210738 - EL - Space and Light

Coordinating unit: 210 - ETSAB - Barcelona School of Architecture
Teaching unit: 753 - TA - Department of Architectural Technology
Academic year: 2019
Degree: MASTER'S DEGREE IN ADVANCED STUDIES IN ARCHITECTURE-BARCELONA (Syllabus 2015). (Teaching unit Optional)
ECTS credits: 5
Teaching languages: Spanish

Teaching staff
Coordinator: ISABEL CRESPO CABILLO
Others: Primer quadrimestre:
HELENA COCH ROURA - AEMA1
ISABEL CRESPO CABILLO - AEMA1

Teaching methodology
Go to Spanish or Catalan version

Learning objectives of the subject
Go to Spanish or Catalan version

Study load

<table>
<thead>
<tr>
<th>Total learning time: 125h</th>
<th>Hours large group:</th>
<th>Hours medium group:</th>
<th>Hours small group:</th>
<th>Guided activities:</th>
<th>Self study:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>15h</td>
<td>0h</td>
<td>30h</td>
<td>0h</td>
<td>80h</td>
</tr>
<tr>
<td></td>
<td>12.00%</td>
<td>0.00%</td>
<td>24.00%</td>
<td>0.00%</td>
<td>64.00%</td>
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</tbody>
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Content

<table>
<thead>
<tr>
<th>title english</th>
<th>Learning time: 125h</th>
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<tbody>
<tr>
<td></td>
<td>Theory classes: 15h</td>
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<tr>
<td></td>
<td>Laboratory classes: 30h</td>
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<tr>
<td></td>
<td>Self study: 80h</td>
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Description:

Specific objectives:
To obtain a deep knowledge of light behaviour in architectonic spaces and its repercussion on their user’s perception and comfort. This course includes daylight and nightlight behaviour of buildings, and combined evaluation of natural and artificial illumination.
The main objective is to make every participant able of reaching a perfect control of the analysis of light environments in architecture and its aesthetic and functional compounds. In this way, it’s expected to be able to experiment, with good academic foundations, new approaches in light environments. At the same time, it’s considered important to use properly representation techniques that fit on every case presented in the course.

Qualification system

<table>
<thead>
<tr>
<th>Course</th>
<th>Continuous evaluation (%)</th>
<th>Final evaluation (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE09 Individual practical exercises</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>SE07 Problem resolution tests</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>SE06 Public and oral presentation in class</td>
<td>20</td>
<td></td>
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Continuous evaluation of accomplished work, with a 20% for course's work, 60% for the final work and an additional 20% for attitude and expression capacity during the whole academic phase of the course.

Bibliography

Basic:

Complementary: