

30709 - Architectural Shapes Analysis

Syllabus Information

Academic year: 2023/24

Subject: 30709 - Architectural Shapes Analysis

Faculty / School: 110 - Escuela de Ingeniería y Arquitectura

Degree: 470 - Bachelor's Degree in Architecture Studies

ECTS: 6.0

Year: 1

Semester: Second semester

Subject type: Basic Education

Module:

1. General information

The objective of the subject is to provide the student with the graphic and non-graphic tools and methodologies necessary for the physical or virtual realization of architectural projects. The graphic form constitutes a communication code to transmit the architectural idea with the participating agents, clients, colleagues, administration and oneself by seeing one's own ideas or creations reflected through the different supports.

The subject Analysis of Architectural Forms is located in the context of the first year of the degree in architectural studies architecture.

These approaches and objectives are aligned with the following Sustainable Development Goals (SDGs): Goal 4: Quality education; Objective 11: Sustainable cities and communities; Objective 13: Climate Action.

2. Learning results

Be able to represent on a physical support, a freehand sketch, properly proportioned and with the necessary information of a building or architectural element.

Apply, regardless of the medium used, criteria of organization, rigor, synthesis, aesthetics, etc. in the presentation of graphic documents.

Be able to analyze architectural forms, to make CAD drawings of architectural solutions.

Be capable of performing an architectural analysis of a building.

Be able to interpret and analyze a building in three dimensions, making either an architectural model or a virtual perspective.

3. Syllabus

01.- REPRESENTATION TECHNIQUES. MATERIALS / SKETCHES / DIMENSIONS

02.- REPRESENTATION TECHNIQUES. AXONOMETRY. SKETCH

03.- ANALYSIS / CONTEXT ANALYSIS

04.- FORMAL ANALYSIS

05.- SPATIAL ANALYSIS

06.- FUNCTIONAL ANALYSIS

07.- TECHNICAL ANALYSIS

08 TECHNICAL DRAWINGS I

09.- PORTFOLIO

10.- MOCKUP

11.- ARCHITECTURAL CULTURE.

4. Academic activities

4. Academic Activities

The orientation of the subject is practical, the activities that are proposed both in the theoretical and workshop hours, are directly related to the analysis of architectural forms and the ability to present and represent objects or spaces.

Lectures: 1 hour per week. Theoretical-practical sessions in which the contents of the subject and the methodology for the use of the tools will be explained

Workshop practices: 3 hours per week Conduction of individually directed practices.

External practices: 3 hours per week, alternating with workshop practice

Teaching assignments: 2 hours throughout the semester.

5. Assessment system

The subject will be assessed by the continuous assessment system by means of the following activities:

-Practices: **Practical exercises** proposed in the workshop classes, which may be performed in the same or outside them, of each of the proposed chapters, obtaining the grade of pass or fail, being the deadline for delivery, which the center set as the day of evaluation; plus the **final practice** to be performed on the day assigned by the center for evaluation, these practices being a prerequisite for the presentation of the course work, which will define the grade of the subject.

- **Coursework:** it is divided into two parts. The realization of the work of a proposed building (70% mark) and a second section an intervention on it (30% mark), whose content for each of the two parts will be:

Delineation, analysis, physical model, virtual model and photorealistic perspectives.

Assessment criteria are as follows: Contents appropriate to the proposed topics, graphic quality, accuracy of the concepts.

In order to pass the subject, it will be necessary to present and pass the proposed practices and to obtain a grade higher than 5 in each of the sections of the course work.

For the global assessment, the proposed practices, the course work and the final practice must be presented and passed.