Universidad Zaragoza

Academic Year/course: 2023/24

30168 - Standardization and Legislation Projects

Syllabus Information

Academic year: 2023/24
Subject: 30168 - Standardization and Legislation Projects
Faculty / School: 175 - Escuela Universitaria Politécnica de La Almunia
Degree: 425 - Bachelor's Degree in Industrial Organisational Engineering
ECTS: 6.0
Year: 4
Semester: Second semester
Subject type: Optional
Module:

1. General information

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

- To initiate the future Engineer in the realization of Projects, mainly Industrial and to provide the student with knowledge of current legislation.
- Knowledge of current regulations.
- Search, interpretation and classification of documentation obtained from different sources.
- Develop, plan and manage technical projects.
- Motivation and self-learning capacity.
- Drawing and interpretating plans and diagrams according to the appropriate standards and symbology.
- Apply regulations in the field of Industrial Safety, Industrial Quality and PRL.
- To develop critical capacity and ethical responsibility in professional activities.
- Present in a coherent way, orally and in writing, the work done.

Alignment with the SDGs:

These approaches and objectives are aligned with the Sustainable Development Goals (SDGs) of the 2030 Agenda of United Nations (https://www.un.org/sustainabledevelopment/es/). The subject provides training and competence in these objectives:

- Goal 4: Quality education (M 4.3, M4.4 and M4.7)
- Goal 7: Affordable and non-polluting energy (M 7.2)
- Goal 8: Decent work and economic growth (M 8.2)
- Goal 9: Industry, innovation and infrastructure (M 9.4)

2. Learning results

To pass this subject, the student will be able to:

- Understanding of concepts related to the areas of knowledge of the degree.
- Develop, plan and manage technical projects.
- Understand, order and transmit information obtained from different sources.
- To present coherently, orally and in writing, the work done.
- Motivation and self-learning capacity.
- Knowledge of current regulations.
- Drawing and interpretating plans and diagrams according to the appropriate standards and symbology.
- Manage the necessary computer tools for the design, elaboration and development of projects.

3. Syllabus

"If this teaching could not be carried out in person due to health reasons, it *would be carried out telematically."* Standardization

- Graphical representation"
- Standardized parts
- Dimensioning, Tolerances and Surface Finishes
- Plans, boxes and scales
- Sketch
- Regulatory consultation

Project / Technical Report

- Content
    - Minimum documentation
    - Other documents
- Application
- Types of projects and reports

Relations with the public administration

- Licenses
- Industrial registrations
- Supply companies

Industrial Safety

- CE Marking
- RD 1215 Royal Decree 1215/1997, of July 18, 1997, which establishes the minimum health and safety provisions for the use of work equipment by workers.
- Vehicle refurbishment

Legislation in force

- Laws, Royal Decrees, Decrees.
- Directives and regulations.

Budgets

4. Academic activities

Theoretical classes (2h/week): The theoretical concepts of the subject will be explained.

Classroom practice/seminars/workshops (2h/week): Practical examples will be explained by the teacher, where concepts and procedures will be applied, as well as the use of computer tools..

Tutored practical work-Tutorials (5h/week): Individual and group practices, carried out by the students and supervised by the teacher. (Dedication of the students to the subject)

Work and personal study (1h/week): Individual dedication to assimilate learning. (Dedication of students to the subject)

5. Assessment system

Continuous Assessment

- **Participation.**
    - Classroom attendance > 75%.
    - Attendance at visits and talks > 90%.
- **Individual work (50%)**
    - Each paper will count equally for 50% of the total
    - Defense to be agreed with the teacher
- **Group work (50%)**
    - Each paper will count equally for 50% of the total
    - Defense to be agreed with the teacher

Submission of work

-One week before convocation.

Final Assessment (Call)

When the student is unable to adapt to continuous assessment.

The papers must be submitted 10 days prior to the date of the call for papers, and the date of the defense will be agreed upon.

-Individual theoretical assessment test (100%).

-Students must pass a theoretical and/or practical test of the entire subject.