

30732 - Projects 6

Syllabus Information

Academic Year: 2020/21

Subject: 30732 - Projects 6

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

1.1.Aims of the course

The subject and its expected results respond to the following approaches and objectives:

1. Following what has been learned in previous courses, special emphasis is placed on the design of the architectural form.
2. Understand the visual and constructive values of the architectural form.
3. Continue to instruct the student in understanding the tectonic value of project decisions,
4. Deepen the value of the project as a definer of the construction system. Constructive language.
5. Interaction of idea, program and structural typology in its calculated and dimensioned reality.
6. Understanding of the project as a channel and determination of the different facilities. In

1.2.Context and importance of this course in the degree

The subject of PROJECTS 6, in the second semester of the fourth year of the degree, continues as in the previous year, the aim is to stimulate the student to analyze the exemplary projects. This subject, in the context of the degree course, is taken at the same time as the Integrated

1.3.Recommendations to take this course

In order to take this subject, it is recommended to have passed the previous subjects in the degree.

2.Learning goals

2.1.Competences

Upon passing the subject, the student will be more competent to ...

Identify the different constructive alternatives with which the architectural project can respond. Understand and extract lessons for your projects from the constructive and spatial relationships. Adequately solve a project integrating the construction criteria from its genesis.

Manage a provisioning program, not strictly and exclusively from the functional point of view.

Discern the tectonic logic of a project and its choice according to the attitude and intention.

The powers defined in the Ministerial Order and included in the Study Plan:

C.E.33.OB. Aptitude for: Removing architectural barriers (T)

C.E.34.OB Ability to: Solve passive environmental conditioning, including thermal and acoustic

C.E.36.OB Capacity for the conception, practice and development of: Basic and execution projects

C.E.38.OB Capacity for the conception, practice and development of: Construction management (T)

EC. 39.OB Ability to: Develop functional programs for buildings and urban spaces. (T)

EC. 40.OB Ability to: Intervene in and conserve, restore and rehabilitate the built heritage.

EC. 41.OB Ability to: Exercise architectural criticism.

EC. 51.OB Adequate knowledge of: Ecology, sustainability and the principles of conservation of

EC. 57.OB Knowledge of: Civil, administrative, urban planning, building and industry regulations

EC. 58.OB Knowledge of: Feasibility analysis and supervision and coordination of integrated projects

2.2.Learning goals

The student, to pass this subject, must demonstrate the following results ...

Being able to understand the internal order of a building by analyzing and deepening the form

Ability to understand the architectural project as a synthetic fact, integrating the knowledge
Appreciation of the visual and constructive values of the form as generators of the architecture
Understanding of construction as a determinant of form and ability to project from the security
Ability to integrate construction into the project as an essential creative act, responding to
Knowledge of the regulations and provisions that affect the architectural project as well as the

2.3.Importance of learning goals

The learning results are understood as basic to be able to reach the last grade course. We want

3.Assessment (1st and 2nd call)

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

The student must demonstrate that they have achieved the expected learning outcomes through the
The learning process is progressive. Weekly, following the evolution of the student, the teacher
At the end of each exercise, the teacher will indicate the learning status of each student. The
The poor evaluation of the first exercise does not presuppose a negative final grade since, in
The percentage of each exercise in the final evaluation of the course is as follows:

Exercise 1: 50%

Exercise 2: 50%

The evaluations carried out by each teacher of the works presented by the students of their group
It is understood that the final specific test is meaningless, since the evolution and learning

4.Methodology, learning tasks, syllabus and resources

4.1.Methodological overview

The learning process that has been designed for this subject is based on the following:
The development of the project exercises, guided weekly by the teachers, both in the theoretical

4.2.Learning tasks

The program offered to the student to help him achieve the expected results includes the following:
Theoretical lessons for all the students, one hour a week. The lesson, aimed at all the students

Criticisms in the project workshop, individualized on the work of each student. These criticisms

Criticism, in the tradition of the jury of the Anglo-Saxon schools, in the intermediate and final

Visits to various works to learn about the construction processes as well as how they affect the

4.3.Syllabus

The program is summarized in the completion of two exercises. The first one, carried out in group

The program includes the following topics that will be developed both in the theoretical classes:

1. Construction systems and architectural form
2. The constructive determination of architecture
3. The nature of materials and the idea of continuity at Wright
 - The significant value of the materials
4. Mies and the construction of the great form
 - Construction as an essential creative act
 - Equivalence of the constructive, design and aesthetic decision
 - The shape as a result of a laborious distillation process
5. Material, structure and order in Kahn's work
 - Constructive syntax and radical consistency
 - Structure as support and creator of form
 - Sincerity and coherence: the ontological nature of the material
 - Sensitive material experience: light, matter, texture
6. Alternatives and rejection of modernity
 - The construction revolution: artisan architecture
 - The recovery of the value of the material: the next
 - The project as overcoming material limits: matter overcomes itself
7. Technique and project: the extension of the discourse in the contemporary situation
 - Density and material minimization
 - The constructive manipulation: deconstructing, delaying

4.4.Course planning and calendar

Calendar of face-to-face sessions and presentation of works

Each of the two exercises is publicly presented to all students in the first week assigned to the student. The student must work the projects during the week so that the progress can be analyzed by the

1. Theoretical classes: one theoretical class per week will be taught directly related to the
 2. Workshop activity: in the framework of the project workshop, as a central axis of teaching.
 3. Joint criticism sessions: both in the intermediate deliveries of the exercises and in the final
 4. Personal notebook: each student will be in charge of preparing their own "travel notebook"
- The key dates of the subject are those specified for the presentation of the works and for the

4.5. Bibliography and recommended resources

We recommend the architectural magazine TECTONICA as well as Tribuna de la Construcción, TC, edited by Universidad Politécnica de Valencia.

Deplazes, Andrea. *Construir la arquitectura. De material en bruto al edificio. Un manual*, Gustavo Gili, Barcelona, 2015.