



Course guides 295704 - TEMA - Materials Technology

Last modified: 04/06/2021

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
MARIA LLUÏSA MASPOCH RULDUÀ - M11, M12
MIGUEL MORALES COMAS - M11, M12
ORLANDO ONOFRE SANTANA PEREZ - M11, M12

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

STUDY LOAD

Type	Hours	Percentage
Hours small group	15,0	10.00
Self study	90,0	60.00
Hours large group	45,0	30.00

Total learning time: 150 h

CONTENTS

Introduction

Description:
content english

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



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
