Course guides
210741 - EC - Energy and Comfort

Unit in charge: Barcelona School of Architecture
Teaching unit: 753 - TA - Department of Architectural Technology.

Degree: MASTER’S DEGREE IN ADVANCED STUDIES IN ARCHITECTURE-BARCELONA (Syllabus 2015). (Optional subject).

Academic year: 2020  ECTS Credits: 5.0  Languages: Spanish

LECTURER

Coordinating lecturer: JUDIT LÓPEZ BESORA

Others: Segon quadrimestre:
ANTONIO ISALGUE BUXEDA - AEMA2
JUDIT LÓPEZ BESORA - AEMA2

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>Type</th>
<th>Hours</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self study</td>
<td>80,0</td>
<td>64.00</td>
</tr>
<tr>
<td>Hours small group</td>
<td>30,0</td>
<td>24.00</td>
</tr>
<tr>
<td>Hours large group</td>
<td>15,0</td>
<td>12.00</td>
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</tbody>
</table>

Total learning time: 125 h
Contents

Title English

Description:

Specific objectives:
To improve knowledge foundations necessary to evaluate the environmental comfort of architectonic spaces, including lighting, acoustics and climatic aspects combined. The main point is to integrate, in a unique doctrine, different scientific fields usually disconnected; with the objective to obtain a global system of knowledge and evaluation of the energetic space in the buildings and other architectonic and urban spaces. At the same time, it is crucial to consider the relation between environmental sensation and perception, by opening a new way to the aesthetic consideration of the energetic phenomena on architecture.

Full-or-part-time: 125h
Theory classes: 15h
Laboratory classes: 30h
Self study : 80h

Grading System
Continuous evaluation (%) Final evaluation (%)
SE02 Oral presentations 30
SE08 Delivered work marks 50
SE09 Individual practical exercises 20

Continuous evaluation of accomplished work during the course, with a 50% for course's work, 20% for the final work and an additional 30% for the capacity and improvement of the scientific communication.

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: