340022 - QUIM-N1O13 - Chemistry

Coordinating unit: 340 - EPSEVG - Vilanova i la Geltrú School of Engineering
Teaching unit: 713 - EQ - Department of Chemical Engineering
Academic year: 2018
Degree: Bachelor's degree in Industrial Design and Product Development Engineering (Syllabus 2009). (Teaching unit Compulsory)
Bachelor's degree in Electrical Engineering (Syllabus 2009). (Teaching unit Compulsory)
Bachelor's degree in Industrial Electronics and Automatic Control Engineering (Syllabus 2009). (Teaching unit Compulsory)
Bachelor's degree in Mechanical Engineering (Syllabus 2009). (Teaching unit Compulsory)
ECTS credits: 6  Teaching languages: Catalan

Teaching staff
Coordinator: NATIVITAT SALVADÓ CABRÉ
Others: SALVADOR BUTÍ PAPIOL
AGUSTÍ FORTUNY SANROMÀ
JOAQUIM OLIVÉ DURAN
EMILIA PAPIOL VERA
LURDES ROSET CALZADA
MONTSERRAT RUIZ PLANAS
NATIVITAT SALVADÓ CABRÉ

Degree competences to which the subject contributes

Specific:
5. CE4. Ability to understand and apply principles of basic knowledge of general chemistry, organic and inorganic chemistry and its applications in engineering.

Transversal:
1. TEAMWORK - Level 1. Working in a team and making positive contributions once the aims and group and individual responsibilities have been defined. Reaching joint decisions on the strategy to be followed.
2. SELF-DIRECTED LEARNING - Level 1. Completing set tasks within established deadlines. Working with recommended information sources according to the guidelines set by lecturers.
3. EFFICIENT ORAL AND WRITTEN COMMUNICATION - Level 1. Planning oral communication, answering questions properly and writing straightforward texts that are spelt correctly and are grammatically coherent.
4. SUSTAINABILITY AND SOCIAL COMMITMENT - Level 1. Analyzing the world's situation critically and systemically, while taking an interdisciplinary approach to sustainability and adhering to the principles of sustainable human development. Recognizing the social and environmental implications of a particular professional activity.

Teaching methodology

Learning objectives of the subject
### Study load

<table>
<thead>
<tr>
<th>Description</th>
<th>Hours large group</th>
<th>Hours medium group</th>
<th>Hours small group</th>
<th>Guided activities</th>
<th>Self study</th>
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<tbody>
<tr>
<td><strong>Total learning time:</strong> 150h</td>
<td>30h</td>
<td>0h</td>
<td>30h</td>
<td>0h</td>
<td>90h</td>
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<tr>
<td><strong>Learning time:</strong> 60h</td>
<td>12h</td>
<td>0h</td>
<td>12h</td>
<td>0h</td>
<td>36h</td>
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<tr>
<td><strong>Total learning time:</strong> 90h</td>
<td>18h</td>
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<td>0h</td>
<td>54h</td>
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<td><strong>Learning time:</strong> 20.00%</td>
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<td>0.00%</td>
<td>20.00%</td>
<td>0.00%</td>
<td>60.00%</td>
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### Content

<table>
<thead>
<tr>
<th>Title English</th>
<th>Description</th>
<th>Learning time</th>
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<tbody>
<tr>
<td></td>
<td>content english</td>
<td>60h Theory classes: 12h Laboratory classes: 12h Self study: 36h</td>
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<table>
<thead>
<tr>
<th>Title English</th>
<th>Description</th>
<th>Learning time</th>
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<tbody>
<tr>
<td></td>
<td>content english</td>
<td>90h Theory classes: 18h Laboratory classes: 18h Self study: 54h</td>
</tr>
</tbody>
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### Qualification system
Bibliography

Basic:


Complementary:
