



Course guides

320180 - IPM - Industrialization of Mechanical Projects

Last modified: 29/05/2020

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: 2020 **ECTS Credits:** 6.0 **Languages:** Catalan

LECTURER

Coordinating lecturer: Rafel Sitjar

Others: Rafel Sitjar i Jordi Sans

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

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

LEARNING OBJECTIVES OF THE SUBJECT

STUDY LOAD

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

Total learning time: 150 h



CONTENTS

(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

(ENG) TD1

Full-or-part-time: 120h

Practical classes: 30h

Self study: 90h



(ENG) PROVA PARCIAL

Full-or-part-time: 2h
Theory classes: 2h

(ENG) EXAMEN FINAL

Full-or-part-time: 2h
Theory classes: 2h

GRADING SYSTEM

test 1, 25%
test 2, 25%
test 3, 25%
test 4, 25%