Course guide  
310188 - 310188 - Intervention Project  

Unit in charge: Barcelona School of Building Construction  
Teaching unit: 753 - TA - Department of Architectural Technology, 756 - THATC - Department of History and Theory of Architecture and Communication Techniques, 752 - RA - Departamento de Representación Arquitectónica.  
Degree: MASTER'S DEGREE IN DIAGNOSIS AND INTERVENTION TECHNIQUES IN BUILDING CONSTRUCTION (Syllabus 2020). (Compulsory subject).  
Academic year: 2022  
ECTS Credits: 6.0  
Languages: Catalan, Spanish, English  

LECTURER  
Coordinating lecturer: Hormias Laperal, Emilio  
Others: Sanabra Loewe, Marc  
Sanmarti Martinez, Claudia  
Esquinas Dessy, Jesús  
Marin Gordi, Oriol  

PRIOR SKILLS  
This master is thought for architects and technical architects.  

TEACHING METHODOLOGY  
In this subject it will be encouraged team work and learning by projects.  

LEARNING OBJECTIVES OF THE SUBJECT  
Finishing the subject the student must be capable of doing an intervention project of refurbishment of small dimensions. Determining the different specific contents of the technical refurbishment project with its specificities (memory, graphic documentation, measurements and budget, technical requirements,...)  

STUDY LOAD  
<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hours small group</td>
<td>6,0</td>
<td>4.00</td>
</tr>
<tr>
<td>Guided activities</td>
<td>12,0</td>
<td>8.00</td>
</tr>
<tr>
<td>Hours medium group</td>
<td>6,0</td>
<td>4.00</td>
</tr>
<tr>
<td>Hours large group</td>
<td>18,0</td>
<td>12.00</td>
</tr>
<tr>
<td>Self study</td>
<td>108,0</td>
<td>72.00</td>
</tr>
</tbody>
</table>

Total learning time: 150 h
CONTENTS

Module 1

Description:
This module consists of the analysis of the structural system and the envelope of the building in which we will intervene. Introductory theoretical classes will be held at the beginning of the workshops to deepen the specificity of the project in which we are intervening. In the structural system the aspects of structural reinforcement and repair appropriate to the building in which we are intervening will be developed. Aspects related to the skin of the building and its adaptation to the current energy requirements with the different solutions that can be chosen will be covered in the envelope system.

Full-or-part-time: 20h
Theory classes: 4h
Practical classes: 16h

Module 2

Description:
This module will proceed to deepen the related aspects of the division systems and finishes taking into account the characteristics of the building in which we are intervening, both heritage and functional level. At the beginning of each topic there will be a theoretical class to specify the aspects related to the building undergoing rehabilitation. At the end of this module an intermediate correction will be made with a jury of the teachers of the master to evaluate the work done so far.

Full-or-part-time: 20h
Theory classes: 4h
Practical classes: 16h

Module 3

Description:
In this module the works related to the quantification and evaluation of the rehabilitation (measurements and budget) and those in which the types of action will be established (memory and specifications) will be carried out. The premises regarding the safety and health aspects of the work will also be established. At the beginning of each topic there will be a theoretical class. At the end of this module a final presentation of the work done up to that moment will be made with the assistance of a specialized jury.

Full-or-part-time: 20h
Theory classes: 4h
Practical classes: 16h

GRADING SYSTEM

Avaluation will be continuous through the participation at the 80% of the classes. This participation will count a 30% of the total grade. There will be an intermediate submission with 30% of the total grade and a final submission with a 40% of the total grade.
BIBLIOGRAPHY

Basic:

Complementary: