Course guides 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: 2021 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 RULDOA - 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>Hours small group</td>
<td>15,0</td>
<td>10.00</td>
</tr>
<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>
</tbody>
</table>

Total learning time: 150 h

CONTENTS

Introduction
Description: content english
Full-or-part-time: 1h
Theory classes: 1h
Plastic deformation forming

Description: content english

Full-or-part-time: 16h 10m
Theory classes: 4h 30m
Laboratory classes: 2h
Self study : 9h 40m

Powder metallurgy

Description: content english

Full-or-part-time: 38h 50m
Theory classes: 13h 30m
Practical classes: 2h
Self study : 23h 20m

Postprocessing operations

Description: Heat treatments. Assembly technologies. Machining.

Full-or-part-time: 15h
Theory classes: 6h
Self study : 9h

GRADING SYSTEM