



## Course guide

# 295916 - EPE - Professional Tools for Engineering

Last modified: 29/01/2026

<b>Unit in charge:</b>	Barcelona East School of Engineering
<b>Teaching unit:</b>	702 - CEM - Department of Materials Science and Engineering. 737 - RMEE - Department of Strength of Materials and Structural Engineering.
<b>Degree:</b>	BACHELOR'S DEGREE IN BIOMEDICAL ENGINEERING (Syllabus 2009). (Optional subject). BACHELOR'S DEGREE IN CHEMICAL ENGINEERING (Syllabus 2009). (Optional subject). BACHELOR'S DEGREE IN ELECTRICAL ENGINEERING (Syllabus 2009). (Optional subject). BACHELOR'S DEGREE IN ENERGY ENGINEERING (Syllabus 2009). (Optional subject). BACHELOR'S DEGREE IN INDUSTRIAL ELECTRONICS AND AUTOMATIC CONTROL ENGINEERING (Syllabus 2009). (Optional subject). BACHELOR'S DEGREE IN MECHANICAL ENGINEERING (Syllabus 2009). (Optional subject). BACHELOR'S DEGREE IN MATERIALS ENGINEERING (Syllabus 2010). (Optional subject).
<b>Academic year:</b>	2025
<b>ECTS Credits:</b>	6.0
<b>Languages:</b>	Catalan, Spanish

## LECTURER

**Coordinating lecturer:** Jordi Llumà i Sebastián Tornil

**Others:** Jordi Llumà i Sebastián Tornil

## TEACHING METHODOLOGY

## LEARNING OBJECTIVES OF THE SUBJECT

prepare students for the professional practice of engineering through practical workshops taught by companies and entities in the sector.

## STUDY LOAD

Type	Hours	Percentage
Hours large group	30,0	16.95
Hours small group	12,0	6.78
Guided activities	15,0	8.47
Self study	120,0	67.80

**Total learning time:** 177 h

## CONTENTS

### Workshop 1. Ideation Engineering

#### Description:

content english

#### Full-or-part-time:

2h

Theory classes: 2h



**title english**

**Description:**

content english

**Full-or-part-time:** 2h

Theory classes: 2h

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Theory classes: 2h

**title english**

**Description:**

content english

**Full-or-part-time:** 32h

Theory classes: 32h

**title english**

**Description:**

content english

**Full-or-part-time:** 32h

Theory classes: 32h

**GRADING SYSTEM**