

## 295908 - FABAD2 - Additive Manufacturing 2

Coordinating unit:	295 - EEBE - Barcelona East School of Engineering
Teaching unit:	712 - EM - Department of Mechanical Engineering
Academic year:	2019
Degree:	BACHELOR'S DEGREE IN BIOMEDICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional) BACHELOR'S DEGREE IN INDUSTRIAL ELECTRONICS AND AUTOMATIC CONTROL ENGINEERING (Syllabus 2009). (Teaching unit Optional) BACHELOR'S DEGREE IN ELECTRICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional) BACHELOR'S DEGREE IN ENERGY ENGINEERING (Syllabus 2009). (Teaching unit Optional) BACHELOR'S DEGREE IN MECHANICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional) BACHELOR'S DEGREE IN MATERIALS ENGINEERING (Syllabus 2010). (Teaching unit Optional) BACHELOR'S DEGREE IN CHEMICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional)
ECTS credits:	3
Teaching languages:	Spanish

### Teaching staff

Coordinator:	Travieso Rodriguez, Jose Antonio
Others:	Travieso Rodriguez, Jose Antonio

### Opening hours

Timetable:	Tuesday 10:00-12:00
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### Prior skills

Drawing 3D pieces

### Requirements

DRAWING

### Teaching methodology

Theory lessons and team work session based on a project

### Learning objectives of the subject

The subject aims that the student:

1. Have the ability to select and design the process manufacturing parts by additive manufacturing.
2. Apply and integrate the knowledge to develop the project of manufacturing a mechanical assembly, using CAD-CAM-CAE techniques and additive manufacturing.
3. Be able to control the quality of the manufactured parts.

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### Content

<p>Additive manufacturing main principles</p>	<p>Learning time: 3h Theory classes: 2h Practical classes: 1h</p>
<p>Description: content english</p>	
<p>Project developement</p>	<p>Learning time: 3h 20m Guided activities: 3h 20m</p>
<p>Description: content english</p>	

### Qualification system

Based on the project mark, will be given a number of points to be distributed among team members  
This subject does not have re-evaluation test

### Regulations for carrying out activities

Oral presentation about project results

### Bibliography