

28609 - Building I

Syllabus Information

Academic Year: 2019/20

Subject: 28609 - Building I

Faculty / School: 175 - Escuela Universitaria Politécnica de La Almunia

Degree: 422 - Bachelor's Degree in Building Engineering

ECTS: 6.0

Year: 1

Semester: Second semester

Subject Type: Compulsory

Module: ---

1.General information

1.1.Aims of the course

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

Firstly, students must learn about the world in which they are going to carry out their profession and the regulations that affect it.

Secondly, students must acquire the necessary skills that will allow them to know, understand, design and implement systems and construction processes corresponding to the first phase of the construction process, that is, the analysis of the soil, foundations, containments, structures and claddings.

1.2.Context and importance of this course in the degree

The course of Building I is the first contact that students of Technical Architecture have with constructive itself, and from which they begin to become aware of how the construction process develops in the building and the role played by the Technical Architect.

It is part of a group of specific training compulsory courses, scheduled throughout the four years of the degree, which will provide many of the specific competences and further professional skills of these graduates.

1.3.Recommendations to take this course

The course on Building I does not require other prerequisites than those established for the access to the degree. However, knowledge and strategies from the subjects of Technical Drawing, for the representation of constructive details, and Physics for the understanding of concepts related to the structure systems of will be an asset.

2.Learning goals

2.1.Competences

2.2.Learning goals

2.3.Importance of learning goals

3.Assessment (1st and 2nd call)

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

4. Methodology, learning tasks, syllabus and resources

4.1. Methodological overview

The methodology followed in this course is oriented towards the achievement of the learning objectives. A wide range of teaching and learning tasks are implemented, such as theory sessions, practice sessions, autonomous work and study, and tutorials.

A strong interaction between the teacher/student. This interaction is brought into being through a division of work and responsibilities between the students and the teacher. Nevertheless, it must be taken into account that, to a certain degree, students can set their learning pace based on their own needs and availability, following the guidelines set by the teacher.

4.2. Learning tasks

This 6 ECTS (150 hours) course is organized as follows:

- **Theory sessions.** 3 weekly hours. Theoretical activities carried out mainly through exposition by the teacher, where the theoretical supports of the subject are displayed, highlighting the fundamental, structuring them in topics and or sections, interrelating them.
- **Practice sessions.** 1 weekly hour. The teacher resolves practical problems or cases for demonstrative purposes. This type of teaching complements the theory shown in the lectures with practical aspects.
- **Tutorials:** Individual ones, carried out giving individual, personalized attention with a teacher from the department. These tutorials may be in person or online.
- **Autonomous work and study.** The students solve different kind of practical activities on their own, based on theory sessions.
 - Study and understanding of the theory taught in the lectures.
 - Understanding and assimilation of the problems and practical cases solved in the practice sessions.
 - Preparation of seminars, solutions to proposed problems, etc.
 - Preparation of laboratory workshops, of summaries and reports.
 - Preparation of the written tests for continuous assessment and final exams.

4.3. Syllabus

4.4. Course planning and calendar

4.5. Bibliography and recommended resources

http://biblos.unizar.es/br/br_citas.php?codigo=28609&year=2019