Course guides
320180 - IPM - Industrialization of Mechanical Projects

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:
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

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self study</td>
<td>90,0</td>
<td>60.00</td>
</tr>
<tr>
<td>Hours large group</td>
<td>30,0</td>
<td>20.00</td>
</tr>
<tr>
<td>Hours small group</td>
<td>30,0</td>
<td>20.00</td>
</tr>
</tbody>
</table>

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%