Universidad Zaragoza

Year : 2019/20

29994 - Safety and Risk Prevention in Industrial Processes

Syllabus Information

Academic Year: 2019/20
Subject: 29994 - Safety and Risk Prevention in Industrial Processes
Faculty / School: 110 - Escuela de Ingeniería y Arquitectura
Degree: 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 Telecomunications Technology and Services Engineering
470 - Bachelor's Degree in Architecture Studies
476 -
430 - Bachelor's Degree in Electrical Engineering
581 - Bachelor's Degree in Telecomunications Technology and Services Engineering
439 - Bachelor's Degree in Informatics Engineering
ECTS: 4.0
Year: ---
Semester: 430 - Second semester
434 - Second semester
435 - Second semester
436 - Second semester
436 - Second semester
436 - Second semester
436 - Second semester
436 - Second semester
438 - Second semester
438 - Second semester
438 - Second semester
438 - Second semester
439 - Second semester
439 - Second semester
439 - Second semester
439 - Second semester
439 - Second semester
439 - Second semester
439 - Second semester
439 - Second semester
439 - Second semester
439 - Second semester
440 - Second semester
470 - Second semester
470 - Second semester
476 - Second semester
558 - Second semester
581 - Second semester
Subject Type: Optional
Module: ---

1.General information

1.1.Aims of the course

1.2.Context and importance of this course in the degree

1.3.Recommendations to take this course

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 the achievement of the learning objectives. A wide range of teaching and learning tasks are implemented, such as lectures, practice sessions, self-assessment, and visits.

The proposed methodology seeks to foster continued student work, so after each theoretical topic, practical exercises will be done. This course aims to promote practical learning, so lectures and practice sessions assistance is highly recommended.

4.2.Learning tasks

This course includes the following learning tasks:

- **Lectures**.
- **Practice sessions**. Technical cases and problem-solving.
- **Self-assessment**.
- **Visits**. Visits to industrial facilities.

4.3.Syllabus

The course will address the following topics:

- The regulatory framework in the prevention and its application to industrial facilities.
- Basic concepts of 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.

4.4.Course planning and calendar

Schedule of sessions and assignments deadlines

4 ECTS credits: 100 hours / student. These 100 hours involve 40 teaching hours which will be shared between lectures, and practice sessions, which means 4 hours of on-site sessions per week.

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 College of Higher Engineering and Architecture (EINA) website (https://eina.unizar.es/) and Moodle.

4.5.Bibliography and recommended resources