230301 - PSPICE - Circuit Simulation and Analysis Using PSpice

Coordinating unit: 230 - ETSETB - Barcelona School of Telecommunications Engineering
Teaching unit: 710 - EEL - Department of Electronic Engineering
Academic year: 2017

Degree:
- BACHELOR'S DEGREE IN AUDIOVISUAL SYSTEMS ENGINEERING (Syllabus 2009). (Teaching unit Optional)
- BACHELOR'S DEGREE IN ELECTRONIC SYSTEMS ENGINEERING (Syllabus 2009). (Teaching unit Optional)
- BACHELOR'S DEGREE IN TELECOMMUNICATIONS TECHNOLOGIES AND SERVICES ENGINEERING (Syllabus 2015). (Teaching unit Optional)
- BACHELOR'S DEGREE IN TELECOMMUNICATIONS SYSTEMS ENGINEERING (Syllabus 2010). (Teaching unit Optional)
- BACHELOR'S DEGREE IN NETWORK ENGINEERING (Syllabus 2010). (Teaching unit Optional)
- BACHELOR'S DEGREE IN TELECOMMUNICATIONS SCIENCE AND TECHNOLOGY (Syllabus 2010). (Teaching unit Optional)

ECTS credits: 2
Teaching languages: Catalan, Spanish

Teaching staff
Coordinator: Chavez Dominguez, Juan Antonio
Others: Silvestre Berges, Santiago
Turo Peroy, Antonio
Chavez Dominguez, Juan Antonio

Learning objectives of the subject

ENG

Study load

<table>
<thead>
<tr>
<th>Total learning time: 50h</th>
<th>Hours small group:</th>
<th>20h</th>
<th>40.00%</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Self study:</td>
<td>30h</td>
<td>60.00%</td>
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</tbody>
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## Content

| [ENG]1. Conceptes generals sobre simulació de circuits elèctrics | Learning time: 2h  
Laboratory classes: 2h |
| Description: |

| [CAST]3. Introducció al PSPICE d'Orcad | Learning time: 3h  
Laboratory classes: 3h |
| Description: |

| [ENG]3. Simulació bàsica en PSPICE | Learning time: 6h  
Laboratory classes: 6h |
| Description: |

| [ENG]4. Simulació avançada en PSPICE | Learning time: 6h  
Laboratory classes: 6h |
| Description: |

| [ENG]5. Estudi de casos d'interès | Learning time: 6h  
Laboratory classes: 6h |
| Description: |

## Bibliography