

Course guide

210286 - CALM - Building with Memory

Last modified: 14/12/2023

Unit in charge: Barcelona School of Architecture
Teaching unit: 756 - THATC - Department of History and Theory of Architecture and Communication Techniques.

Degree: DEGREE IN ARCHITECTURE STUDIES (Syllabus 2014). (Optional subject).

Academic year: 2023 **ECTS Credits:** 3.0 **Languages:** Catalan, Spanish, English

LECTURER

Coordinating lecturer: TIZIANO SCHÜRCH - JOAN RAMON CORNELLANA DÍAZ

Others: Primer quadrimestre:
JOAN RAMON CORNELLANA DÍAZ - Grup: 1SI
TIZIANO SCHÜRCH - Grup: 1SI

PRIOR SKILLS

- Capacity of wonder and admiration.
- Awareness of the climatic and environmental emergency and the responsibility of architecture in this regard.
- Sensitivity and interest in the aesthetic aspects derived from each artistic and architectural manifestation.
- Ability to integrate knowledge from various areas and points of view.

REQUIREMENTS

- Have passed Design IV
- Have passed History II

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:

EAB1. Translation from Spanish slope
EP16. Translation from Spanish slope
EP19. Translation from Spanish slope
EP21. Translation from Spanish slope
EP4. Translation from Spanish slope
EP8. Translation from Spanish slope
EP9. Translation from Spanish slope

Generical:

CG7. Translation from Spanish slope
CG1. Translation from Spanish slope
CG2. Translation from Spanish slope

Transversal:

CT2. Translation from Spanish slope
CT5. Translation from Spanish slope

Basic:

CB3. Translation from Spanish slope
CB4. Translation from Spanish slope

TEACHING METHODOLOGY

Lecture
Workshop
Design-based research progress

LEARNING OBJECTIVES OF THE SUBJECT

To discover and delve into the theoretical, poetic and practical potential of the reuse of materials as a concrete response to the current climatic and environmental emergency and to the loss of identity and human thickness that involves building allways ex novo.

1. THEORETICAL POTENTIAL: To discuss and to build an architectural paradigm in which the boundaries between old and new, construction and demolition, the heritage and the everyday are dissolved. This will allow us to relativise the insistence of the present and to insert our lives into broader natural and social cycles, richer and more complex.

2. POETIC POTENTIAL: To investigate into the implications and design possibilities derived from the interaction between matter and memory, testing creative processes capable of reactivating these energies and merging the density of past times with the lightness of present.

3. PRACTICAL POTENTIAL: To investigate and to develop elements, processes and/or particular construction systems that may allow to reduce the ecological footprint and to rescue the latent memory of the disappeared vestiges of architecture, thus generating new dialogues from the present time.

The course aims to help the student to analyze the history of a specific place in process of transformation based on the traces deposited there. Likewise, the student will develop the ability to imagine possible mutations of a place that spring from the reinterpretation and reuse of these material remains.

STUDY LOAD

Type	Hours	Percentage
Self study	42,0	56.00
Hours large group	33,0	44.00

Total learning time: 75 h

CONTENTS

Insights

Description:

Approach to the issue of recycling, the reuse of materials and the manipulation of the latent memory in them. Historical perspective of the subject and description of the multiple points of view and approaches that converge on the subject.

Specific objectives:

Provide a preliminary theoretical-practical baggage that introduces the student to the reuse of materials.

Offer the student the wide spectrum of perspectives (technological, ecological, artistic, social, etc.) that converge in the reuse of materials.

Generate a debate on the possibilities and limits of the reuse of materials from a specific point of view.

Related activities:

Lecture class offered by a specialist on the subject of recycling, the reuse of materials and their latent memory from a specific point of view (active businessmen, researchers, artists, architects and civil servants) and subsequent debate with the students.

Related competencies :

CG1. Translation from Spanish slope
CG2. Translation from Spanish slope
CG7. Translation from Spanish slope
EP9. Translation from Spanish slope
EP19. Translation from Spanish slope
EP21. Translation from Spanish slope
EP16. Translation from Spanish slope
CT2. Translation from Spanish slope
CB3. Translation from Spanish slope
CB4. Translation from Spanish slope

Full-or-part-time: 8h

Theory classes: 8h

Reflection

Description:

Analysis and reflection on the latent memory in the materials of a concrete place in a desertion, deconstruction or transformation state.

