230254 - SDR - Radio Systems and Devices

Coordinating unit: 230 - ETSETB - Barcelona School of Telecommunications Engineering
Teaching unit: 739 - TSC - Department of Signal Theory and Communications
Academic year: 2017
Degree: BACHELOR'S DEGREE IN TELECOMMUNICATIONS SYSTEMS ENGINEERING (Syllabus 2010). (Teaching unit Optional)
BACHELOR'S DEGREE IN TELECOMMUNICATIONS TECHNOLOGIES AND SERVICES ENGINEERING (Syllabus 2015). (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: 6
Teaching languages: Catalan, Spanish

Teaching staff
Coordinator: JOAN O'CALLAGHAN
Others: JOAN O'CALLAGHAN, SEBASTIÀ BLANCH

Prior skills
Basic previous knowledge in microwaves and antennas.

Teaching methodology
-Lectures
-Lab practise
-Group work
-Individual homework

Learning objectives of the subject
Ability to design, simulate and test radio systems and devices.

Study load

<table>
<thead>
<tr>
<th>Total learning time: 150h</th>
<th>Hours large group: 26h</th>
<th>17.33%</th>
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<tbody>
<tr>
<td></td>
<td>Hours small group: 26h</td>
<td>17.33%</td>
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<tr>
<td></td>
<td>Self study: 98h</td>
<td>65.33%</td>
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</table>
# Planning of activities

## (ENG) LABORATORI

<table>
<thead>
<tr>
<th>Description</th>
<th>Learning time: 60h</th>
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<tr>
<td>Laboratory classes: 15h</td>
<td>Self study: 45h</td>
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## (ENG) EXERCICIS

<table>
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<th>Description</th>
<th>Learning time: 86h</th>
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<tr>
<td>Laboratory classes: 35h</td>
<td>Self study: 51h</td>
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## (ENG) CONTROLS DE RESPOSTA CURTA

### Qualification system

- Homework: 10%
- Lab practises: 90%
Bibliography

Basic: