

## 29994 - Safety and Risk Prevention in Industrial Processes

### Información del Plan Docente

<b>Academic Year</b>	2017/18
<b>Faculty / School</b>	110 - Escuela de Ingeniería y Arquitectura
<b>Degree</b>	436 - Bachelor's Degree in Industrial Engineering Technology 440 - Bachelor's Degree in Electronic and Automatic Engineering 434 - Bachelor's Degree in Mechanical Engineering 558 - Bachelor's Degree in Industrial Design and Product Development Engineering 435 - Bachelor's Degree in Chemical Engineering 438 - Bachelor's Degree in Telecommunications Technology and Services Engineering 470 - Bachelor's Degree in Architecture Studies 476 - 430 - Bachelor's Degree in Electrical Engineering 439 - Bachelor's Degree in Informatics Engineering
<b>ECTS</b>	4.0
<b>Year</b>	---
<b>Semester</b>	Indeterminate
<b>Subject Type</b>	Optional
<b>Module</b>	---

### **1.General information**

#### **1.1.Introduction**

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

#### **1.3.Context and importance of this course in the degree**

#### **1.4.Activities and key dates**

### **2.Learning goals**

#### **2.1.Learning goals**

#### **2.2.Importance of learning goals**

### **3.Aims of the course and competences**

#### **3.1.Aims of the course**

#### **3.2.Competences**

### **4.Assessment (1st and 2nd call)**

#### **4.1.Assessment tasks (description of tasks, marking system and assessment criteria)**

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### 5. Methodology, learning tasks, syllabus and resources

#### 5.1. Methodological overview

The learning process that is designed for this subject is based on the following:

The proposed methodology seeks to foster continued student work, so after each theoretical topic practical exercises will be carried out.

It aims to promote hands-on learning, so that assistance is advised to theoretical and practical sessions.

#### 5.2. Learning tasks

Teaching is developed through lectures, practical exercises and self-assessment and visits to industrial sites classes.

#### 5.3. Syllabus

The program that the student is offered to help you achieve the expected results includes the following activities ...

The syllabus of the course is as follows:

regulatory framework in prevention and its application to industrial facilities.

Basic concepts on safety and health at work.

General risks and prevention.

Specific risks in the different activities of the company.

Fire preventions.

Self-protection plans.

Basic elements of management of risk prevention.

First aid.

#### 5.4. Course planning and calendar

Schedule sessions and presentation of works

4 ECTS credits: 100 hours / student.

The distribution of 40 teaching hours will be through the provision of master class theory, development of technical and problem solving cases, at 4 hours / week.

#### 5.5. Bibliography and recommended resources

[BB: Basic Bibliography / BC: Additional Bibliography]

- [BB] Cebollada Pras, Fernando. Guía técnica de seguridad para el diseño y utilización de máquinas y equipos de trabajo / Fernando Cebollada Pras . - 1a. ed. Madrid : CIE Dossat 2000, 2001
- [BB] Cortés Díaz, José María. Técnicas de prevención de riesgos laborales : seguridad e higiene del trabajo / José María Cortés Díaz . - 9ª ed. Madrid : Tébar, 2007
- [BB] Manual de higiene industrial / [autores, Miguel Ángel Alba Hidalgo ... (et al.)] . - 2ª ed. Madrid : Fundación Mapfre, D.L. 2015
- [BB] Manual de seguridad en el trabajo / Fundación Mapfre Madrid : Mapfre, D.L. 1992
- [BB] Manual sobre seguridad de las máquinas / AENOR [Madrid] : AENOR, D.L. 1995
- [BB] Poza, José María de la. Seguridad e higiene profesional : con las normas comunitarias europeas y norteamericanas / José Ma. de la Poza . - 2a. ed Madrid : Paraninfo, 1996
- [BB] Storch de Gracia y Asensio, José María. Manual de seguridad industrial en plantas químicas y petroleras :



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fundamentos, evaluación de riesgos y diseño / J. M. Storch de Gracia Madrid [etc.] : McGraw Hill, D.L. 1998