Course guides

230301 - PSPICE - Circuit Simulation and Analysis Using PSpice

Unit in charge: Barcelona School of Telecommunications Engineering
Teaching unit: 710 - EEL - Department of Electronic Engineering.

Degree:
- BACHELOR’S DEGREE IN AUDIOVISUAL SYSTEMS ENGINEERING (Syllabus 2009). (Optional subject).
- BACHELOR’S DEGREE IN ELECTRONIC SYSTEMS ENGINEERING (Syllabus 2009). (Optional subject).
- BACHELOR’S DEGREE IN NETWORK ENGINEERING (Syllabus 2010). (Optional subject).
- BACHELOR’S DEGREE IN TELECOMMUNICATIONS SCIENCE AND TECHNOLOGY (Syllabus 2010). (Optional subject).
- BACHELOR’S DEGREE IN TELECOMMUNICATIONS SYSTEMS ENGINEERING (Syllabus 2010). (Optional subject).
- BACHELOR’S DEGREE IN TELECOMMUNICATIONS TECHNOLOGIES AND SERVICES ENGINEERING (Syllabus 2015). (Optional subject).
- BACHELOR’S DEGREE IN ELECTRONIC ENGINEERING AND TELECOMMUNICATION (Syllabus 2018). (Optional subject).

Academic year: 2021  ECTS Credits: 2.0  Languages: Catalan, Spanish

LECTURER

Coordinating lecturer: Chavez Dominguez, Juan Antonio
Others: Silvestre Berges, Santiago
Turo Peroy, Antonio
Chavez Dominguez, Juan Antonio

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

ENG

STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hours small group</td>
<td>20,0</td>
<td>40.00</td>
</tr>
<tr>
<td>Self study</td>
<td>30,0</td>
<td>60.00</td>
</tr>
</tbody>
</table>

Total learning time: 50 h

CONTENTS

[ENG]1. Conceptes generals sobre simulació de circuits elèctrics

Description:

- Full-or-part-time: 2h
  Laboratory classes: 2h
3. Introducció al PSPICE d'Orcad

Description:

Full-or-part-time: 3h
Laboratory classes: 3h

3. Simulació bàsica en PSPICE

Description:

Full-or-part-time: 6h
Laboratory classes: 6h

4. Simulació avançada en PSPICE

Description:

Full-or-part-time: 6h
Laboratory classes: 6h

5. Estudi de casos d'interès

Description:

Full-or-part-time: 6h
Laboratory classes: 6h

GRADING SYSTEM