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: 2019
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 systematically, 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>Title English</th>
<th>Learning time: 60h</th>
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<tbody>
<tr>
<td></td>
<td>Theory classes: 12h</td>
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<tr>
<td></td>
<td>Laboratory classes: 12h</td>
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<tr>
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<td>Self study: 36h</td>
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<table>
<thead>
<tr>
<th>Title English</th>
<th>Learning time: 90h</th>
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<tbody>
<tr>
<td></td>
<td>Theory classes: 18h</td>
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<tr>
<td></td>
<td>Laboratory classes: 18h</td>
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<tr>
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<td>Self study: 54h</td>
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Total learning time: 150h

Hours large group: 30h 20.00%
Hours medium group: 0h 0.00%
Hours small group: 30h 20.00%
Guided activities: 0h 0.00%
Self study: 90h 60.00%

Content

Qualification system
Bibliography

Basic:


Complementary:
