Universidad Zaragoza

Academic Year/course: 2023/24

25886 - User Interaction

Syllabus Information

Academic year: 2023/24
Subject: 25886 - User Interaction
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 approach and objectives of the subject are, on the one hand, to become aware of the importance of interface design in any design project, and on the other hand, to live an experience of putting this importance into practice with the realization of a team work.

It is a subject whose evaluable contents alone still do not give the student direct capabilities to develop the necessary skills to contribute to the achievement of the 2030 Agenda, but nevertheless they are essential to base the subsequent knowledge of the rest of the degree that is more directly related to the SDGs and therefore, to the 2030 Agenda.

2. Learning results

1. Understand and comprehend the different characteristics of the users.
2. Analyze in depth the environment of use of a product.
3. Design an interface taking into account the above.
4. Perform user tests to verify interaction.

3. Syllabus

1. The interaction process.
2. Conceptual design of the interface and user perception mechanisms.
3. Logical design of the interface and information architecture.
4. Physical and visual design of the interface.
5. Prototyping and evaluation.

4. Academic activities

Lectures. Weekly two-hour sessions: 30h.

Problem solving and case studies: 15h.

Personalized teacher-student mentoring. The work teams will carry out a weekly session of one hour of tutoring and follow-up of the practical work: 15h.

Carrying out practical application or research work: 60h.

Effective personal study: 25h.

Assessment tests. 5h.

5. Assessment system

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

- **Multiple-choice test.** This exam will account for 25% of the student's grade.
- **Practical work(s).** Based on one or several practical works carried out in group, which must be handed in and presented on the day of the test. In the case of those students who cannot participate in the learning activities on a regular basis, such work(s) should be performed on an individual basis. The quality of the documentation and its defense will be evaluated, and will account for 75% of the student's grade. For this assessment, peer review systems may be proposed.

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