

30753 - Detail and Shape

Syllabus Information

Academic year: 2024/25

Subject: 30753 - Detail and Shape

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

It is taught jointly by professors from the areas of Architectural Projects and Architectural Constructions Recommendations for taking this course.

Previous knowledge of Projects and Construction is recommended. This knowledge is covered in the subjects of Proyectos 1, 2, 3, 4, 5, 6 and 7 Construcción 1, 2 and 3, and Taller Integrado de Proyectos 3 of the Degree in Architectural Studies at the University of Zaragoza.

Academic activities and key dates of the subject:

The subject is taught in theoretical and practical sessions throughout the year and is evaluated with a practical exercise developed. Seminars presented by the students and tutored by the professors will also be included. These seminars will focus on the visual and tectonic analysis of architectural references.

2. Learning results

In order to pass this subject, the students shall demonstrate they have acquired the following results:

- 1 - Ability to understand the architectural project as the result of the integration of the constructive decisions.
- 2 - Ability to discern and choose between different construction systems according to a given project intention . To understand the balance between project and construction through the construction detail.
- 3 - To be able to graphically define a project incorporating the constructive definition.
- 4 - To be able to understand and define the constructive detail as an intensification of the form. To know how to elaborate constructive details that express the architectural fact and its construction.
- 5 - Ability to demonstrate that the solution, both visual and constructive of the detail, influences the construction of the architectural form.

3. Syllabus

Actually this elective course is proposed, following the architect Javier García-Solera Vera, as a joyful learning in the field of architectural design. The student faces calmly and without any pressure the investigation of a constructive mechanism, a work, a material.

It is proposed to the students to recover the genuine look of the architect based on the rigorous analysis of the drawings and analyze built works, which are referents of architecture, with a critical view from the scale of the constructive detail, studying its technological system and the tectonics of materials.

At the same time, the practical exercise is developed, consisting of the analysis of architectural reference works from a constructive perspective.

It is proposed to reconstruct the works under analysis as a mechanism to essentially discover the architectural form, i.e., to reveal the visual relationships of the architectural elements with their respective materiality.

4. Academic activities

- 1 - Critical analysis by the professors of different works that have been referents in architecture, studying their constructive and structural solutions and the tectonics of its materials from the dimension of the architectural detail.
- 2 - Presentation by the professors of several similar works elaborated as research projects that will serve as guidelines for the students.
- 3- Presentation of a seminar by the students with the topic chosen as course work.
- 4 - Individualized correction of the course work chosen by each student.

5. Assessment system

The learning process is progressive. Weekly, following the evolution of the student, the teacher will accompany and tutor in the process and progress of the exercise. This implies that the student has to work during the whole four-month period presenting every week, or every two weeks, their evolution. The work can be carried out individually or in groups. Being an eminently practical subject, requires continuous monitoring to be effective. In order to be graded for the subject, the student must present a seminar with the progress of the work and have delivered the exercise on the indicated date.

If a student does not follow this continuous evaluation, they will have the right to a global assessment in both first and second call by means of the delivery of an individual work that will be worth 100% of the grade.