

29620 - Manufacturing Technology

Información del Plan Docente

Academic Year	2016/17
Academic center	110 - Escuela de Ingeniería y Arquitectura
Degree	430 - Bachelor's Degree in Electrical Engineering
ECTS	6.0
Course	3
Period	First semester
Subject Type	Compulsory
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

The learning process that is designed for this subject is based on the following:

The face teaching process will involve three main levels : lectures, problems and , laboratory , with increasing level of student participation.

In sessions with the whole group the more theoretical aspects are addressed in the form of master class and are completed with the study of technical problems and cases. The practical sessions take place in smaller groups to work with specialized applications and equipment manufacturing workshop .

This process should be complemented by the non-contact work by the student through previous readings , the theoretical

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study of matter and problem solving .

5.2.Learning activities

5.3.Program

Block 1. Introduction to manufacturing processes. Definitions and classification .

Block 2. Processes and manufacturing technologies :

- Processes for preforming .
- Deformation processes .
- Material removal processes .
- Joining and assembly processes .

Block 3. Manufacturing Systems : characterization and strategies.

Block 4. Metrology and industrial quality.

5.4.Planning and scheduling

5.5.Bibliography and recomended resources

Bibliography can be found in <http://psfunizar7.unizar.es/br13/eGrados.php?id=220>