

## 30163 - Health and Safety

### Syllabus Information

**Academic year:** 2023/24

**Subject:** 30163 - Health and Safety

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

**Degree:** 425 - Bachelor's Degree in Industrial Organisational Engineering

**ECTS:** 6.0

**Year:** 4

**Semester:** First semester

**Subject type:** Optional

**Module:**

### 1. General information

The main objective of the subject is to know and know how to interpret the occupational health and safety regulations applicable in different industrial environments in order to ensure the safety and health of workers.

These approaches and objectives 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.

- 3.9 By 2030, substantially reduce the number of deaths and illnesses from hazardous chemicals and air, water and soil pollution.
- 3.d Strengthen the capacity of all countries, particularly developing countries, in the area of early warning, risk reduction and management of national and global health risks
- 8.8 Protect labor rights and promote a safe and secure working environment for all workers, including migrant workers, including migrant workers, in particular migrant women and those in precarious jobs

### 2. Learning results

Manage security, for it:

- Define the preventive regulations applicable in companies.
- Differentiate and value the different preventive responsibilities that are assumed by different agents within companies.
- Identify mandatory and recommended preventive documentation.
- Identify the different basic occupational hazards that may occur and design basic preventive measures to eliminate or minimize the occupational hazards that may occur.
- Have basic knowledge of security management.

### 3. Syllabus

Part 1. Basic Knowledge and Prevention Management

1.-Basic concepts of occupational risk prevention

2.-Law on Occupational Risk Prevention

3.-Prevention Services

4.-Infringements and Penalties

5.- Health and safety management systems.

Part 2. Preventive measures to be adopted for certain occupational hazards

6.-Collective Protections

7.-Epis

8.-Signaling

9. Workplaces

10.-Working Teams

11.-Noise, Vibrations, Electrical Risk, Manual handling of loads

12.-Chemical Agents

13.-Risks of office work, pvds

14.- Emergency and Self-Protection Plans

15.- First Aid

#### **4. Academic activities**

- Lectures: presentation of the content, duration 45 hours
- Exercises: case studies of risk situations, duration 15 hours
- Study and personal work: completion of evaluable work and preparation for exams, duration 84 hours.
- Assessment tests. 6 hours

#### **5. Assessment system**

##### **Continuous Assessment**

- Exercises, assignments and case studies to be solved individually or in groups. These works will have a score of 50% of the grade of the subject.
- Written evaluation test, there will be a theoretical exam that will have a score of 50% of the total evaluation of the subject, being necessary a minimum score of 2 points out of 5 to be able to add the rest of the grades of the subject.

##### **Assessment in Call**

- There will be a theoretical-practical exam that will have a score of 100% of the total grade of the subject, being necessary a minimum score of 5 points out of 10. This exam will have questions related both to the theoretical part of the subject and to the work done throughout the semester.