

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

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

Total learning time: 75h	Hours large group:	22h	29.33%
	Self study:	53h	70.67%

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Content

<p>Module 1: Project Planning</p>	<p>Learning time: 30h Theory classes: 10h Self study : 20h</p>
<p>Description: Scope Management Time Management Cost Management Quality Management People Management Communication Management Risk Management</p> <p>Related activities: Individual and Group Activities Group Project</p>	
<p>Module 2: Project Implementation and Monitoring</p>	<p>Learning time: 30h Theory classes: 10h Self study : 20h</p>
<p>Description: Scope Management Time Management Cost Management Quality Management People Management Communication Management Risk Management Project Closure</p> <p>Related activities: Individual and Group Activities Group Project</p>	
<p>Module 3: Software for Project Management</p>	<p>Learning time: 15h Theory classes: 4h Self study : 11h</p>
<p>Description: Software Management</p> <p>Related activities: Individual and Group Activities Group Project</p>	

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Qualification system

The final grade depends on the following elements:

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

Bibliography

Basic:

Project Management Institute. A guide to the project management body of knowledge [on line]. 6th ed. Newtown Square, Pennsylvania: Project Management Institute, 2017 [Consultation: 03/10/2018]. Available on:
<<http://ebookcentral.proquest.com/lib/upcatalunya-ebooks/detail.action?docID=5180849>>. ISBN 9781628253900.