

60964 - Telecommunication project management

Syllabus Information

Academic Year: 2020/21

Subject: 60964 - Telecommunication project management

Faculty / School: 110 - Escuela de Ingeniería y Arquitectura

Degree: 623 - Master's Degree in Telecommunications Engineering

ECTS: 6.0

Year: 1

Semester: Second semester

Subject Type: Compulsory

Module: ---

1.General information

1.1.Aims of the course

1.2.Context and importance of this course in the degree

1.3.Recommendations to take this course

2.Learning goals

2.1.Competences

2.2.Learning goals

2.3.Importance of learning goals

3.Assessment (1st and 2nd call)

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

4.Methodology, learning tasks, syllabus and resources

4.1.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 (24 hours). Presentation of the main course contents combined with the active participation of students. This activity will take place in the classroom. This methodology, supported by the student's autonomous work (M14) is designed to provide the students with the necessary theoretical aspects of the course.

M3 Work group (24 hours). Work to be developed in the classroom based on short works to be done by small groups under the teacher supervision. This activity may be done remotely.

M8 Practice sessions (12 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.

M13 Assignment (51 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.

4.2.Learning tasks

The course includes the following learning tasks:

- **Lectures** (24 hours). 2 weekly hours scheduled according to the calendar and structured as shown in the syllabus.
- **Practice Classes** (24+12 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** (51 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.

4.3.Syllabus

The course will address the following topics:

- Topic 1. The Project: the PMI model
- 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. Other methodologies: agile & PM2
- Topic 9. R&D projects
- Topic 10. Entrepreneurship foundations.

Competences of the Project Manager:

- Leadership
- Management of people and the information
- Team formation and conflict management
- Oral and writing communication
- Negotiation Techniques

4.4.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.

4.5.Bibliography and recommended resources

<http://psfunizar7.unizar.es/br13/egAsignaturas.php?codigo=60932&Identificador=4855>