300313 - BCA-OA - Aircraft Communication Buses

Coordinating unit: 300 - EETAC - Castelldefels School of Telecommunications and Aerospace Engineering
Teaching unit: 744 - ENTEL - Department of Network Engineering
Academic year: 2016
Degree: BACHELOR’S DEGREE IN AIR NAVIGATION ENGINEERING (Syllabus 2010). (Teaching unit Optional)
BACHELOR’S DEGREE IN AEROSPACE SYSTEMS ENGINEERING (Syllabus 2015). (Teaching unit Optional)
ECTS credits: 3
Teaching languages: Catalan, Spanish

Teaching staff

Coordinator: Jordi Mataix Oltra
Others: David Rincón. Rafael Vidal. Jose Yúfera

Prior skills


Requirements

Fundamental of communications. Aviónics

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>Total learning time: 75h</th>
<th>Hours large group: 22h</th>
<th>29.33%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hours medium group: 0h</td>
<td>0.00%</td>
</tr>
<tr>
<td></td>
<td>Hours small group: 0h</td>
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<tr>
<td></td>
<td>Guided activities: 11h</td>
<td>14.67%</td>
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<tr>
<td></td>
<td>Self study: 42h</td>
<td>56.00%</td>
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</tbody>
</table>
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Content

<table>
<thead>
<tr>
<th>Communications buses on aircraft</th>
<th>Learning time: 75h</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Theory classes: 22h</td>
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<tr>
<td></td>
<td>Guided activities: 11h</td>
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<tr>
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<td>Self study : 42h</td>
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**Description:**

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

Regulations for carrying out activities
Exams. Evaluation of group work. Problem resolution. Lab

Bibliography