210740 - AA - Acoustics in Architecture

Coordinating unit: 210 - ETSAB - Barcelona School of Architecture
Teaching unit: 753 - TA - Department of Architectural Technology
Academic year: 2018
Degree: MASTER’S DEGREE IN ADVANCED STUDIES IN ARCHITECTURE-BARCELONA (Syllabus 2015).
(Teaching unit Optional)
ECTS credits: 5
Teaching languages: Spanish

Teaching staff
Coordinator: HELENA COCH ROURA
Others:

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

<table>
<thead>
<tr>
<th>Title English</th>
<th>Learning Time: 125h</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Theory classes: 15h</td>
</tr>
<tr>
<td></td>
<td>Laboratory classes: 30h</td>
</tr>
<tr>
<td></td>
<td>Self study: 80h</td>
</tr>
</tbody>
</table>

Description:

Specific objectives:
In this course, relations between architecture and sound will be covered, considering the later as an element of the design of interior and exterior spaces in buildings, both from an energetic understanding and from the point of view of the requirements of the sonorous space. The objective is to establish the acoustic characteristics of architecture in relation to the design of buildings, urban and natural landscapes using the necessary acoustic tools.

Qualification system

<table>
<thead>
<tr>
<th>Continuous evaluation (%)</th>
<th>Final evaluation (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE04 Testing and reporting of experimental work</td>
<td>30</td>
</tr>
<tr>
<td>SE09 Individual practical exercises</td>
<td>70</td>
</tr>
</tbody>
</table>

Continuous evaluation throughout the entire course by means of successive evaluation acts:
Field work, in a team (30%)
Individual work proposition (constructive solutions), tutored and assisted (70%)
Bibliography

**Basic:**


**Complementary:**