

28619 - Building III

Syllabus Information

Academic Year: 2019/20

Subject: 28619 - Building III

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

Degree: 422 - Bachelor's Degree in Building Engineering

ECTS: 6.0

Year: 2

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:

In the first place, students must learn about the field in which they will carry out their job and the regulations that affect it.

Secondly, they must acquire the necessary competences that will allow them to know, understand, design and implement building systems and processes corresponding to the different building stages, foundations, structures, roofs and claddings, as well as their specific features.

1.2.Context and importance of this course in the degree

The course of **Building III** is the third contact that the students of Technical Architecture have with construction itself, from what they begin to become aware of how the building process develops in a global way and the role played by the Graduate in Technical Architecture.

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

1.3.Recommendations to take this course

The current curriculum does not set up any previous conditions to take this subject. However, it would be advisable not only to possess the basic knowledge of Mathematics, Physics, Fundamentals of Materials and Technical Drawing, but also to have completed and / or passed the following subjects:

- Construction Materials I.
- Construction Materials II.
- Structures I.
- Building I.
- Building II.

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 session, autonomous work and study, and tutorials.

A strong interaction between the teacher/student is promoted. 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 course is organized as follows:

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

4.3. Syllabus

4.4. Course planning and calendar

The course has 6 ECTS credits, which represents 150 hours of student work in the subject during the trimester, in other words, 10 hours per week for 15 weeks of class. This includes 3 hours of lectures, 1 of practice sessions and 6 of other activities.

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 or please refer to the Faculty of EUPLA website and Moodle.

4.5. Bibliography and recommended resources

http://biblos.unizar.es/br/br_citas.php?codigo=28619&year=2019