

## 28627 - Labour Health and Safety

### Syllabus Information

**Academic Year:** 2019/20

**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

#### 1.1.Aims of the course

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

Mainly in knowing and mastering the regulations on occupational health and safety applicable to construction activities.

For this it is essential to know how to interpret the regulations to know the basic preventive measures to eliminate occupational risks in the works.

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

#### 1.2.Context and importance of this course in the degree

The subject of Occupational Health and Safety is part of the Degree in Technical Architecture taught by EUPLA, framed within the group of subjects that make up the module called Process Management. It is a

subject of third course located in the sixth semester and compulsory (OB), with a teaching load of 6 ECTS credits.

The need for the subject within the curriculum of the present degree is more than justified by the need for any company that develops its activities in a work is required to comply with the preventive regulations. The technicians involved in the management of the building, whatever their productive responsibility, are also responsible and active agents of compliance

### **1.3.Recommendations to take this course**

The development of the Occupational Health and Safety course does not require prior knowledge in preventive matters. In order to apply the knowledge of the subject to the writing of Health and Safety Studies it is advisable to have passed the subjects of Building I, II and III, Work Equipment, Measurements and Budgets, Organization, Programming and Control of Works of the degree. Some of them with chronology parallel to the subject that concerns us.

## **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 achievement of the learning objectives. It is based on participation and the active role of the student favors the development of communication and decision-making skills. A wide range of teaching and learning tasks are implemented, such as lectures, guided assignments, laboratory sessions, autonomous work, and tutorials.

Students are expected to participate actively in the class throughout the semester.

Classroom materials will be available via Moodle. These include a repository of the lecture notes used in class, the course syllabus, as well as other course-specific learning materials.

## 4.2.Learning tasks

This 6 ECTS course is organized as follows:

- **Lectures** (1.5 ECTS): 37.5 hours. the professor will explain the theoretical contents of the course and solve illustrative applied problems. These problems and exercises can be found in the problem set provided at the beginning of the semester. Lectures run for 3 weekly hours. Although it is not a mandatory activity, regular attendance is highly recommended.
- **Guided assignments** (1.5 ECTS): 37.5 hours. Students will complete assignments, problems and exercises related to concepts seen in lectures. They will be submitted at the beginning of every session to be discussed and analyzed. If assignments are submitted later, students will not be able to take the assessment test.
- **Autonomous work and study** (3 ECTS): 75 hours. Students are expected to spend about 75 hours to study theory, solve problems, prepare lab sessions, and take exams.
- **Tutorials.** The professor's office hours will be posted on Moodle and the degree website to assist students with questions and doubts. It is beneficial for the student to come with clear and specific questions.

## 4.3.Syllabus

This course will address the following topics:

### Section 1. Health and Safety Management

- 1. Basic concepts
- 2. Labour risk prevention law (RD 486/1997)
- 3. Construction work law (RD 1627/1997)

### Section 2. Basic safety requirements

- 4. Collective Protection
- 5. Personal protection equipment
- 6. Signalling
- 7. Welfare and sanitation facilities

## 4.4.Course planning and calendar

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 (<http://www.eupla.unizar.es>) and Moodle.

## 4.5.Bibliography and recommended resources