

Academic Year/course: 2022/23

30747 - Constructive Solutions Concerning Architecture

Syllabus Information

Academic Year: 2022/23

Subject: 30747 - Constructive Solutions Concerning Architecture

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, and practice sessions.

This course has a theoretical part that consists in the analysis of three different built projects that are considered leading architectural references, from a critical viewpoint comprising constructive details, structural analysis and tectonic of materials.

In parallel, the students will develop a similar analysis for a built project of their choice. Lecturers will guide them throughout this process.

4.2. Learning tasks

This course is organized as follows:

- Lectures
- Practice sessions

This course is based on the critical analysis of different outstanding buildings. This process will be developed by the students by following similar guidelines to these employed by the lecturers.

4.3. Syllabus

This course will address the following topics:

1. Analysis of a building with steel structure.
2. Analysis of a building with reinforced concrete structure.
3. Analysis of a building with wooden structure.

4.4. Course planning and calendar

Lectures, four hours per week: two of them will be theoretical, given by the lecturers. The other two will be accomplished by the students and guided by the former.

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

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.