

## Asignatura 75004 TECHNICAL PROJECTS DEVELOPMENT AND MANUFACTURING ENGINEERING

### Tipo de asignatura (básica, obligatoria u optativa)

Optative.

### Créditos ECTS

6.

### Competencias que contribuye a desarrollar

- CG2 Capability: organization and planning of work and time.
- CG3 Capability: oral presentation.
- CG4 Capability: rigorous writing.
- CG6 Capability: problems solution.
- CG7 Capability: critical reasonability/logical analysis.
- CG8 Capability: applying knowledge to practical work.
- CG10 Capability: design and developing of Projects.
- CG11 Capability: creativity and innovation.
- CG13 Capability: doing ethically and with social compromise.
- CG15 Capability: managing with technical requirements and writing technical documents.

### Objetivos/Resultados de aprendizaje

- Elaborate a small Project for the presentation of a new product that responses to a need or problem that society has got.
- For this:
  - Investigate about the field and market that the new product belongs to.
  - Look for the needs and problems that exist nowadays.
  - Propose an innovative solution specified as a product.
  - Present the scheme, functionalities, characteristics, materials, design, costs, security and commercialization of the product.
  - CE mark for the product.

### Contenidos

- Product technical projects.
- Functions and utilities.
- Resources.
- Documents.
- Costs.
- Market and commerce.
- CE mark.

### Principios Metodológicos/Métodos Docentes

- Master class (teacher)
- Discussion of ideas
- Individual and group work
- Presentation of results

## Crterios y sistemas de evaluaci3n

### EVALUATION PROCEDURES

#### WEIGHT OVER FINAL MARK

#### EXPLANATION

Final work document\*

70%

\*along the course there are several activities presented and evaluated

Final work presentation

30%

## Recursos de aprendizaje y apoyo tutorial

Online valid technical sources.

## Calendario y horario

The timetable is not close yet.

Probably, 2 hours on wednesdays (in class), and 2 hours on thursdays (in the laboratory).

## Tabla de Dedicaci3n del Estudiante a la Asignatura/Plan de Trabajo

#### ACTIVITIES IN CLASS

#### NUMBER OF HOURS

#### ACTIVITIES OUT OF CLASS

#### NUMBER OF HOURS

Theoretical classes

30

Researching activities

10

Practical classes

30

Documents analysis

20

Final Project presentation

2

Design and developing process

20

Technical documents writing

30

Presentation work

8

Total presencial

62

Total no presencial

Responsable de la docencia (recomendable que se incluya información de contacto y breve CV en el que aparezcan sus líneas de investigación y alguna publicación relevante)

Teacher: María Isabel Jiménez Gómez.  
e-mail: [mariaisabel.jimenez@egi.uva.es](mailto:mariaisabel.jimenez@egi.uva.es)  
profile: technical projects and manufacturing process and resources.

Idioma en que se imparte

English.

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