Course guide
320158 - SEL - Electronic Systems

Unit in charge: Terrassa School of Industrial, Aerospace and Audiovisual Engineering
Teaching unit: 710 - EEL - Department of Electronic Engineering.
Degree: BACHELOR’S DEGREE IN INDUSTRIAL DESIGN AND PRODUCT DEVELOPMENT ENGINEERING (Syllabus 2010). (Compulsory subject).

Academic year: 2022  ECTS Credits: 6.0  Languages: Catalan

LECTURER

Coordinating lecturer: Joan Salaet

Others:

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:
1. IND_COMMON: Basic electronic knowledge

Transversal:
2. SELF-DIRECTED LEARNING - Level 1. Completing set tasks within established deadlines. Working with recommended information sources according to the guidelines set by lecturers.
3. EFFECTIVE USE OF INFORMATION RESOURCES - Level 1. Identifying information needs. Using collections, premises and services that are available for designing and executing simple searches that are suited to the topic.

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hours small group</td>
<td>15,0</td>
<td>10.00</td>
</tr>
<tr>
<td>Hours medium group</td>
<td>15,0</td>
<td>10.00</td>
</tr>
<tr>
<td>Self study</td>
<td>90,0</td>
<td>60.00</td>
</tr>
<tr>
<td>Hours large group</td>
<td>30,0</td>
<td>20.00</td>
</tr>
</tbody>
</table>

Total learning time: 150 h
# CONTENTS

## TOPIC 0: INTRODUCTION TO THE SUBJECT

### Description:

### Related activities:

- AV0

### Full-or-part-time: 1h

- Theory classes: 1h

### Description:

### Full-or-part-time: 25h

- Theory classes: 5h
- Practical classes: 3h
- Laboratory classes: 2h
- Self study : 15h

### Description:

### Full-or-part-time: 15h 10m

- Theory classes: 4h
- Practical classes: 2h
- Self study : 9h 10m

### Description:

### Specific objectives:

### Related activities:

### Full-or-part-time: 27h 40m

- Theory classes: 5h
- Practical classes: 2h
- Laboratory classes: 4h
- Self study : 16h 40m

### Description:

### Specific objectives:

### Related activities:

### Full-or-part-time: 25h

- Theory classes: 5h
- Practical classes: 3h
- Laboratory classes: 2h
- Self study : 15h
Description:

Specific objectives:

Related activities:

**Full-or-part-time:** 25h
- Theory classes: 5h
- Practical classes: 2h
- Laboratory classes: 3h
- Self study: 15h

**Full-or-part-time:** 31h 10m
- Theory classes: 5h
- Practical classes: 3h
- Laboratory classes: 4h
- Self study: 19h 10m

**GRADING SYSTEM**

**BIBLIOGRAPHY**

**Basic:**

**Complementary:**