

25885 - Management of Design Projects

Syllabus Information

Academic year: 2024/25

Subject: 25885 - Management of Design Projects

Faculty / School: 110 - Escuela de Ingeniería y Arquitectura

Degree: 558 - Bachelor's Degree in Industrial Design and Product Development Engineering

ECTS: 6.0

Year: 3

Semester: Second semester

Subject type: Compulsory

Module:

1. General information

The main objective of this subject is that the student learns to correctly manage a design project, development and market launch of a new product, in order to meet the objectives set in it and the constraints imposed (deadline, cost, etc.).

2. Learning results

- Be able to define the scope of a design project.
- Be able to perform schedule, cost and resource planning of a design project using advanced design project planning techniques, such as critical path method, slack management or the critical chain.
- To know the basic processes of project control.
- Know how to perform risk management of a design project.
- Be able to make a detailed estimate of a design project using different estimating techniques depending on the stage of the project, the intended purpose and the estimating error allowed for that stage.

3. Syllabus

The syllabus will have the following contents:

- Scope of the project.
- Project planning and control.
- Project budgeting and costing.
- Project feasibility study.
- Agile methodologies in project management.
- Project risk management.
- Project closure and lessons learned.

4. Academic activities

Lectures. Weekly two-hour sessions: 30h.

Laboratory practices with specific Project Management software and project realization: 30h.

Carrying out practical application or research work: 65h.

Effective personal study: 20h.

Assessment tests. 5h.

5. Assessment system

Both in the first and in the second call, the assessment will consist of a global test that will consist of two parts:

- Multiple choice test. This exam will make up 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. 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.

6. Sustainable Development Goals

9 - Industry, Innovation and Infrastructure