

30726 - Construction 2

Syllabus Information

Academic Year: 2022/23

Subject: 30726 - Construction 2

Faculty / School: 110 - Escuela de Ingeniería y Arquitectura

Degree: 470 - Bachelor's Degree in Architecture Studies

ECTS: 6.0

Year: 3

Semester: First semester

Subject Type: Compulsory

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. It is based on participation and the active role of the student favors the development of communication and decision-making skills. A wide range of teaching and learning tasks are implemented, such as lectures, assignments, autonomous work, and tutorials.

Students are expected to participate actively in the class throughout the semester.

Classroom materials will be available via Moodle. These include a repository of the lecture notes used in class, the course syllabus, as well as other course-specific learning materials, including a discussion forum.

The course consists of a theoretical part in which knowledge about construction systems applicable to architecture is introduced. In parallel, practical activities are devoted. The exercises are performed in groups of 3-4 students during the semester and are supervised during the course.

In a complementary way, visits to construction sites, practical exercises-problems in class and knowledge transfer with experts from the business and institutional world are carried out during the teaching of the subject.

Further information regarding the course will be provided on the first day of class.

4.2. Learning tasks

This is a 6 ECTS course organized as follows:

Total hours of student work: 150 hours (6 ECTS)

Theoretical credits: 75 hours (3 ECTS)

Practical credits: 75 hours (3 ECTS)

Type A Activities

1. Theoretical and problems resolution classes

2. Practical classes

? Case study discussions.

? Tutorial sessions

3. Scheduled Tutoring.
4. Troubleshooting
5. Assistance and/or visits to building works, buildings or conferences
6. Written test Theoretical knockout tests

Type B Activities

7. Study and individual work.
8. Performing tasks and projects individually and/or in small groups.

4.3. Syllabus

General content

- Nearly Zero Energy Buildings (nZEB)
- Building Systems and Construction Materials
- Facade Systems and Materials
- Opening Systems and Materials
- Roof Systems and Materials
- Partitioning Systems and Interior carpentry
- Flooring and Finishing Systems
- Floors and slabs in contact with the ground

4.4. Course planning and calendar

Theoretical classes of 2 hours per week according to the School schedule.

Practical classes of 2 hours per week according to the School schedule.

Three problem sessions of 2 hours according to the schedule of the School of Engineering and Architecture

The course assignments will have partial pre-delivery dates that will be defined at the beginning of the course.

The date of the partial theoretical test will be defined at the beginning of the course.

The date of the final test (in case of not overcoming partial test and pre-delivery in its practical and theoretical part) will be included in the School exams calendar.

4.5. Bibliography and recommended resources

<http://psfunizar10.unizar.es/br13/egAsignaturas.php?codigo=30726>