60932 - Telecommunication project management

Información del Plan Docente

Academic Year	2016/17
Academic center	110 - Escuela de Ingeniería y Arquitectura
Degree	533 - Master's Degree in Telecommunications Engineering
ECTS	5.0
Course	2
Period	First semester
Subject Type	Compulsory
Module	---

1.Basic info

1.1.Recommendations to take this course

1.2.Activities and key dates for the course

2.Initiation

2.1.Learning outcomes that define the subject

2.2.Introduction

3.Context and competences

3.1.Goals

3.2.Context and meaning of the subject in the degree

3.3.Competences

3.4.Importance of learning outcomes

4.Evaluation

5.Activities and resources

5.1.General methodological presentation

The learning process designed for this subject is based on the following:

M1. Lectures (40 hours). Presentation of the main contents of the subject, combined with the active participation of students. This activity will take place in the classroom in person. This methodology, supported by the work of the student (M14) is designed to provide the students with the theoretical foundations of the subject.

M8: Classroom practices (10 hours). Sessions where problem solving and practical cases proposed by the teacher,

related to the lectures, are performed by the students. It is expected that the students will expose individually or in groups authorized by the teacher. This activity will take place in the classroom in person. It may be required the use of laptops/tablets by the students.

M4: tutored practical work (36 hours). Students will have to perform a practical work in group and tutored by the teacher, based on the contents of the subject.

M10: Tutoring . Personalized attention to students with the aim of reviewing and discussing the materials and topics presented in both theoretical and practical classes.

M11: Evaluation . Set of theoretical and reporting practices or works used in the evaluation of student progress. The detail is in the corresponding activities section.

5.2.Learning activities

The program that the student is offered to help you achieve the expected results includes the following activities ...

Lectures

Weekly 2 hours will be given in the classroom, according to the class schedule and planned program

Classroom practices

This activity will be conducted in person in the classroom related to the subject. It will comprise 10 hours and will work a specific problem related to the theory for a better understanding of various concepts of Telecommunications Engineering. Students will submit a short written report containing the main findings of the performed work.

Tutored work

The tutored work will be based on the analysis, design, understanding, development and implementation of a project proposal related to Telecommunication Engineering and proposed by the teacher or by the students themselves if the subject has enough complexity. It will be conducted by a working group that includes the need for coordination and will be assessed by a written report and an oral presentation.
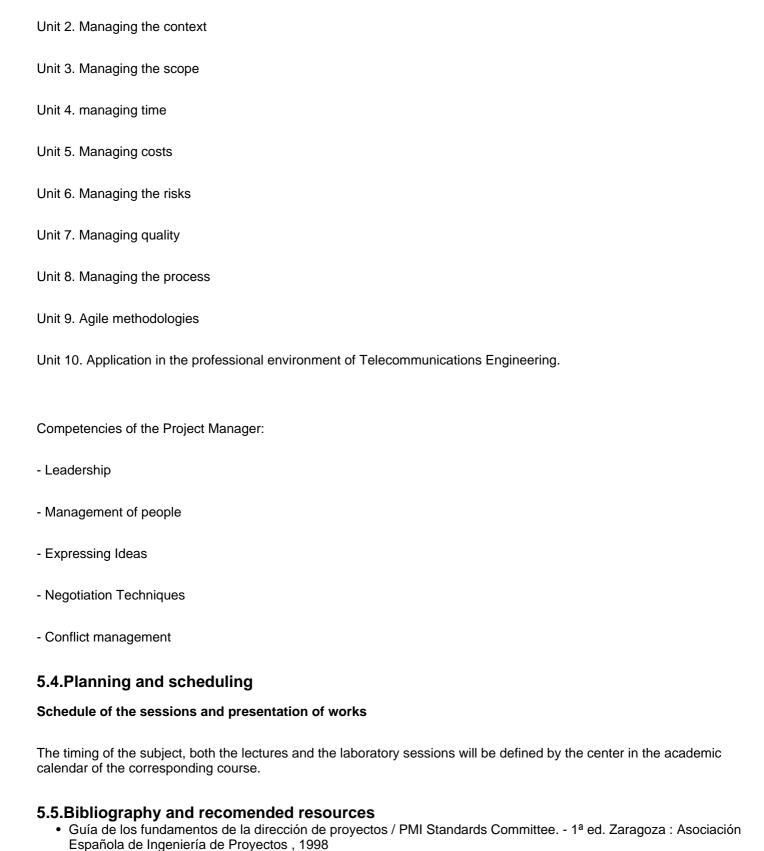
Individual tutorials

Students may ask for individual tutorials for both practical and theoretical clases. A request for appointment will be agreed with the corresponding teacher.

5.3.Program

The distribution into thematic units of the subject is as follows:

Unit 1. The project

Unit 2. Managing the context

Unit 3. Managing the scope

Unit 4. managing time

Unit 5. Managing costs

Unit 6. Managing the risks

Unit 7. Managing quality

Unit 8. Managing the process

Unit 9. Agile methodologies

Unit 10. Application in the professional environment of Telecommunications Engineering.

Competencies of the Project Manager:

- Leadership

- Management of people

- Expressing Ideas

- Negotiation Techniques

- Conflict management

5.4.Planning and scheduling

Schedule of the sessions and presentation of works

The timing of the subject, both the lectures and the laboratory sessions will be defined by the center in the academic calendar of the corresponding course.

5.5.Bibliography and recomended resources
- Guía de los fundamentos de la dirección de proyectos / PMI Standards Committee. - 1ª ed. Zaragoza : Asociación Española de Ingeniería de Proyectos , 1998
- International Project Management Association. NCB 3.1 Bases para la Competencia en Dirección de Proyectos,

publicado por IPMA (International Project Management Association) AEIPRO, 2009
- Kerzner, Harold. Project management : a systems approach to planning, scheduling, and controlling / Harold Kerzner . - 6th ed New York : John Wiley, cop. 1998
- Using the Project Management Madurity Model, Strategic Planning for Project Management / Harold Kerzner, ISBN: 978-0-471-69161-7 Ed Wiley.. - 2nd ed. Wiley, 2005
- A Guide to the Project Management Body of Knowledge (PMBOK® Guide)—Fifth Edition, 2013. Project Management Institute