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% |
## Content

### Module 1: Project Planning
**Learning time:** 30h  
Theory classes: 10h  
Self study: 20h

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

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

### Module 2: Project Implementation and Monitoring
**Learning time:** 30h  
Theory classes: 10h  
Self study: 20h

**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

### Module 3: Software for Project Management
**Learning time:** 15h  
Theory classes: 4h  
Self study: 11h

**Description:**  
Software Management

**Related activities:**  
Individual and Group Activities  
Group Project
Qualification system

The final grade depends on the following elements:

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

Bibliography

Basic: