

Información del Plan Docente

Academic Year	2018/19
Subject	25879 - Ergonomics
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	First semester
Subject Type	Compulsory
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 subject is oriented through the methodology of Project Based Learning. Students organized in groups live, through the realization of their project, the experience of performing a professional work in the field of ergonomics.

4.2.Learning tasks

The program offered to the student to help him achieve the expected results includes the following activities:

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- Lectures (30h). Weekly sessions of two hours.
- Resolution of problems and cases (15h). Students will complete a series of problem and case study sessions throughout the course.
- Personal tutor-student tutelage. (15h). The work teams will carry out a one-hour session of tutoring and follow-up of the practical work each week. The sessions will be focused so that the students solve doubts and can develop the work entrusted to them.
- Realization of practical application or research works (60h). The realization of works and / or practical cases in equipment is considered the fundamental teaching activity where the student will acquire most of the competences and the learning results of this subject. The teams will be formed by a variable number of students between 3 and 8 and will be periodically monitored by a teacher-tutor who will act as a facilitator of learning.
- Effective personal study (approximately 25 hours). Referred to the estimated average time necessary for the theory exam preparation.
- Evaluation test (5h). The expected duration for the theoretical evaluation test is 2.5 hours. Additionally, the students will defend their work and will attend the work presentations of the rest of their classmates, to whom they will dedicate approximately 2.5 hours. In the event that the global test is chosen, in which case, the total duration of the test (theory and practice) will be 5h.

4.3.Syllabus

The contents that will be developed in this subject will be framed within the following subjects:

1.- Anthropometry.

2.- Biomechanics.

3.- Design for the task.

4.- Environmental ergonomics.

4.4.Course planning and calendar

At the beginning of the course and depending on the calendar and the timetable determined by the EINA, the detailed programming will be provided to the students.

The most important activities to take into account in this subject are:

1. Group formation

2. Selection of works

3. Oral defense of the works

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4. Theoretical exam - Band of exams

Consult the website of the EINA, <https://eina.unizar.es/> to obtain information about:

- * Academic calendar (period of classes and non-class periods, festivities, exam period).
- * Hours and classrooms.
- * Dates in which the examinations of the official calls of the subject will take place.
- * Teacher tutoring schedules.

4.5. Bibliography and recommended resources