oller Arcas, Antonio
Others: Alcober Segura, Jesus AngelRemondo Bueno, David

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Transversal:
07 AAT N2. SELF-DIRECTED LEARNING - Level 2: Completing set tasks based on the guidelines set by lecturers. Devoting the time needed to complete each task, including personal contributions and expanding on the recommended information sources.

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT
- Acquire advanced knowledge of engineering project management? Analyze and construct proposals for both private and public financing projects? Evaluate project proposals according to established criteria? Justify the evaluation of the proposal and defend it before a committee of experts? Integrate a proposed project within the framework of a business structure? Follow the life cycle of a project: opportunity, proposal, project? Analyze the outcome of a project (cost / benefit)? Explain and defend their solutions in presentations and memories

STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hours large group</td>
<td>42</td>
<td>28.00</td>
</tr>
<tr>
<td>Self study</td>
<td>84</td>
<td>56.00</td>
</tr>
<tr>
<td>Guided activities</td>
<td>24</td>
<td>16.00</td>
</tr>
</tbody>
</table>

Total learning time: 150 h
INTRODUCTION TO ENGINEERING PROJECT MANAGEMENT

Description:
content english

BUSINESS INFORMATION SYSTEMS TO MANAGE ENGINEERING PROJECTS

Description:
content english

PROPOSALS FOR PUBLIC AND PRIVATE FINANCING PROJECTS

Description:
2.1 National public projects
2.2 International public projects
2.3 Private projects
2.4 Innovative public procurement: use cases
2.5 Construction of a project proposal
2.6 Criteria for the evaluation of a project proposal

OPEN CHALLENGE

Description:
1. Presentation of an open challenge
2. Definition of multidisciplinary teams of an engineering project
3. Creation of the structures of the project
4. Evaluation of the project proposal according to established criteria
5. Execution of an engineering project
6. Monitoring and control of an engineering project

PROJECT

Description:
content english

GRADING SYSTEM

BIBLIOGRAPHY

Basic: