210740 - AA - Acoustics in Architecture

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: HELENA COCH ROURA
Others: Primer quadrimestre:
        HELENA COCH ROURA - 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>15h</th>
<th>12.00%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hours medium group:</td>
<td>0h</td>
<td>0.00%</td>
</tr>
<tr>
<td></td>
<td>Hours small group:</td>
<td>30h</td>
<td>24.00%</td>
</tr>
<tr>
<td></td>
<td>Guided activities:</td>
<td>0h</td>
<td>0.00%</td>
</tr>
<tr>
<td></td>
<td>Self study:</td>
<td>80h</td>
<td>64.00%</td>
</tr>
</tbody>
</table>
### 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%)

Continuous telematic evaluation

In online teaching situations, continuous assessment will be carried out synchronously and asynchronously by the means established by the University and the School, with a periodic record of academic activity through submissions, forums, questionnaires or any other means facilitated by the Atenea platform, or the alternatives provided to the teaching staff. In the situations in which this telematic teaching is a product of face-to-face teaching that has already begun, or for questions of extra-academic order, the changes in the weightings or regular control systems of the teaching will be communicated in detail to all students by the Athena of each subject.

Telematic final evaluation

If the continuous telematic evaluation is not positive, a second evaluation can be carried out, which will consist of a final test of a global nature in telematic format that will be established in accordance with the criteria of the professor responsible and the media and ICTs provided by the University or School.

The measures for adaptation to non-classroom teaching will be implemented in accordance with the criteria of ICT security and personal data protection to ensure compliance with the legislation on Personal Data Protection (RGPD and LOPDGDD)

Bibliography

Basic:


Complementary: