Course guides
820526 - EEQ2Q - Experimentation in Chemical Engineering II

Unit in charge: Barcelona East School of Engineering
Teaching unit: 713 - EQ - Department of Chemical Engineering.

Degree: BACHELOR'S DEGREE IN CHEMICAL ENGINEERING (Syllabus 2009). (Compulsory subject).

Academic year: 2020 ECTS Credits: 6.0 Languages: Catalan, Spanish

LECTURER

Coordinating lecturer: VICENÇ MARTI GREGORIO

Others:
Primer quadrimestre:
NÚRIA BORRÀS CRISTÒFOL - M11, M12, M13, M14
VICENÇ MARTI GREGORIO - M11, M12, M13, M14
MARGARITA SÁNCHEZ JIMÉNEZ - M11, M12, M13, M14
NURIA SAPERAS PLANA - M11, M12, M13, M14
DAVID ZANUY GOMARA - M11, M12, M13, M14

Segon quadrimestre:
NÚRIA BORRÀS CRISTÒFOL - M11
VICENÇ MARTI GREGORIO - M11
MARGARITA SÁNCHEZ JIMÉNEZ - M11
NURIA SAPERAS PLANA - M11
DAVID ZANUY GOMARA - M11

REQUIREMENTS

EXPERIMENTACIÓ EN ENGINYERIA QUÍMICA I - Prerequisit

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:
1. Design and manage applied experimentation procedures, particularly for determining thermodynamic and transport properties, and the modelling of phenomena and systems in the field of chemical engineering, such as fluid flow systems, heat and mass transfer operations and the kinetics of chemical reactions and reactors.

Transversal:
2. TEAMWORK - Level 3. Managing and making work groups effective. Resolving possible conflicts, valuing working with others, assessing the effectiveness of a team and presenting the final results.

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

*
STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self study</td>
<td>90,0</td>
<td>60.00</td>
</tr>
<tr>
<td>Hours small group</td>
<td>60,0</td>
<td>40.00</td>
</tr>
</tbody>
</table>

**Total learning time:** 150 h

CONTENTS

* Description: *

**Full-or-part-time:** 10h
Theory classes: 4h
Self study: 6h

**Experimental sessions**

* Description: *

**Related activities:** *

**Full-or-part-time:** 100h
Laboratory classes: 40h
Self study: 60h

**Design and evaluation of an experimental project**

* Description: *

**Related activities:** *

**Full-or-part-time:** 40h
Laboratory classes: 8h
Guided activities: 8h
Self study: 24h
ACTIVITIES

* Description: *

* Material: *

* Delivery: *

Full-or-part-time: 100h
Laboratory classes: 40h
Self study: 60h

* Description: *

Full-or-part-time: 40h
Theory classes: 8h
Guided activities: 8h
Self study: 24h

* Description: *

Full-or-part-time: 2h
Theory classes: 2h

GRADING SYSTEM

BIBLIOGRAPHY

Basic: