

Academic Year/course: 2021/22

69202 - Advanced Architectural Projects

Syllabus Information

Academic Year: 2021/22

Subject: 69202 - Proyectos arquitectónicos avanzados

Faculty / School: 110 - Escuela de Ingeniería y Arquitectura

Degree: 519 - Master's in Architecture

ECTS: 6.0

Year: 1

Semester: First semester

Subject Type: Compulsory

Module:

1. General information

1.1. Aims of the course

1. To focus on mechanisms generators architectural form in the light of contemporary events.
2. To meditate on Ethic, Profession and the Rule.
3. To research about new techniques and cultural values.
4. To deepen in architectural projects as defining of constructive systems.
5. To intensify the critical judgment, based on contemporary architecture.
5. To transform the environment through Architecture

Sustainable Development Goals and Targets, SDGs, of Agenda 2030

Goal 8. Decent work and economic growth

8.2 Achieve higher levels of economic productivity through diversification, technological upgrading and innovation, including through a focus on high-value added and labour-intensive sectors

Goal 10. Reduced inequalities

10.2 By 2030, empower and promote the social, economic and political inclusion of all, irrespective of age, sex, disability, race, ethnicity, origin, religion or economic or other status

Goal 11. Sustainable cities and communities

11.4 Strengthen efforts to protect and safeguard the world's cultural and natural heritage

11.6 By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management

Goal 13. Climate action

13.3 Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning

1.2. Context and importance of this course in the degree

Innovative Architectural Projects is the source of the Master's Thesis, which demands the execution of the full project. Only a strong education on this area can cope this goal. In this way, we assess students mature as guaranty of that work.

From a creative and constructive understanding, a comparative analysis based on technical reasons the architectural project is facilitated. This is to enhance the knowledge and understanding of the intrinsic elements to architectural design, fostered student creativity: from constructive values and understanding of the place.

1.3. Recommendations to take this course

It is recommended as a supplement to this subject the optional subject "Proyecto Arquitectónico y Materia: Visiones Integradas/Architectural Project and Material: Integrated visions"

2. Learning goals

2.1. Competences

- C.T.2 Ability to combine general knowledge and specialized architecture to generate innovative and competitive proposals for professional activity
- C.T.4 Ability to communicate and transmit knowledge, skills and abilities
- C.T.5 Ability to analyze and assess the social and environmental impact of solutions, acting with ethic, professional responsibility and social commitment.
- C.T.6 Ability to work in a multidisciplinary group and in a multilingual environment.
- C.T.8 Ability to manage information; handling and application of technical specifications and legislation necessary for the practice of Architecture
- C.T.9 Ability to learn continuously and develop independent learning strategies
- C.T.11 Capacidad para coordinar actividades
- C.T.12 Ability to draw up reports or documents
- C.E.118.OB Suitability for conception, practice and development of projects. (T)
- C.E.120.OB Suitability for conception, practice and development Construction management (T).
- C.E.121.OB Develop functional programs of buildings and urban spaces (T).
- C.E.122.OB Ability to conserve, restore and rehabilitate the built heritag
- C.E.123.OB Ability to exercise architectural criticism
- C.E.125.OB Well knowledge of new construction techniques as generators of architectural form.

2.2. Learning goals

The student has to demonstrate:

- Ability to link between the project proposal and the historical, urban and landscape environment in which it is inserted.
- Ability to define an architectural project as an executive project.
- Ability to distinguish the different ways of work on the historical heritage and modern city.
- Ability to integrate the constructive process and creative act
- Well knowledge of rules and relations which affects the architectural project.
- Ability to exercise the architectural criticise.

2.3. Importance of learning goals

In essence the course delves into the two poles of our work: effective response to any program and its importance as art. The student will have reached the level of maturity that gives capacity for discernment.

3. Assessment (1st and 2nd call)

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

There will be a weekly follow-up procedure where the guidelines to pass the course will be given to students. The student must demonstrate that he/she has achieved the expected learning outcomes through the assessment activities.

This assessment will have two sittings:

First call. There will be a global assessment test, to which all students will be entitled.

Second call: This will be carried out by means of a global test carried out in the period established in the academic calendar.

The evaluation aspects are in both calls:

- Use of Concepts and Ideas
- Clarity in the manipulation of the Idea.
- Construction of the Idea
- Structure of the Idea

The evaluation described above will provide the final grade. With a minimum grade of 5.0 the student will have passed the course and with it the subject.

Evaluation

The assessment of each exercise will be agreed upon by the group of teachers, under the coordination of the person in charge of the subject. This procedure helps to achieve an even more rigorous and fair evaluation of the student's work, which in turn is enhanced by the rotation of teachers in the teaching groups.

The learning process is progressive. Weekly, following the evolution of the student, the teacher will accompany the process and progress of the project exercises. This course is eminently practical and therefore requires continuous monitoring to be effective.

The intensity of the reflection on the content and the maximum density and interest of the final result is evaluated. The correct resolution proposed in the draft program and developing a consistent and formally represented successfully overcome proposal is evaluated.

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. A wide range of teaching and learning tasks are implemented, such as project workshops, autonomous work, experimentation and research, individual and group tutorials.

The role of the coordinator

At the beginning of the course, the list of registered students will be divided into as many groups as there are teachers of the course. The coordinating teacher responsible for the subject will be responsible for the constitution and formalisation 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 know all the students and so that the final grade is more accurate and rigorous.

4.2. Learning tasks

The course includes the following learning tasks:

- Lectures. These talks are based on issues related to the proposed exercise and aim to intensify the student's research activity. Students receive references and specific bibliography.
- Critical project workshops. Review of the work of each student. These criticisms will be conducted in groups so that the student benefits from others' comments.
- Committee. Reviews in the intermediate and final stages of the project involving external teachers.
- Invitation to prestigious professionals to learn about the project process, sharing technical and constructive references in our professional field.

4.3. Syllabus

The course will address the proposed topics.

4.4. Course planning and calendar

The workshop will present two possible projects for the students to choose. The course includes the following learning tasks:

- Session 1: Presentation of the course, the project and itinerary
- Session 2-12: Research Literature/ Research Work/ Research Workshop
- Session 13: Final Presentation
- Session 14: Final Review

Activities:

1. Theoretical classes
2. Activity Workshop
3. Critical Review
4. Seminar Program

4.5. Bibliography and recommended resources

<http://psfunizar10.unizar.es/br13/egAsignaturas.php?codigo=69202>

