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: 2019
Degree: MASTER'S DEGREE IN INDUSTRIAL ENGINEERING (Syllabus 2013). (Teaching unit Optional)
ECTS credits: 5
Teaching languages: Catalan, Spanish, English

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>
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<tr>
<td></td>
<td>Self study: 80h</td>
<td>64.00%</td>
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### Content

<table>
<thead>
<tr>
<th>Title</th>
<th>Learning time</th>
<th>Description</th>
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</table>
| (ENG) Introducció als conceptes d'edificis intel·ligents | 35h | Theory classes: 10h  
Laboratory classes: 5h  
Self study: 20h |
<table>
<thead>
<tr>
<th>Title</th>
<th>Learning time</th>
<th>Description</th>
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</table>
| | 45h | Theory classes: 10h  
Laboratory classes: 5h  
Self study: 30h |

- **Related activities:**
- **Specific objectives:**

### Qualification system

### Regulations for carrying out activities
Bibliography

Basic: