

30265 - Information Systems Laboratory

Syllabus Information

Academic Year: 2019/20

Subject: 30265 - Information Systems Laboratory

Faculty / School: 110 - Escuela de Ingeniería y Arquitectura

Degree: 439 - Bachelor's Degree in Informatics Engineering

ECTS: 6.0

Year: 4

Semester: 439 - Second semester

439 - Second semester

439 - Second semester

439 - Second semester

439 - Second semester

439 - Second semester

443 - Second semester

443 - Second semester

Subject Type: ---

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 methodology followed in this course is oriented towards the achievement of the learning objectives. A wide range of teaching and learning tasks are implemented such as:

- (i) The primary aim of this course is that students should acquire a number of skills from the development of a complex information system project throughout the course.
- (ii) Students will submit partial assignments periodically. In consequence, from a methodological perspective, there will not be lectures for this course, but students will work in groups and the instructor will track their progress. The assessment will be based on oral examinations of the work accomplished, as well as the presentation of the technical documents developed, related to the project.

4.2.Learning tasks

The course includes the following activities:

- 1. Laboratory sessions (3 hours per week throughout the course), working along with the instructor.
- 2. Personal study (80 hours): Students will study on their own, making use of any of the available material in order to develop the skills and required assignments.
- 3. Writing of a technical report (20): Once the project is successfully developed, and once the instructor has authorised it, students should develop and defend a technical report.
- 4. Submissions and their defence (5 hours): Students will defend their assignments to the course instructors periodically. These assignments seek a twofold objective: (i) To assess the students' progress and (ii) To guide students in their learning process.

4.3.Syllabus

The development of an information system project in order to solve a data and information management challenge.

4.4.Course planning and calendar

The laboratory schedule, as well as the assignment defence, will be announced in advance.

4.5.Bibliography and recommended resources