

Academic Year/course: 2021/22

## 30323 - Telecommunications Projects Management

### Syllabus Information

**Academic Year:** 2021/22

**Subject:** 30323 - Telecommunications Projects Management

**Faculty / School:** 110 - Escuela de Ingeniería y Arquitectura

**Degree:** 438 - Bachelor's Degree in Telecommunications Technology and Services Engineering  
581 - Bachelor's Degree in Telecommunications Technology and Services Engineering

**ECTS:** 6.0

**Year:** 581 - Bachelor's Degree in Telecommunications Technology and Services Engineering: 3  
438 - Bachelor's Degree in Telecommunications Technology and Services Engineering: 4

**Semester:** 438 - First semester

581 - Second semester

**Subject Type:** Compulsory

**Module:**

### 1. General information

### 2. Learning goals

### 3. Assessment (1st and 2nd call)

### 4. Methodology, learning tasks, syllabus and resources

#### 4.1. Methodological overview

The subject program is developed through the following methodologies:

Classroom and laboratory methodology: lectures (M1), resolution of practical problems in the classroom (M8), lab practices (M9) and evaluation (M11). Additionally, students will be personally attended through tutoring sessions (M10)

Autonomous learning: In addition to the lectures and labs, the learning activities will require autonomous learning: practical work (M13), theoretical (M14) and practical (M13) study.

We visit Telecommunication's companies (M16)

#### 4.2. Learning tasks

The program includes the following learning tasks:

##### CLASSROOM HOURS

It includes classes of the course and practical work in the classroom. At the same time, training seminars will be conducted by various professional engineers. This activity will be in the classroom. if necessary, it will be done by telematic procedures.

##### E X T E R N A L

##### V I S I T S

We do visits to companies in the telecommunications sector. .If necessary, it will be done by telematic procedures.

##### D E S I G N I N G

##### A

##### P R O J E C T

The tutored projects will be based on any matter of the Degree in Engineering Telecommunication technologies and services by applying the content of the subject. Work will propose students according to their learning interests and supervised by the teacher. It will be performed

through a working group including the need for coordination and it will be evaluated by a written report and an oral presentation.

For this work be conducted bi-weekly tutorials with each working group.

### 4.3. Syllabus

The course will address the following topics:

- 1.- General Theory projects
  - 1.1 Preparation Phase
  - 1.2.- Planning Phase
  - 1.3.- Phase Monitoring
  - 1.4.-Closing Phase
  - 1.5.- Human Resources
  - 1.6.- Quality, environmental control and safety
  - 1.7.- Economic management and risk
  - 1.8.- methodologies and project management techniques.
2. Engineering Projects
  - 2.1 Draft and Memory
  - 2.2 Plans
  - 2.3.- Budget
  - 2.4.- Telecommunications Projects
    - 2.4.1.- ICTs
    - 2.4.2.- Radio and TV Projects
    - 2.4.3 Professional associations
    - 2.4.4 Current Legislation.
    - 2.4.5.- R & D Project
  - 2.5.- PFC or TFC
3. Project technology company. How to create your company/project
  - 3.1 Business Plan
  - 3.2.-Methodologies

### 4.4. Course planning and calendar

Schedule sessions and presentation of works  
The schedule of the course, both of the sessions in the classroom and outside visits will be determined by the academic calendar that the center established for the corresponding course.

### 4.5. Bibliography and recommended resources

Transparencies, annotated bibliography and case studies. Information will be available in: <https://moodle.unizar.es/>.  
<http://psfunizar10.unizar.es/br13/egAsignaturas.php?codigo=30323>