Specific objectives:

Understand a building in relation to its function, to a specific historical moment and to a specific community or society.

Establish links between the lived history of a building and the present time.

Build a narrative that links past, present and future.

Related activities:

Research work in the memories of a specific place.

Fieldwork carried out individually or in groups in a concrete place (undergoing deconstruction or a transformation process) chosen by the teachers for each edition of the subject. As archaeologists of everyday life, the history and the stories of its past inhabitants will be investigated. This investigation will be carried out by registering the materials found through photographs, drawings and plans. The student will then choose one of the multiple points of view related to the reuse of materials in order to elaborate a new narrative capable of dialoguing with the present time and showing some potential hidden in the latent memory of materials.

Related competencies :

CG7. Translation from Spanish slope

EP9. Translation from Spanish slope

EAB1. Translation from Spanish slope

EP16. Translation from Spanish slope

CB3. Translation from Spanish slope

CB4. Translation from Spanish slope

Full-or-part-time: 12h

Guided activities: 6h

Self study : 6h

Building

Description:

Construction of a proposal (artifact or installation).

Students will select some material discarded in the process of demolition or abandonment that is likely to be reused in each enclave. The aim is to give a new meaning to the chosen materials, returning eloquence to the muted matter. Each student or group must propose an intervention, an object, an artifact, etc. able to question our inertias and routines, opening our eyes and our minds to the possibilities that the reuse of materials offer. Micro-architectures capable of containing and keeping alive the history of a space, turning what is discarded into significant and revealing the value of the residual. Concrete approaches to a new way of making sustainable architecture, in which the construction cycles closes again, as it always has been.

Specific objectives:

Reflect on the mechanisms to make visible those layers of reality invisible by our routine gaze, by our prejudices or by the inertias of the market and the consumer society.

Activate latent life in a space through concrete actions.

Promote circular architecture through the reinsertion of materials in the life cycle of a building or place.

Related activities:

Design and construction of a specific device or installation

Related competencies :

EP4. Translation from Spanish slope

EP8. Translation from Spanish slope

CT5. Translation from Spanish slope

CT2. Translation from Spanish slope

CB4. Translation from Spanish slope

Full-or-part-time: 13h

Theory classes: 1h

Laboratory classes: 6h

Self study : 6h

GRADING SYSTEM

Analysis and reflection work (30%)

Building of an artifact or installation (70%)

BIBLIOGRAPHY

Basic:

- JENCKS, Charles. Adhocism: the case for improvisation. Cambridge: The MIT Press, 2013.
- Lynch, Kevin. Echar a perder : un análisis del deterioro. Barcelona: Gustavo Gili, cop. 2005. ISBN 8425220440.
- Devlieger, Lionel. "The complexity of waste". Abitare. 2011, núm. 517.
- "Embodied Energy Policies to Reuse Existing Buildings_AREQ 2017". Fuertes, Pere. Energy Procedia [on line]. Amsterdam: Elsevier, 2017. [Consultation: 15/07/2021]. Available on: <https://www.sciencedirect.com/science/journal/18766102>.

Complementary:

- PEREC, Georges. Lo Infraordinario. Madrid: Impedimenta, 2008. ISBN 9788493655051.
- Benneuil, Christophe; Fressoz, Jean-Baptiste. The Shock of the anthropocene: the earth, history and us. Londres: Verso, 2016. ISBN 9781784780791.
- "En busca de la arquitectura perdida". Zumthor, Peter. Pensar la arquitectura. Barcelona: Gustavo Gili, cop. 2014.
- Mostafavi, Mohsen. On weathering: The life of buildings in time. Cambridge, [MA] [etc.]: The MIT Press, cop. 1993. ISBN 026263144X.
- The Architectural Review - Núm. 1482. Londres: EMAP Publishing Limited, 2021, núm. 1482.
- "The 'As found' and the 'Found'". El Independent Group : la postguerra británica y la estética de la abundancia. València: IVAM Centre Julio González : Generalitat Valenciana, Conselleria de Cultura, Educació Valenciana, DL 1999.
- Monteys, Xavier, et. al.. Atlas de aprovechamiento arquitectónico. Barcelona: UPC, 2018. ISBN 9788494846601.

RESOURCES

Audiovisual material:

- Video presentació assignatura. Video presentation of the subject

Other resources:

<https://www.youtube.com/watch?v=McLjrJDU36o> />

The materials and documents of the subject may be written indistinctly in any languages of instruction.