

30736 - Workshop Integrated Projects 3

Syllabus Information

Academic year: 2024/25

Subject: 30736 - Workshop Integrated Projects 3

Faculty / School: 110 - Escuela de Ingeniería y Arquitectura

Degree: 470 - Bachelor's Degree in Architecture Studies

ECTS: 6.0

Year: 4

Semester: Second semester

Subject type: Compulsory

Module:

1. General information

The subject shows the student how the construction intensifies the architectural form. The conception of the architectural form implies the simultaneous work in all scales, hence the importance of this subject to understand the detail as an intensification of it and the integrating vision of the technique in the project. This subject is understood as an interdisciplinary subject of synthesis, which brings to learning the related application of the knowledge acquired in each of the subjects, in a single project directed by teachers of different subjects, in this case, the subjects of Projects and Construction.

2. Learning results

- Ability to understand the architectural project as the result of the integration of constructive decisions.
- Ability to discern and choose between different construction systems according to a given project intention.
- To be able to graphically define a project incorporating the constructive definition.
- To be able to understand and define the constructive detail as an intensification of the form.

The importance of the learning results obtained in the subject can be summarized as follows:

- Coherence between architectural project and construction.
- Architectural expression through construction details.

3. Syllabus

- Construction and genesis of the project: the uniqueness of the creative act and the material conditions of the architectural form.
- Analysis of the interaction mechanisms between the constructive systems and the formal resolution.
- Interactions and equivalences between constructive and aesthetic decisions in the architectural project.
- The architectural project as an integrating synthesis and channel of technical solutions.

4. Academic activities

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

Theoretical credits: 37.5 hours (1.5 ECTS)

Practical credits: 112.5 hours (4.5 ECTS).

1. Theoretical and problem-based lectures and participatory lectures.

The lesson, addressed to the students as a whole, will be based on topics related to the proposed exercises. These classes aim to illustrate and form the student's view.

2. Practical classes.

Individualized critiques of each student's work. These critiques will be conducted in groups in such a way that the student will participate in the comments, not only on your project, but also on those of the rest of your colleagues.

Critiques, in the tradition of the Anglo-Saxon schools' jury, in the intermediate and final deliveries of the works with the participation of external teachers.

3. Attendance and/or visits to construction sites, buildings or conferences.

4. Scheduled tutorials.

5. Individual independent study and work.

6. Individual and/or small group work and projects.

5. Assessment system

The learning process is progressive. On a weekly basis, the teacher will monitor and supervise the process and progress of the exercises. This implies that the student has to work during the whole four-month period, presenting his or her progress every week.

Being an eminently practical subject, it requires continuous monitoring.

In order to be graded for the subject, the student must have delivered the exercises that are presented on the required date, as well as the partial deliveries that are assigned in each one of them, . Two exercises are proposed in the subject. The first aims to provide a quick response in design and construction terms to an approach usually related to a National Competition of Construction Solutions for Architecture students. The second exercise, with more time of dedication and reflection, deals with the approach and exhaustive development of the constructive solutions that would materialize the project proposed in the subject of Projects 6.

At the end of each exercise the teacher will indicate the learning status of each student. The intensity of the reflection on the contents will be valued, as well as the maximum density and interest of the final result. It will be a motive of special valuation to have finally approached the elaboration of a formally consistent and solvently represented proposal , as well as the correct constructive resolution of the project.

In the event that the student does not pass the subject by continuous assessment, two options will be offered both on the date of the first exams and the second exams: 1) If the student has completed the deliveries scheduled in the subject, they will be proposed to correct and complete the exercises of the subject; or 2) If the student has not completed the deliveries, they will be proposed to develop a specific exercise, part of which will be developed in the classroom.

6. Sustainable Development Goals

11 - Sustainable Cities and Communities