

## Course guide

### 320180 - IPM - Industrialization of Mechanical Projects

Last modified: 02/04/2024

**Unit in charge:** Terrassa School of Industrial, Aerospace and Audiovisual Engineering  
**Teaching unit:** 712 - EM - Department of Mechanical Engineering.

**Degree:** BACHELOR'S DEGREE IN MECHANICAL ENGINEERING (Syllabus 2009). (Optional subject).

**Academic year:** 2024    **ECTS Credits:** 6.0    **Languages:** Catalan

#### LECTURER

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**Coordinating lecturer:** JORGE SANS GARCIA

**Others:**

#### DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

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**Specific:**

1. IND\_COMMON: Basic understanding of industrial production systems.
2. MEC: Applied Knowledge in systems and fabrications processes, metrology and quality control.

**Transversal:**

3. ENTREPRENEURSHIP AND INNOVATION - Level 3. Using knowledge and strategic skills to set up and manage projects. Applying systemic solutions to complex problems. Devising and managing innovation in organizations.
4. TEAMWORK - Level 3. Managing and making work groups effective. Resolving possible conflicts, valuing working with others, assessing the effectiveness of a team and presenting the final results.
5. SELF-DIRECTED LEARNING - Level 3. Applying the knowledge gained in completing a task according to its relevance and importance. Deciding how to carry out a task, the amount of time to be devoted to it and the most suitable information sources.

#### TEACHING METHODOLOGY

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#### LEARNING OBJECTIVES OF THE SUBJECT

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#### STUDY LOAD

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Type	Hours	Percentage
Hours small group	30,0	20.00
Self study	90,0	60.00
Hours large group	30,0	20.00

**Total learning time:** 150 h



## CONTENTS

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### (ENG) Tema 1: Producte

**Full-or-part-time:** 22h

Theory classes: 4h

Practical classes: 4h

Self study : 14h

### (ENG) Tema 2: Coneixement i selecció d'elements comercials

**Full-or-part-time:** 22h

Theory classes: 4h

Practical classes: 4h

Self study : 14h

### (ENG) Tema 3: Caracterització de projectes mecànics

**Full-or-part-time:** 44h

Theory classes: 8h

Practical classes: 10h

Self study : 26h

### (ENG) Tema 4: Documentació

**Full-or-part-time:** 37h

Theory classes: 7h

Practical classes: 8h

Self study : 22h

### (ENG) Tema 5: Gestió del projecte

**Full-or-part-time:** 21h

Theory classes: 3h

Practical classes: 4h

Self study : 14h

## ACTIVITIES

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### (ENG) TD1

**Full-or-part-time:** 120h

Self study: 90h

Practical classes: 30h



#### (ENG) PROVA PARCIAL

**Full-or-part-time:** 2h

Theory classes: 2h

#### (ENG) EXAMEN FINAL

**Full-or-part-time:** 2h

Theory classes: 2h

### GRADING SYSTEM

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test 1, 25%

test 2, 25%

test 3, 25%

test 4, 25%