Course guide
295704 - TEMA - Materials Technology

Unit in charge: Barcelona East School of Engineering
Teaching unit: 702 - CEM - Department of Materials Science and Engineering.
Degree: BACHELOR'S DEGREE IN MATERIALS ENGINEERING (Syllabus 2010). (Compulsory subject).
Academic year: 2023  ECTS Credits: 6.0  Languages: Catalan, Spanish

LECTURER

Coordinating lecturer: MIGUEL MORALES COMAS
Others:
Segon quadrimestre:
JONATHAN CAILLOUX - M11, M12
VIOLETA DEL VALLE GARCÍA MASABET - M11, M12
DANIEL GAUDE FUGAROLAS - M11, M12
MARÍA LLUÍSA MASPOCH RULDUA - M11, M12
MIGUEL MORALES COMAS - M11, M12
ORLANDO ONOFRE SANTANA PEREZ - M11, M12

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>45,0</td>
<td>30.00</td>
</tr>
<tr>
<td>Hours small group</td>
<td>15,0</td>
<td>10.00</td>
</tr>
</tbody>
</table>

Total learning time: 150 h

CONTENTS

- Introduction
  Description:
  content english
  Full-or-part-time: 1h
  Theory classes: 1h
<table>
<thead>
<tr>
<th>Title</th>
<th>Description</th>
<th>Full-or-part-time</th>
<th>Theory classes</th>
<th>Practical classes</th>
<th>Self study</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plastic deformation forming</td>
<td>content english</td>
<td>38h 50m</td>
<td>13h 30m</td>
<td>2h</td>
<td>23h 20m</td>
</tr>
<tr>
<td>Powder metallurgy</td>
<td>content english</td>
<td>12h 30m</td>
<td>3h</td>
<td>2h</td>
<td>7h 30m</td>
</tr>
<tr>
<td>Postprocessing operations</td>
<td>Heat treatments. Assembly technologies. Machining.</td>
<td>15h</td>
<td>6h</td>
<td></td>
<td>9h</td>
</tr>
</tbody>
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**GRADING SYSTEM**