340110 - ACEL-E6O09 - Electric Drives

Coordinating unit: 340 - EPSEVG - Vilanova i la Geltrú School of Engineering
Teaching unit: 709 - EE - Department of Electrical Engineering
Academic year: 2015
Degree: BACHELOR’S DEGREE IN ELECTRICAL ENGINEERING (Syllabus 2009). (Teaching unit Compulsory)
ECTS credits: 6

Teaching languages: Catalan

Teaching staff
Coordinator: Pere Andrada Gascón
Others: Balduí Blanqué Molina

Prior skills
It is recommended to have attended Electric Machines I and Electric Machines II

Degree competences to which the subject contributes

Specific:
4. CE34. Ability to design electric systems and systems of traction in vehicles.

Transversal:
2. SUSTAINABILITY AND SOCIAL COMMITMENT - Level 3. Taking social, economic and environmental factors into account in the application of solutions. Undertaking projects that tie in with human development and sustainability.
3. EFFECTIVE USE OF INFORMATION RESOURCES - Level 3. Planning and using the information necessary for an academic assignment (a final thesis, for example) based on a critical appraisal of the information resources used.

Learning objectives of the subject

Study load

<table>
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<th>Total learning time: 150h</th>
<th>Hours large group: 45h</th>
<th>30.00%</th>
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<tr>
<td></td>
<td>Hours medium group: 0h</td>
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<tr>
<td></td>
<td>Hours small group: 15h</td>
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<td></td>
<td>Guided activities: 0h</td>
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<td></td>
<td>Self study: 90h</td>
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<tr>
<td>(ENG) Tema 1.- Generalitats sobre accionaments elèctrics</td>
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<tr>
<td></td>
<td>Theory classes: 4h</td>
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<td>Practical classes: 2h</td>
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<td></td>
<td>Laboratory classes: 4h</td>
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<td>Self study: 10h</td>
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<th>(ENG) Tema 2.- Accionaments elèctrics de corrent continu</th>
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Bibliography

Basic: