

29738 - Construction Technology

Información del Plan Docente

Academic Year	2017/18
Faculty / School	110 - Escuela de Ingeniería y Arquitectura
Degree	434 - Bachelor's Degree in Mechanical Engineering
ECTS	6.0
Year	4
Semester	Second semester
Subject Type	Optional
Module	---

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)

5.Methodology, learning tasks, syllabus and resources

5.1.Methodological overview

5.2.Learning tasks

5.3.Syllabus

1. Introduction to construction technology and the differences between traditional and industrial construction.
2. Study and description of the machinery used in the construction, analysing its characteristics and selection criteria for each type of work.



29738 - Construction Technology

3. Description of the works . Description and operation of land works. Description, requirements, operation and construction of the foundations.
4. Description, requirements, operation and construction of both vertical and horizontal structural systems which transmit loads in a building.
5. Description, requirements, operation and construction of building envelope systems, as well as the selection criteria for each building type.
6. Description of distribution systems and finishing.
7. Study of safety and risk prevention in construction.

5.4.Course planning and calendar

5.5.Bibliography and recommended resources