

30743 - Construction 4B

Syllabus Information

Academic Year: 2021/22

Subject: 30743 - Construction 4B

Faculty / School: 110 - Escuela de Ingeniería y Arquitectura

Degree: 470 - Bachelor's Degree in Architecture Studies

ECTS: 6.0

Year: 5

Semester: Second semester

Subject Type: Optional

Module:

1. General information

2. Learning goals

3. Assessment (1st and 2nd call)

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 lectures, workshops, tutorials, and autonomous work and study.

- 1. The acquisition of basic knowledge is mainly developed through participatory lectures and small case studies.
- 2. The application of knowledge is done through workshop sessions in which students will develop a final work under the supervision of teachers.
- 3. The tutorials will serve to review both knowledge and the work done by the student.

To follow the theory the student will be in possession of the teaching materials developed by teachers and various materials of interest to increase motivation and curiosity in order to continue learning individually.

4.2. Learning tasks

This course is organized as follows:

- **Lectures**
- **Workshops.** Two hours a week will be developed and taught as workshop classes in which students will develop the knowledge acquired in theory.
- **Tutorials**

The practices will focus on the resolution of an urban area, to be delivered at the end of the course, so that students will face the street design, addressing geometry, structural solution, and urban details, as well as the integration of all the urban elements.

4.3. Syllabus

This course will address the following topics:

- 1. Introduction
- 2. Technical conditions. Pre-existent
- 3. Street design
- 4. Construction of the road. Geometry
- 5. Construction of the road. Structure
- 6. Pedestrian space and the bicycle
- 7. Driveway and parking
- 8. Details and pathologies
- 9. Landscape, green areas, and gardens
- 10. Urban furniture

4.4. Course planning and calendar

- Two hours of weekly theoretical knowledge will be taught. The theoretical teaching of the course will be developed through participatory lectures.
- Complementarily will be developed and taught as workshop classes in which students will develop the knowledge acquired in theory. The practice sessions will focus on the constructive resolution of a design for a public space, to be delivered at the end of the course.
- Throughout the course they will make several partial deliveries of work, announced in advance through e-mail and the moodle platform, indicating the work to be included. There will be a final delivery of all the work, the deadline shall be determined in coordination with deliveries of works of other courses.
- The student will be evaluated through a system of continuous assessment. Students who do not opt for continuous assessment, who do not pass the course by this procedure, or who want to improve their final score, are entitled to present to a final global test, prevailing in any case, the best test scores

Further information concerning the timetable, classroom, office hours, assessment dates and other details regarding this course will be provided on the first day of class or please refer to the College of Higher Engineering and Architecture (EINA) website (<https://eina.unizar.es/>) and Moodle.

4.5. Bibliography and recommended resources

The student could find additional information and resources in the library:
<http://psfunizar7.unizar.es/br13/egAsignaturas.php?id=8663>