

30726 - Construction 2

Syllabus Information

Academic Year: 2019/20

Subject: 30726 - Construction 2

Faculty / School: 110 -

Degree: 470 - Bachelor's Degree in Architecture Studies

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 designed for this course is based on the following:

The course consists of a theoretical part where knowledge about properties, shape, processes, types, norms, on-site installation, construction applications and pathologies of the building systems, materials and construction products are introduced. In these theoretical sessions students are encouraged to actively participate in relation to activities previously proposed.

In parallel, practical activities are devoted to two exercises of application of the theoretical knowledge. The exercises are performed in groups of 3-4 students during the semester and are supervised during the course, thus allowing a continuous evaluation. The first exercise is done individually, while the second takes place in groups of 3-4 students. Both run during the semester, being supervised by teachers weekly, thus allowing a continuous evaluation of the student.

Complementarily visits to works and construction companies are made, and talks and lectures by companies and industry professionals are organised.

4.2.Learning tasks

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

Theoretical credits: 75 hours (3 ECTS)

Practical credits: 75 hours (3 ECTS)

Classroom activities

1. Theoretical and problems resolution classes (large group).
2. Practical classes (intermediate group).
 - Case study discussions.
 - Tutorial sessions.
3. Visits to on-site building constructions, buildings or conferences.
4. Scheduled tutoring.
5. Written test

Distance activities

6. Studying and individual work.
7. Performing tasks and projects individually and/or in small groups.

4.3.Syllabus

General content

- 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
- Other Systems and Materials

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.

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

The date of the theoretical test will be included in the School exams calendar.

4.5.Bibliography and recommended resources