Course guides  
**310765 - 310765 - Building Acoustics**

**Unit in charge:** Barcelona School of Building Construction  
**Teaching unit:** 748 - FIS - Department of Physics.  
**Degree:** BACHELOR'S DEGREE IN ARCHITECTURAL TECHNOLOGY AND BUILDING CONSTRUCTION (Syllabus 2019). (Optional subject).  
**Academic year:** 2020  
**ECTS Credits:** 3.0  
**Languages:** Catalan, Spanish

**LECTURER**

**Coordinating lecturer:** JULIAN ALVAREZ CHAIA

**Others:**

**DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES**

**Specific:**
FE-01. FE-1 Ability to understand and make the graphical documentation of a project, to do data gathering, surveying of plans and geometric control of construction units.  
FE-04. FE-4 Knowledge of the materials and traditional or prefabricated construction systems used in construction, their varieties and physical and mechanical features which define them.

**Transversal:**
02 SCS N1. SUSTAINABILITY AND SOCIAL COMMITMENT - Level 1. Analyzing the world's situation critically and systemically, while taking an interdisciplinary approach to sustainability and adhering to the principles of sustainable human development. Recognizing the social and environmental implications of a particular professional activity.  
05 TEQ N1. TEAMWORK - Level 1. Working in a team and making positive contributions once the aims and group and individual responsibilities have been defined. Reaching joint decisions on the strategy to be followed.  
06 URI N1. EFFECTIVE USE OF INFORMATION RESOURCES - Level 1. Identifying information needs. Using collections, premises and services that are available for designing and executing simple searches that are suited to the topic.  
07 AAT N1. SELF-DIRECTED LEARNING - Level 1. Completing set tasks within established deadlines. Working with recommended information sources according to the guidelines set by lecturers.  
04 COE. EFFICIENT ORAL AND WRITTEN COMMUNICATION. Communicating verbally and in writing about learning outcomes, thought-building and decision-making. Taking part in debates about issues related to the own field of specialization.

**TEACHING METHODOLOGY**

**LEARNING OBJECTIVES OF THE SUBJECT**

**STUDY LOAD**

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hours large group</td>
<td>30,0</td>
<td>40.00</td>
</tr>
<tr>
<td>Self study</td>
<td>45,0</td>
<td>60.00</td>
</tr>
</tbody>
</table>

**Total learning time:** 75 h
CONTENTS

Description:

Full-or-part-time: 4h
Theory classes: 4h

Description:

Full-or-part-time: 8h
Theory classes: 6h
Practical classes: 2h

Description:

Full-or-part-time: 18h
Theory classes: 16h
Practical classes: 2h

GRADING SYSTEM

BIBLIOGRAPHY

Basic:

Complementary: