62239 - Product-service Design

Syllabus Information

Academic Year: 2020/21
Subject: 62239 - Product-service Design
Faculty / School: 110 - Escuela de Ingeniería y Arquitectura
Degree: 534 - Master's in Computer Engineering
ECTS: 6.0
Year: 2
Semester: First semester
Subject Type: Optional
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 learning process that has been designed for this subject is based on the following:
The learning process revolves around practical group work in which a service is designed, as far as possible for a real client.
The theoretical classes will be structured in two parts, the first one will be used to present concepts and tools and the second one will be used to apply them to the students' practical work.

4.2.Learning tasks

The course consists of 6 credits, which is equivalent to 150 hours of student work, and is distributed in the following classes following learning activities:
- Theory, problem solving and case studies 20 hours
- Practice 40 hours
- Practical application or research work 70 hours
- Theory study 10 hours
- Evaluation tests 6 hours
- Personalized guardianship 4 hours

4.3.Syllabus

The course works on the following contents:

- Product, extended product, service and experience.
- Product Service System, Functional Unit. Delimitation of the service understood as the solution to a problem.
- Development of methodology in the field of product and service.
- Scanning tools.
- Tools for creation and reflection.
- Implementation tools.
- Economic model of service.

4.4.Course planning and calendar

At the beginning of the course, students will be given a calendar detailing the schedule of all the learning activities proposed in the course.
All activities, work and key dates will be communicated at the beginning of the course.

4.5.Bibliography and recommended resources