

Course guides

230854 - PM - Project Management

Last modified: 29/04/2020

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: 2020 **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

Type	Hours	Percentage
Hours large group	24,0	31.17
Self study	53,0	68.83

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:

- A guide to the project management body of knowledge: PMBOK guide [on line]. 6th ed. Newtown Square, Pennsylvania: Project Management Institute, 2017 [Consultation: 24/04/2020]. Available on: <https://ebookcentral.proquest.com/lib/upcatalunya-ebooks/detail.action?docID=5180849>. ISBN 9781628251845.