DIM-IND-343 Manufacturing Technologies

SEMESTER: Spring
CREDITS: 4,5 ECTS (3 hrs. per week: 3 Theory)
LANGUAGE: Spanish
DEGREES: IEM

Course overview
This course provides students ability to implement systems and manufacturing processes, metrology and quality control of industrial equipment about mechanical specialty.

Prerequisites
There are no formal prerequisites to prevent this course. However is recommended concepts about mechanical drawing and tolerances.

Course contents
Theory:
3. Principles of transformation processes III. Conformation of parts by welding processes

Laboratory:
This course hasn’t labs sessions. The sessions of this course are performed in the next course “Integrated Design and Manufacturing”. This subject is located in the next academic year, 4th.
Textbook

- Mariano Jiménez Calzado. APUNTES ICAI DE INGENIERÍA DE FABRICACIÓN. Fichas técnicas de procesos industriales.

Grading

The following conditions must be accomplished to pass the course:

- A minimum overall grade of at least 5 over 10.

The overall grade is obtained as follows:

- Final exam 70%.
- Other exams 10%. Typically there is 1 mid-term exam (2-hour long) and 2 additional short exams (1-hour long). They are weighted according to their duration.
- Homework 20%. Team work technical reports.