

28614 - Building II

Syllabus Information

Academic Year: 2019/20

Subject: 28614 - Building II

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

Degree: 422 - Bachelor's Degree in Building Engineering

ECTS: 6.0

Year: 2

Semester: First 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:

Enabling students to acquire the necessary skills that will allow him to know, understand, design and implement systems and construction processes related to building works, in the context of the outside cover (claddings and roofs) and interior finishes.

1.2.Context and importance of this course in the degree

The course of Building II assumes the continuity of the course on Building I, supplementing it and giving the Technical Architecture student a global view of the construction process in the building and the role played by the Technical Architect.

It is part of a group of specific training compulsory subjects, 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 courses of the Building Area are interlinked and scheduled throughout the degree, so it is highly recommended to have passed Building I before taking Building II

In addition, for the progress of the course, knowledge and strategies from the Subjects of Technical Drawing, for the representation of constructive details, and of Physics for the understanding of concepts related to structural systems 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, workshops, tutorials, and autonomous work and study.

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.
- **Practical 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.
- **Workshop:** The lecture group is divided up into various groups, according to the number of registered students, but never with more than 20 students, in order to make up smaller sized groups.
- **Individual Tutorials:** Those carried out giving individual, personalized attention with a teacher from the department. These tutorials can 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 sessions.
 - 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 course during the trimester, in other words, 10 hours per week for 15 weeks of class. This includes 3 hours of lectures, 1 of workshop and 6 of other activities.

Nevertheless, this can be shown in greater detail, taking into account the following overall distribution:

- 40 hours of lectures, with 50% theoretical demonstration and 50% solving type problems.
- 10 hours of laboratory workshop, in 1 or 2 hour sessions.
- 6 hours of written assessment tests, one hour per test.
- 4 hours of PPT presentations.
- 90 hours of personal study, divided up over the 15 weeks of the 2nd semester.

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=28614&year=2019