

# Course guide 295704 - TEMA - Materials Technolgy

**Last modified:** 27/05/2024

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: 2024 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 MARIA LLUÏSA MASPOCH RULDUA - M11, M12

MIGUEL MORALES COMAS - M11, M12

ORLANDO ONOFRE SANTANA PEREZ - M11, M12

# **TEACHING METHODOLOGY**

### **LEARNING OBJECTIVES OF THE SUBJECT**

STUDY LOAD

Туре	Hours	Percentage
Hours large group	50,0	33.33
Self study	90,0	60.00
Hours small group	10,0	6.67

Total learning time: 150 h

## **CONTENTS**

#### Introduction

**Description:** content english

Full-or-part-time: 1h
Theory classes: 1h

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#### title english

**Description:** content english

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

## **Plastic deformation forming**

**Description:** content english

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

## **Powder metallurgy**

**Description:** content english

Full-or-part-time: 12h 30m

Theory classes: 3h Practical classes: 2h Self study: 7h 30m

#### **Postprocessing operations**

Description:

Heat treatments. Assembly technologies. Machining.

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

## **GRADING SYSTEM**

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