

Academic Year/course: 2022/23

69209 - Architectonic Project and Material: Integrated Views

Syllabus Information

Academic Year: 2022/23

Subject: 69209 - Architectonic Project and Material: Integrated Views

Faculty / School: 110 - Escuela de Ingeniería y Arquitectura

Degree: 519 - Master's in Architecture

ECTS: 3.0

Year: 1

Semester: First semester

Subject Type: Optional

Module:

1. General information

1.1. Aims of the course

- 1_ To understand the meaning and use of materials in the architectural project.
- 2_ To understand the essential order of materials in architecture.
- 3_ To increase critical judgement on contemporary architecture in terms of efficiency.
- 4_ To understand the constructive decisions of the project from the point of view of sustainability and energy efficiency.
- 5_ To know how to draw up execution project documents.
- 6_ To know how to apply technical standards

1.2. Context and importance of this course in the degree

This elective enables students to discover the essential value of materials in the construction of space.

1.3. Recommendations to take this course

This subject is recommended as a complement to the compulsory subjects "Proyectos arquitectónicos avanzados" and "Técnica y materia: generación del proyecto y rehabilitación".

2. Learning goals

2.1. Competences

C.T.2

C.T.3.

C.T.4

C.T.6

C.T.9

C.T.11

C.T.12

C.E.93.OP (T)

C.E.126.OP (T)

C.E.127.OP (T)

C.E.128.OP (T)

C.E.129.OP (T)

C.E.130.OP (T)

C.E.131.OP (T)

2.2. Learning goals

Ability to deepen the character of the material and its use

2.3. Importance of learning goals

The course promotes in the student a new attitude towards architecture in relation to its materiality.

3. Assessment (1st and 2nd call)

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

The learning process is progressive and is based both on the monitoring of the cases proposed in the course and on the monitoring of the research work that the student must carry out. The intensity of the reflection on the contents as well as the maximum density and interest of the final result will be valued.

4. Methodology, learning tasks, syllabus and resources

4.1. Methodological overview

The methodology followed in this course is oriented towards achievement of the learning objectives. It is based on continuous work, experimentation and research, always guided by the teachers. A wide range of teaching and learning tasks are implemented, such as 12 case studies, research, and projects revolving around the idea "the life of a project".

Students are expected to participate actively in the class throughout the semester.

Classroom materials will be available via Moodle. These include a repository of the lecture notes used in class, the course syllabus, as well as other course-specific learning materials, including a discussion forum.

Further information regarding the course will be provided on the first day of class.

4.2. Learning tasks

This is a 3 ECTS course organized as follows:

- **Case studies** (2 weekly hours). The cases will be selected according to the exercise proposed in the topics of Architectural Design and Construction.
- **Review of case studies** while students conduct their own projects. These reviews will make references to the projects developed by students.
- Review of the student's individual **research project**. The research project will be based on one of the topics studied in the case studies.

4.3. Syllabus

The syllabus will depend on the case studies.

4.4. Course planning and calendar

The course is based on case studies, one session per case. The fourteen weeks assigned for this course are developed as follows:

- Session 1: Presentation of the 12 case studies and topics.
- Session 2, 4, 6, 8, 10, 12: Case studies from Architectural Projects
- Session 3, 5, 7, 9, 11, 13: Case studies from Construction
- Session 14: Presentation of the students' research projects.
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- 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

4.5. Bibliography and recommended resources

<http://psfunizar10.unizar.es/br13/egAsignaturas.php?codigo=69209>