Course guides
310739 - 310739 - Workshop 7: Rehabilitation

Unit in charge: Barcelona School of Building Construction
Teaching unit: 732 - OE - Department of Management.
753 - TA - Department of Architectural Technology.
752 - RA - Departamento de Representación Arquitectónica.
751 - DECA - Department of Civil and Environmental Engineering.
756 - THATC - Department of History and Theory of Architecture and Communication Techniques.

Degree: BACHELOR'S DEGREE IN ARCHITECTURAL TECHNOLOGY AND BUILDING CONSTRUCTION (Syllabus 2019). (Compulsory subject).

Academic year: 2020  ECTS Credits: 7.5  Languages: Catalan, English, Spanish

LECTURER

Coordinating lecturer: Gibert Armengol, Vicente
Others: Gibert Armengol, Vicente
Gomez Val, Ricardo Jose
Agustiño Otero, Manuel
Pascual Mo, Jordi
Royano García, Verónica
Olona Casas, Joan
Hormias Laperal, Emilio

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

At the end of the course, the student should be able to:
- Analyze the strategic approach to action within a rehabilitation program.
- Evaluate which computer tools available in the sector are adjusted to the needs of the project.
- Identify which documents should be part of a basic rehabilitation project and how the client's needs are considered.
- Elaborate the technical sections that formalize an executive project of rehabilitation from a basic project.
- Generate specific construction details of a rehabilitation project.

STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hours small group</td>
<td>75,0</td>
<td>40.00</td>
</tr>
<tr>
<td>Self study</td>
<td>112,5</td>
<td>60.00</td>
</tr>
</tbody>
</table>

Total learning time: 187.5 h
CONTENTS

UNIT 1: PROJECT ANALYSIS AND APPROACH

Description:
This unit works on:
· The architectural features that are recurring in buildings.
· The tools needed to manage the information of a project.
· The content of the rehabilitation project to be developed.

Specific objectives:
Classify the most significant variables of an architectural model.
Determine the singularities of the client profile residing in the building.
Structure the subsystems and elements that are part of the building.
Choose a tool with the ability to manage graphic and non-graphic information.

Related activities:
Theoretical explanation classes.
Development of Group Work 1: Needs for a rehabilitation project.
Cross-defense of Group 1 work: Improvements are proposed to the work of other groups.
Self-defense of Group Work 1: This part will contribute to the defense of the final work, together with the other parts.

Full-or-part-time: 62h
Theory classes: 14h 30m
Practical classes: 10h 30m
Self study: 37h

UNIT 2: BASIC AND EXECUTIVE PROJECT

Description:
This unit works on:
· The needs of adaptation of a rehabilitation project in function of the normative technical requirements and of the requirements of the customer.
· The structure of a basic project and the documents that make it up.
· The documents that complement and justify an executive project.

Specific objectives:
Assess subsystems susceptible to rehabilitation need.
Prepare the regulatory documents that must be included in a basic project.
Prepare the supporting documents to be included in an executive project.

Related activities:
Theoretical explanation classes.
Development of Group Work 2: Approach to a basic and executive project.
Cross-defense of Group 2 work: Improvements are proposed to the work of other groups.
Self-defense of Group 2 work: This part will contribute to the defense of the final work, together with the other parts.

Full-or-part-time: 87h
Theory classes: 12h
Practical classes: 23h
Self study: 52h
UNIT 3: CONSTRUCTION DETAILS

Description:
This unit works on:
- The forms of detailed graphic representation of an intervention following its model of execution.
- The auxiliary means of safety and prevention and the economic costs linked to the proposed intervention.
- The repercussion of executing the intervention in a situation of presence of the property.

Specific objectives:
Determine the chronological phases of execution within a constructive detail.
Represent graphically the different phases of the intervention with the necessary auxiliary means.
Formalize a summary sheet where it appears: the graphic representation, the budget, the necessary auxiliary means and the environmental impact.

Related activities:
Theoretical explanation classes.
Development of the Work 3 in group: Realization of constructive details.
Cross-defense of Group Work 3: Improvements to the work of other groups are proposed.
Self-defense of Group Work 3: This part will contribute to the defense of the final work, together with the other parts.

Full-or-part-time: 37h
Theory classes: 4h
Practical classes: 11h
Self study: 22h

GRADING SYSTEM

BIBLIOGRAPHY

Basic:

Complementary:
- Carrasco, Emilio. REBT: reglamento electrotécnico para baja tensión e instrucciones técnicas complementarias (ITC) BT01 a BT52:

RESOURCES

Hyperlink: