

29753 - Industrial building

Información del Plan Docente

Academic Year	2016/17
Academic center	110 - Escuela de Ingeniería y Arquitectura
Degree	434 - Bachelor's Degree in Mechanical Engineering
ECTS	6.0
Course	4
Period	First semester
Subject Type	Optional
Module	---

1. Basic info

1.1. Recommendations to take this course

1.2. Activities and key dates for the course

2. Initiation

2.1. Learning outcomes that define the subject

2.2. Introduction

3. Context and competences

3.1. Goals

3.2. Context and meaning of the subject in the degree

3.3. Competences

3.4. Importance of learning outcomes

4. Evaluation

5. Activities and resources

5.1. General methodological presentation

5.2. Learning activities

5.3. Program

1. Description of industrial architecture and its historical evolution.
2. Description of the main characteristics of various types of industrial buildings and their auxiliary spaces in relation to the type of manufacturing.
3. Development of plant layouts based on need programs. Description of fire protection regulations to be considered in industrial buildings.

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4. Description, requirements and operation conditions of structural types for industrial buildings and their adaptation to the manufacturing process.
5. Description of the selection criteria and main characteristics and properties associated with materials used for the construction of industrial buildings.
6. Introduction to the most representative construction technologies used in industrial buildings.

5.4.Planning and scheduling

5.5.Bibliography and recommended resources