

29738 - Construction Technology

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	Second 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. 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.
3. Description of the works . Description and operation of land works. Description, requirements, operation and construction of the foundations.

29738 - Construction Technology

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.Planning and scheduling

5.5.Bibliography and recommended resources