Course guides
310749 - 310749 - Architecture and Construction of the House. History and Heritage Values for Rehabilitation

Unit in charge: Barcelona School of Building Construction
Teaching unit: 756 - THATC - Department of History and Theory of Architecture and Communication Techniques.
Degree: BACHELOR'S DEGREE IN ARCHITECTURAL TECHNOLOGY AND BUILDING CONSTRUCTION (Syllabus 2019). (Optional subject).
Academic year: 2021  ECTS Credits: 3.0  Languages: Catalan

LECTURER
Coordinating lecturer: Rossello Nicolau, María Isabel
Others: Hernández Falagán, David
Sanmartí Martínez, Claudia

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:
FE-06. FE-6 Knowledge of the historical evolution of the constructive techniques and elements and the structural systems which have led to stylistic forms.
FE-10. FE-10 Aptitude to intervene in the refurbishment of buildings and the restoration and preservation of the built heritage.

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.
04 COE N2. EFFICIENT ORAL AND WRITTEN COMMUNICATION - Level 2. Using strategies for preparing and giving oral presentations. Writing texts and documents whose content is coherent, well structured and free of spelling and grammatical errors.

TEACHING METHODOLOGY
The subject is organized, on a hand in theoretical classes that provide contents, tools and instruments for the knowledge of this architecture and criteria for its rehabilitation. On the other hand, we will hold specific sessions to address interventions in existing housing that become benchmarks. In addition, a course work will be developed that we will follow and work together throughout the sessions. The study of a case must allow to concretize and to experience the learnings of the course.
LEARNING OBJECTIVES OF THE SUBJECT

The residential fabric, the house in all its variations, is a key element that makes up our territory, our towns and our cities. It is a witness fundamental to understand the architectural and constructive culture of contemporary society. It is an essential built heritage in any approach sensitive to the cultural reality that defines us and that is careful with the resources we have.

The subject presented is based on these parameters, which is why it addresses, on the one hand, its heritage valuation (in the sense of shared material culture), on the other, it investigates its knowledge and evolution and, finally, proposes instruments for its preservation.

It is a fundamental subject for those students who are interested in working in rehabilitation.

The objectives focus on:

Provide resources for architectural and constructive knowledge of contemporary housing architecture.
Provide tools for asset valuation.
Provide knowledge and tools that facilitate the criteria of preservation and intervention.

STUDY LOAD

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

Total learning time: 75 h

CONTENTS

The house as a cultural heritage. The house as a shaper of the material culture of our society

Description:
Origin of cultural heritage
Moving from the general theory to the architecture of the house as a cultural asset.
Material culture and authenticity
The invention of urban heritage

Full-or-part-time: 4h
Theory classes: 2h
Self study: 2h
**Architecture and construction of the house in the pre-industrial society**

**Description:**
The house and the territory: cultural references and physical and geographical conditions
The conforming house of the urban nuclei
The urban representative house: houses and palaces
The thick-walled house as a constructive reference
Surface treatment and representative values
Construction systems and finishing techniques

**Related activities:**
Study and analysis of interventions

**Full-or-part-time:** 12h
Theory classes: 6h
Self study : 6h

---

**Architecture and construction of the house from industrialization**

**Description:**
The house of neighbors between medians conforming of the residential fabric
From the artisan house to the neighbor’s house
The consolidation of the neighbor's house
From palaces to rented houses
The thin-walled house from industrialization
Surface treatment. Valorisation of facades
Beginnings of technical modernization and new materials for oneself proposal
The detached suburban house shaping new city ideas
Permanences and technical innovations

**Full-or-part-time:** 20h
Theory classes: 10h
Self study : 10h

---

**Instruments for the conservation of residential heritage**

**Description:**
Actions on residential heritage
House architecture and heritage sensitivity
Knowledge and intervention as tools for sustainability
Preservation versus gentrification

**Related activities:**
Analysis and case study

**Full-or-part-time:** 12h
Theory classes: 6h
Self study : 6h
GRADING SYSTEM

The subject arises from a continuous work that will be followed throughout the course. A work that focuses on the development and follow-up of the classes and the related exercises and a specific course work that should serve as a synthesis of learning. The weight of each of the parts is as follows:

33% Course monitoring and specific exercises in class
33% Course work
33% Content synthesis exercises

BIBLIOGRAPHY

Basic:
- Graus, Ramon; Rosell, Jaume. Història de la construcció a la Catalunya contemporànà [on line]. Barcelona. Barcelona, 2002 Available on: https://discovery.upc.edu/iii/encore/record/C__Rb1221518__Sapunts%20graus%20rosell__Orightresult__U__X1;jsessionid=29C49067D0C7F19B7A4A7C3DC40BA3517lang=cat&suite=def.

Complementary: