Universidad Zaragoza

Academic Year/course: 2023/24

28634 - Technical Projects II

Syllabus Information

Academic year: 2023/24
Subject: 28634 - Technical Projects II
Faculty / School: 175 - Escuela Universitaria Politécnica de La Almunia
Degree: 422 - Bachelor's Degree in Building Engineering
ECTS: 6.0
Year: 4
Semester: Second semester
Subject type: Compulsory
Module:

1. General information

Understanding the regulatory framework.

Learn the different methods of project presentation.

Be able to interpret a project.

Know the role and responsibilities of the designer.

Be able to develop real estate development studies.

Estos planteamientos y objetivos están alineados con los siguientes Objetivos de Desarrollo Sostenible (ODS) de la Agenda 2030 de Naciones Unidas (https://www.un.org/sustainabledevelopment/es/), de tal manera que la adquisición de los resultados de aprendizaje de la asignatura proporciona capacitación y competencia para contribuir en cierta medida a su logro:

Goal 4: objectives 4.5 and 4.7 Goal 5, objective 5.b. Goal 9, objective 9.c. Goal 11, objectives 11.4 and 11.6. Goal 12, objectives 12.5 and 12.8. Goal 13, objectives 13.3.

2. Learning results

Upon passing the subject, the student will be able to:

Apply the advanced tools necessary for the resolution of the parts involved in the technical project and suggestion.

They will have the aptitude to draft technical projects of works and constructions, which do not require an architectural project, as well as demolition projects and in other areas. Will be able to analyze, review and technically control the documentation graphic and other project documents.

Drafting documents that are part of execution projects elaborated in a multidisciplinary way. Capacity of analysis of execution projects and their translation to the execution of works. Aptitude for the integral management and optimisation of building projects and ability to give an opinion on technical and legal anomalies in building projects, propose solutions to avoid or remedy them and analyse, check, control, review, audit and verify advanced regulatory and technical aspects of the project.

Know the roles and responsibilities of the agents involved in building and their professional organization or business. Administrative, management and processing procedures and professional organization and basic proceduresin the field of building and development.

3. Syllabus

Methodology of an eminently practical nature, which will be accompanied by theoretical sessions in which the expository methodology will be used to present the information.

Theoretical.

MEMORANDUM:

DESCRIPTIVE MEMORY

CONSTRUCTIVE MEMORY

JUSTIFICATION E.T.C.

APPENDICES

PLANS:

ARCHITECTURE

DETAILS

GRAPHIC MEMORIES

FACILITIES

STRUCTURES

OTHER PROJECT DOCUMENTS:

STATEMENT OF OBJECTIONS

MEASUREMENTS AND BUDGETS

HEALTH AND SAFETY STUDY

WASTE MANAGEMENT

ENERGY CERTIFICATION

PHOTOGRAPHIC REPORTS

As the topics are developed, these practices will be presented, either in class or through the Moodle platform.

4. Academic activities

Generic face-to-face activities:

Theoretical classes: The theoretical concepts of the subject will be explained and illustrative practical examples will be developed as support to the theory when necessary.

Practical classes: Exercises and practical cases will be carried out as a complement to the theoretical concepts studied. Generic non face-to-face activities:

Study and assimilation of the theory presented in the lectures.

Understanding, interpretation and application of the preventive regulations discussed in class.

Job preparation.

Preparation of written tests for continuous assessment and final tests.

The subeject consists of 6 ECTS credits, which represents 150 hours of student work during the semester, i.e. 10 hours per week for 15 weeks.

A summary of the indicative time distribution of a teaching week can be seen in the following table. Activity Hours per week

Theoretical classes 2

Practical classes 2

Other activities 6

This distribution is merely indicative, since more or less practical content will be necessary depending on the subject matter. As the exposure to theoretical content progresses, the weight in hours of the theoretical content increases practical classes.

5. Assessment system

Mixed system:

Following the spirit of Bologna, regarding the degree of involvement and continuous work of the student throughout the subject, the assessment of the subject contemplates the continuous assessment system as the most appropriate to be in line with the guidelines set by the new EHEA framework.

In order to be eligible for this assessment system, the student must attend 80% of the classroom activities of the subject. The continuous assessment system will include the following group of gradable activities: 1- Individual activities in class and moodle: Active participation throughout the teaching-learning process and the contribution of photos, articles and comments both in class and in the moodle forum will contribute 15% to the final grade of the subject.

2- Exercises, theoretical questions and proposed works: Students must prepare a project individually and under a closed statement and index applied to a specific case of a work. The grade for this work will be 85% of the final grade of the subject.

Students who do not obtain a minimum grade of 4 out of 10 points in each of the sections will not be eligible for the weighting of the assessment of the activities developed during the term.

Simple system, based on a global final test consisting of two parts:

1- The students will have to elaborate a Project individually and under a closed statement and index applied to a specific case of a work . The grade for this project will be 50% of the final grade for the subject.

2- Completion of an additional exercise consisting of a test on the content of the subject. The grade of this test will be 50% of the final grade of the subject.

Students who do not obtain a minimum grade of 4 out of 10 points in each of the sections will not be eligible for the

weighting of grades.