220243 - Smart Buildings

Coordinating unit: 205 - ESEIAAT - Terrassa School of Industrial, Aerospace and Audiovisual Engineering
Teaching unit: 758 - EPC - Department of Project and Construction Engineering
Academic year: 2018
Degree: MASTER’S DEGREE IN INDUSTRIAL ENGINEERING (Syllabus 2013). (Teaching unit Optional)
ECTS credits: 5

Teaching staff
Coordinator: Casals Casanova, Miquel
Others: Tejedor Herran, Blanca

Degree competences to which the subject contributes

Specific:
2. Proper knowledge for the design, construction and management of buildings and their surroundings, especially in the field of industrial engineering.
4. Acquire the knowledge necessary for the design, implementation, verification and control of facilities, infrastructure and urban development in the field of industrial engineering.

Teaching methodology

Learning objectives of the subject

Study load

<table>
<thead>
<tr>
<th>Total learning time: 125h</th>
<th>Hours large group: 30h</th>
<th>24.00%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hours small group: 15h</td>
<td>12.00%</td>
</tr>
<tr>
<td></td>
<td>Self study: 80h</td>
<td>64.00%</td>
</tr>
</tbody>
</table>
## Content

| (ENG) Introducció als conceptes d'edificis intel·ligents | Learning time: 35h  
| Theory classes: 10h  
| Laboratory classes: 5h  
| Self study: 20h |

| title english | Learning time: 45h  
| Theory classes: 10h  
| Laboratory classes: 5h  
| Self study: 30h |

- **Description:** content english
- **Related activities:** activity english
- **Specific objectives:** objective english

| title english | Learning time: 45h  
| Theory classes: 10h  
| Laboratory classes: 5h  
| Self study: 30h |

- **Description:** content english
- **Related activities:** activity english
- **Specific objectives:** objective english

## Qualification system

## Regulations for carrying out activities
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Bibliography

Basic: