

29737 - Fluid Facility Design

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. Multiphase flow. Transport and separation of particles.
2. Flow, temperature, pressure and level instrumentation.
3. Piping engineering. Materials. Fittings. MTO. Codes.
4. 2D and 3D drawing.
5. Piping design.

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6. Pipe stress and flexibility analysis.
7. Inspections. Tests. Installation and Commissioning.

5.4.Planning and scheduling

5.5.Bibliography and recomended resources