

Academic Year/course: 2021/22

27225 - Introduction to Management Systems

Syllabus Information

Academic Year: 2021/22

Subject: 27225 - Introducción a los sistemas de gestión

Faculty / School: 100 - Facultad de Ciencias

Degree: 452 - Degree in Chemistry

ECTS: 3.0

Year: 2

Semester: Second semester

Subject Type: Optional

Module:

1. General information

2. Learning goals

3. Assessment (1st and 2nd call)

3.1. Assessment tasks (description of tasks, marking system and assessment criteria)

Assessment details

1: Continuous assessment

1. Resolution of practical cases.
 2. Testing of theory and practice throughout the semester.
 3. Resolution of questions proposed by the teacher of the subject.
- 60% theoretical and practical tests; 40% practical cases.

2: Global assessment

60 test questions with four answers and only a valid. The approval requires 70% either answered (One right answer for every four incorrect is discounted).

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, practical sessions, tutorials and seminars and autonomous work.

The practices, class work and proposed work have been designed to develop a real practical case as a whole, which will allow the student to know the quality, environment and occupational risk management procedure in a real company.

4.2. Learning tasks

This course includes the following learning tasks:

- 1) MASTER CLASSES. Introduction of basic content on the management systems and performance of practical activities and tasks.
- 2) PRACTICAL CLASSES. Individualized work on the resolution of practical cases (5 practicals of 2 hours each).

4.3. Syllabus

Lectures:

- 1. Introduction.
- 2. Documentation and implementation of management systems.
- 3. Quality management. ISO 9001.
- 4. Environmental management. ISO 14001.
- 5. Management of occupational health and safety. ISO 45001.
- 6. Laboratory management. ISO 17025.
- 7. R + D + i management. UNE 166002
- 8. Integrated management.

Practices:

- 1. Standard operating procedure
- 2. Design of statistical experiments
- 3. Waste management
- 4. Modal analysis of failures and effects
- 5. Occupational risk management

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 Sciences website (<https://ciencias.unizar.es>) and Moodle.

4.5. Bibliography and recommended resources

http://biblos.unizar.es/br/br_citas.php?codigo=27225&year=2021