60932 - Telecommunication project management

Información del Plan Docente

Academic Year	2017/18
Subject	60932 - Telecommunication project management
Faculty / School	110 - Escuela de Ingeniería y Arquitectura
Degree	533 - Master's Degree in Telecommunications Engineering
ECTS	5.0
Year	2
Semester	First semester
Subject Type	Compulsory
Module	---

1.General information

1.1.Introduction

1.2.Recommendations to take this course

1.3.Context and importance of this course in the degree

1.4.Activities and key dates

2.Learning goals

2.1.Learning goals

2.2.Importance of learning goals

3.Aims of the course and competences

3.1.Aims of the course

3.2.Competences

4.Assessment (1st and 2nd call)

4.1.Assessment tasks (description of tasks, marking system and assessment criteria)

5.Methodology, learning tasks, syllabus and resources

5.1.Methodological overview

The methodology followed in this course is oriented towards achievement of the learning objectives. A wide range of teaching and learning tasks are implemented, such as

M1 Lectures (30 hours). Presentation of the main course contents combined with the active participation of students.

60932 - Telecommunication project management

This activity will take place in the classroom. This methodology, supported by the the student's autonomous work (M14) is designed to provide the students with the necessary theoretical aspects of the course.

M8 Practice sessions (10 hours). Sessions of problem-solving and practical cases proposed by the teacher related to the lectures. It is expected that the students will present individually or in groups their results under the teacher's supervision. This activity will take place in the classroom. It may be required the use of laptops/tablets by the students.

M4 Assignment (36 hours). Students will have to prepare a practical assignment in groups and supervised by the teacher, based on the contents of the course.

M10 Tutorials. Teacher's office hours to review and discuss the materials and topics presented in both lectures and practice sessions.

M11 Assessment. A set of reports and assignments used in the evaluation of the student. The details are in the "Assessment" section.

5.2.Learning tasks

The course includes the following learning tasks:

- **Lectures** (30 hours). 2 weekly hours scheduled according to the calendar and structured as shown in the syllabus.
- **Practice Classes** (10 hours). Students will work on specific problems related to the theory for a better understanding of concepts of Telecommunication Engineering. Students will submit a short written report containing the main findings of the tasks.
- **Assignments** (36 hours). The guided assignment will be based on the analysis, design, understanding, development and implementation of a project proposal related to Telecommunication Engineering. It will be a topic proposed by the teacher or by the students if the topic has enough complexity. It will be conducted in groups and assessed by a written report and an oral presentation.
- **Tutorials.** They aim to help students solve doubts and questions that have arisen during the preparation of the theoretical part.

5.3.Syllabus

The course will address the following topics:

- Topic 1. The project
- Topic 2. Managing the context
- Topic 3. Managing the scope
- Topic 4. Managing time
- Topic 5. Managing costs
- Topic 6. Managing the risks
- Topic 7. Managing quality
- Topic 8. Managing the process
- Topic 9. Agile methodologies
- Topic 10. Application in the professional environment of Telecommunications Engineering.

Competences of the Project Manager:

- Leadership
- Management of people
- Expressing Ideas
- Negotiation Techniques
- Conflict management

60932 - Telecommunication project management

5.4.Course planning and calendar

Further information concerning the timetable, classroom, office hours, assessment dates and other details regarding this course, will be provided on the first day of class or please refer to the EINA website.

5.5.Bibliography and recommended 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