Universidad Zaragoza

Academic Year: 2025/26

28614 - Building II

Teaching Plan Information

Academic year: 2025/26
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: Materia básica de grado

1. General information

That the student acquires the necessary competences that allow him/her to know, understand, design and execute the systems and construction processes corresponding to the building work, in the context of the envelope (enclosures and roofs) and interior finishes .

These approaches and goals are aligned with the following Sustainable Development Goals (SDGs) of the United Nations Agenda 2030 (https://www.un.org/sustainabledevelopment/es/), in such a way that the acquisition of the learning results of the subject provides training and competence to contribute to some extent to their achievement.

2. Learning results

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

- Have knowledge of the traditional or prefabricated construction systems used in construction and their varieties
- Have the ability to identify the elements and construction systems, define their function and compatibility, and their implementation in the construction process.
- Know how to plan and solve construction details, as well as to conceive, design, define, detail and solve technically and technologically elements, processes and construction systems .
- Be able to apply technical regulations to the building process, and to generate technical specification documents for building procedures and methods

3. Syllabus

THEORETICAL

Unit 1: Covers I

Unit 2: Covers II

Unit 3: Interior partitions

Unit 4: Other partition walls

Unit 5: Continuous coatings I

Unit 6: Continuous coatings II

Unit 7: Continuous coatings III

Unit 8: Coatings: Tiling

Unit 9: Coatings: Cladding

Unit 10: Pavements I

Unit 11: Pavements II

Unit 12: Pavements III

Unit 13: False ceilings

Unit 14: DB Safety in use

Unit 15: Introduction to fire regulations

PRACTICAL

Practice No. 1: Pitched roof design

Practice No. 2: Flat roof design

Practice No. 3: Interior partition design

Practice No. 4: Façade cladding field documentation

Practice No. 5: Documentary search for wall and floor tiles

Practice No. 6: Development of fire and safety regulations on an actual project

4. Academic activities

The program offered to the student to help him/her achieve the expected results comprises the following activities...

It implies the active participation of the students, so that in order to achieve the learning results, the following activities will be developed without going beyond the aforementioned:

Generic face-to-face activities:

- Theoretical classes: The theoretical concepts of the subject will be explained and practical examples will be developed to support the theory when necessary.
- Practical classes: Problems and case studies 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 and assimilation of problems and case studies solved in practical classes.
- Preparation of seminars, resolution of proposed problems, etc.
- Preparation of practices, preparation of the corresponding scripts and reports.
- Preparation of written tests for continuous assessment and final test.

Tutored autonomous activities: Although they will have more of a face-to-face character, has been taken into account due to its idiosyncrasy, they will be mainly focused on seminars and tutorials under the supervision of the teacher.

Reinforcement activities: Of a markedly non face-to-face nature, through a virtual teaching portal (Moodle), will conduct various activities that reinforce the basic contents of the subject. These activities may be customized or not, being controlled through the same.

5. Assessment system

At the beginning of the subject the student will choose one of the following two assessment methodologies:

Overall assessment, with continuous monitoring: characterised by the obligation to carry out and pass the practical tests, and academic work proposed in the subject within the established deadlines, and to take a final written test.

Overall assessment, without continuous monitoring: characterised by not taking or not passing the practical tests or academic work proposed in the subject. In this case, the student, in addition to taking the final written test, must pass a final practical test, to be held on the same day as the test, which will be a compendium of the practices developed during the course and will be carried out on the basis of a proposal set out on a real building.

The deadline and mode of delivery of the practical tests and academic work will be indicated in the delivery of statements.

1.- GLOBAL ASSESSMENT MODE, CONTINUOUS MONITORING

The assessment model will be global with continuous monitoring, and the teacher will evaluate the student's participation in the theoretical classes , the demonstration of the acquired knowledge and the ability to solve problems that the teacher will observe in the practical classes. Likewise, the work/project carried out by the student as a group will be assessed.

Finally, the student must take a final written test on the theoretical contents of the subject.

The following section summarizes the indicative weights of the parts mentioned in the assessment process.

- Participation in theory classes 10%
- Individual and Group practices 40%
- Final Written Test 50%

Each of the parts passed in the course must not be re-assessed during that academic year.

The grade obtained in the practical work, as long as it exceeds the minimum required (4.0), will be maintained exclusively in the two academic year.

Any student who does not pass the minimum requirements of the practical tests or academic work proposed in the subject, will automatically pass to the global assessment model without continuous monitoring

2.- GLOBAL ASSESSMENT MODE WITHOUT CONTINUOUS MONITORING

The student must opt for this mode when, due to his/her personal situation, he/she cannot adapt to the pace of work required in the global assessment mode with continuous monitoring

The student, in addition to the final written test, must pass a final practical test, to be held on the same day as the examination, which will be a compendium of the practices developed during the term and will be based on a proposal statement on a real building.

Throughout the term, the student will be able to vary the assessment system according to the evolution of his personal situation.

The following section summarizes the indicative weights of the parts mentioned in the assessment process.

- Final Practical Test 50%

- Final Written Test 50%

6. Sustainable Development Goals

5 - Gender Equality
9 - Industry, Innovation and Infrastructure
11 - Sustainable Cities and Communities