340213 - APEL-L7P10 - Electronic Applications

Coordinating unit: 340 - EPSEVG - Vilanova i la Geltrú School of Engineering
Teaching unit: 710 - EEL - Department of Electronic Engineering
Academic year: 2017
Degree: BACHELOR'S DEGREE IN MECHANICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional)
BACHELOR'S DEGREE IN INDUSTRIAL DESIGN AND PRODUCT DEVELOPMENT ENGINEERING
(Syllabus 2009). (Teaching unit Optional)
ECTS credits: 6
Teaching languages: Catalan

Teaching staff

Coordinator: Jordi Prat Tasias

Teaching methodology

Please, see Spanish or Catalan version.

Learning objectives of the subject

Please, see Spanish or Catalan version

Study load

<table>
<thead>
<tr>
<th>Total learning time: 150h</th>
<th>Hours large group: 45h</th>
<th>30.00%</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Hours medium group: 0h</td>
<td>0.00%</td>
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<tr>
<td></td>
<td>Hours small group: 15h</td>
<td>10.00%</td>
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<tr>
<td></td>
<td>Guided activities: 0h</td>
<td>0.00%</td>
</tr>
<tr>
<td></td>
<td>Self study: 90h</td>
<td>60.00%</td>
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</tbody>
</table>
# Content

## Introduction. Electronic projects.

**Learning time:** 9h  
Theory classes: 4h  
Self study: 5h  

**Description:** content english

## Presentation and discussion of the projects

**Learning time:** 26h  
Theory classes: 6h  
Self study: 20h

**Description:** content english

## Finding basic information

**Learning time:** 24h  
Theory classes: 4h  
Self study: 20h

**Description:** content english

## Theoretical solution of design

**Learning time:** 28h  
Theory classes: 8h  
Self study: 20h

**Description:** content english

## Construction of a prototype

**Learning time:** 32h  
Theory classes: 12h  
Self study: 20h

**Description:** content english
Implementation of the prototype and getting results

Description:
content english

Learning time: 31h
Theory classes: 11h
Self study: 20h

Qualification system

Please, see Spanish or Catalan version.

Bibliography

Basic: