

## 28627 - Labour Health and Safety

### Syllabus Information

**Academic year:** 2023/24

**Subject:** 28627 - Labour Health and Safety

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

**Degree:** 422 - Bachelor's Degree in Building Engineering

**ECTS:** 6.0

**Year:** 3

**Semester:** First semester

**Subject type:** Compulsory

**Module:**

### 1. General information

The subject and its expected results respond to the following approaches and goals:

Mainly in knowing and mastering the occupational health and safety regulations applicable to construction activities. To this end, it is essential to know how to interpret the regulations in order to know the basic preventive measures to eliminate occupational risks on construction sites.

Once the theoretical concepts are known, the students will be able to write a Health and Safety Study with a minimum of coherence and to be able to follow up within a basic profile.

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: Goals 3, objectives 3.9, 3.d. Goal 4, objectives 4.5, 4.7. Goal 8, objectives 8.8. Goal 12, objective 12.8. Goal 13, objective 13.3

### 2. Learning results

- Knowledge of the preventive regulations applicable to the agents involved in the works and in the works as a whole.
- Differentiation and assessment of the different preventive responsibilities assumed by each of the parties involved in a construction site.
- Identification of the mandatory and recommended preventive documentation for each of the participants.
- Identification of the different occupational hazards that may occur in the different phases of the work.
- Design of appropriate basic preventive measures to eliminate or minimize occupational hazards that may occur.
- Application of basic safety management measures on a construction site.
- Drafting of Health and Safety Studies, Basic Studies and Health and Safety Plans.
- Coordination of safety in the project phase or in the execution phase of the work.

### 3. Syllabus

The theoretical contents of the subject are classified in two main blocks, on the one hand the regulation of security and on the other hand the implementation of security measures.

Part 1. Basic concepts and regulations

1.-Basic Concepts

2.-Royal Decree 486/1997

3.-ROYAL DECREE 1627/1997

Part 2. Minimum safety conditions

4.-Collective Protections

5.-Epis

6.-Signaling

7.-Wellness and hygiene facilities

8.- Actions in case of emergency

### 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 test.

The subject consists of 6 ECTS credits, which represents 150 hours of student work in the subject 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, depending on the subject matter, a greater or lesser amount of practical content will be required. As the theoretical content of the term progresses, the weight in hours of the practical classes increases.

## 5. Assessment system

**Mixed system:** Following the spirit of Bologna, regarding the degree of involvement and continuous work of the student throughout the term, the evaluation of the subject contemplates the continuous assessment system as the most appropriate. In order to be eligible for this evaluation system, the student must attend 80% of the face-to-face 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 both in class and in the moodle forum will contribute with 20% to the final grade of the subject.

2- Proposed work: The students will have to elaborate a Health and Safety Study individually and under a statement and closed index applied to a concrete case of a construction site. The grade for this ESS will be 80% 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 the completion of a global final test and the delivery of the term work:

1- Students must hand in the Health and Safety Study proposed as course work carried out individually and under a closed statement and index applied to a specific case of a construction site before the test.

The grade for this ESS will be 50% of the final grade for the subject.

2- Completion of an additional written exercise consisting of a questionnaire with several questions 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.