

## 30031 - Project Office

### Syllabus Information

**Academic year:** 2023/24

**Subject:** 30031 - Project Office

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

**Degree:** 436 - Bachelor's Degree in Industrial Engineering Technology

**ECTS:** 6.0

**Year:** 4

**Semester:** Second semester

**Subject type:** Compulsory

**Module:**

### 1. General information

The Project Office subject aims to be a transversal subject that gives a global sense to the specialized knowledge acquired in the different subjects of the degree, through the resolution and management of a complex engineering project/problem.

The main objective of the course is that the student is able to manage the complexity of a engineering project. Complexity derived from the lack of specific needs, the existence of different solutions, the work within a team and the relationship with different entities involved in the project.

#### SDG Goals

Goal 9: Industry, innovation and infrastructure.

Goal 9.4: Modernize infrastructures. Clean technology.

### 2. Learning results

In order to pass this subject, the students shall demonstrate they has acquired the following results:

- Understand the interrelationships between all the agents involved in the project.
- Interpret the fundamental concepts and standards related to industrial projects.
- To understand the aspects and characteristics involved in the technical studies of industrial activity.
- Perform and carry out the definition, design, planning, development and monitoring of a project.
- Interpret and prepare the specific technical documentation of a project of their specialty.
- Understand the social, environmental, economic and industrial implications of industrial projects.

### 3. Syllabus

Topic 1: Introduction.

Topic 2: Project definition.

Topic 3: Previous studies.

Topic 4: Project planning.

Topic 5: Basic engineering of the project.

Topic 6: Detailed engineering of the project.

Topic 7: Supervision, execution and start-up.

Topic 8: Project structure and documentation.

Topic 9: The industrial engineering profession.

### 4. Academic activities

The methodology used is Project Based Learning. The fundamental activity of learning is the performance of a industrial Engineering project, which will be carried out in teams to facilitate collaborative learning among students.

This work will require the integration of the knowledge you have been learning throughout your studies and apply it to a context that simulates a real customer service situation.

There is the possibility of doing practical work in a company. This option is subject to availability and students may participate on a voluntary basis.

### 5. Assessment system

The assessment will consist of a global test consisting of two parts:

- Multiple choice test. This exam, if scheduled, will account for 30% of the student's grade.
- Practical work(s). Based on one or more practical work done in groups, which must be submitted and presented on the day of the test. The quality of the documentation and the defense of the same will be valued, and will account for 70% of the student's grade. If the theoretical test is not scheduled, this practical part will account for 100% of the grade. Peer review systems may be proposed for this assessment.

In order to pass the subject, at least a 5 in each of the parts is required. During the theory sessions, may propose questionnaires that may represent up to one additional point in the theoretical part, as long as it is higher than 4.0.