Course guides
300313 - BCA-OA - Aircraft Communication Buses

Unit in charge: Castelldefels School of Telecommunications and Aerospace Engineering
Teaching unit: 744 - ENTEL - Department of Network Engineering.
Degree: BACHELOR’S DEGREE IN AIR NAVIGATION ENGINEERING (Syllabus 2010). (Optional subject).
BACHELOR’S DEGREE IN AEROSPACE SYSTEMS ENGINEERING (Syllabus 2015). (Optional subject).

Academic year: 2016  ECTS Credits: 3.0  Languages: Catalan, Spanish

LECTURER
Coordinating lecturer: Jordi Mataix Oltra
Others: David Rincón. Rafael Vidal. Jose Yúfera

PRIOR SKILLS

REQUIREMENTS
Fundamental of communications. Aviónics

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT
To know the communications that are used in the aircraft. Commercial and real products that are to be found in the market, to be able to evaluate its characteristics. Students have to know at the end of the course which solution is the best for each type of aircraft. They should know how to fit the communications chosen within the complete aircraft project.

STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self study</td>
<td>42</td>
<td>56.00</td>
</tr>
<tr>
<td>Hours large group</td>
<td>22</td>
<td>29.33</td>
</tr>
<tr>
<td>Guided activities</td>
<td>11</td>
<td>14.67</td>
</tr>
</tbody>
</table>

Total learning time: 75 h
CONTENTS

Communications buses on aircraft

Description:

Related activities:
Classes of theory. Problem resolution. Group work. Lab practices.

Full-or-part-time: 75 h
Theory classes: 22h
Guided activities: 11h
Self study: 42h

GRADING SYSTEM

EXAMINATION RULES.

Exams. Evaluation of group work. Problem resolution. Lab