

30740 - 8A Projects

Syllabus Information

Academic Year: 2021/22

Subject: 30740 - 8A Projects

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

1.1. Aims of the course

These approaches and objectives are aligned with some of the Sustainable Development Goals, ODS, of the 2030 Agenda (<https://www.un.org/sustainabledevelopment/es/>) and certain specific goals, in such a way that the acquisition of the Learning outcomes of the subject provides training and competence to the student to contribute to a certain extent to their achievement:

ODS 8 - Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all. Target 8.2 Achieve higher levels of economic productivity through diversification, technological modernization and innovation, including by focusing on sectors with great added value and intensive use of labor.

ODS 10 - Reduction of inequalities. Target 10.2 By 2030, empower and promote the social, economic and political inclusion of all people, regardless of age, sex, disability, race, ethnicity, origin, religion or economic situation or other condition.

ODS 11 - Sustainable Cities. Target 11.4 Redouble efforts to protect and safeguard the world's cultural and natural heritage. Target 11.6 By 2030, reduce the negative per capita environmental impact of cities, including paying special attention to air quality and municipal

and municipal waste management.

another type.

ODS 13 - Adopt urgent measures to combat climate change and its effects. 13.3 Improve education, awareness, and human and institutional capacity regarding climate change mitigation, adaptation, reduction of its effects, and early warning

2. Learning goals

3. Assessment (1st and 2nd call)

3.1. Assessment tasks (description of tasks, marking system and assessment criteria)

The student has to consign the course exercises in intermediate and final deadlines, and has to include all the documentation defined by the teachers depending on the course of the exercise. With the objective of evaluate the student knowledge and skills It is neccessary to complete all the documents required in each deadline. If the course is not passed in its continuous period, the teacher will define a project for vocational period to consign in final exam date or an exam with a duration of two weeks.

EVALUATION

The evaluation of each exercise will be provided by the teacher of the group assigned in the practices and will be agreed and balanced if necessary by the rest of the teachers under the coordination of the person in charge of the subject. This procedure helps to get even more correct if possible in a rigorous and fair evaluation of the student's work, enhanced in turn by the rotation of teachers in the teaching groups.

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: architecture and heritage, intervention criteries, construction, and structure. A wide range of teaching and learning tasks are implemented, such as theory sessions, workshops, design reviews, jurys, and visits.

The development of the design exercises is weekly guided by teachers. The learning process is based on continued training. The teaching methodology is based on experimentation and personal research, logically guided and nourished with the resources provided by teachers. The creative process is not understood as a copy, it is rather thought as the continuation of exemplary projects. The student is provided with a specific bibliography directly related to the proposed topics. Each student must analyze these projects performing interpretive sketches in his personal notebook.

COURSE ORGANIZATION AND ROLE OF THE COORDINATOR

At the beginning of the course, the list of enrolled students will be divided into as many groups as there are teachers for the course. It will correspond to the coordinating professor responsible for the subject the constitution and formalization of the distribution of the students in the respective groups. Each of the groups will be assigned a teacher for each of the exercises that will rotate throughout the semester so that the teachers of the subject get to

know all the students and the final grade is more accurate and rigorous. Each student must submit a personal file at the beginning of the course. This file will serve the teacher to document the monitoring and evaluation of the students.

4.2. Learning tasks

This course is organized as follows:

- **Theory sessions**, one hour per week. The session which will be addressed to all students will be based on issues related to the proposed exercise. These sessions are intended to illustrate and form the visual intelligence of the student.
- Design reviews in the **Workshops**, individualized on the work of each student. These critics will be conducted in small groups of 15 students, so that the student may participate in the comments, not only about his/her project but on the other classmates'.
- **Design reviews**. For the whole group, these sessions are conducted referring to selected projects that can help all students.
- Intermediate and final **jurys**, involving external professors.
- **Visit** to external centres.

4.3. Syllabus

This course will address the following topics:

- - The structural order as a determinant parameter of architecture
- - Clarity of structure in the configuration of the work of architecture
- - Structural, constructive and perceptive strategies in the relationship between structure and enclosure
- - Structure and new materials
- - New contemporary strategies: structural density or dissolution

The program strikes the subject of the structure and its involvement in the definition project. Beyond the obvious mechanical properties of a structure this course tries to face the student with a program in which the design of the structure has a special significance in the spatial definition. This does not necessarily mean having to resort project with long spans. Any project that deepens in constructive and spatial parameters of the structure is appropriate.

4.4. Course planning and calendar

- Each exercise is publicly presented to all students in the first week. The presentation includes the reference to the main objectives.
- Each project is developed in seven weeks, with weekly theory lessons for the whole group.
- Students are divided in groups, as many as necessary, being optimal a maximum of fifteen students per professor.
- Each exercise will have one or two intermediate presentations.
- The mandatory documentation or content to define each presentation will be detailed by teacher depending on the course of the exercise.
- Final presentations will be evaluated following common criteria developed by the professor in charge of the course.
- A final jury will be conducted for the whole class.

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.

4.5. Bibliography and recommended resources

<http://psfunizar10.unizar.es/br13/egAsignaturas.php?id=8660>