



Course guide

290289 - CRITER4C - Rehabilitation Criteria and Techniques

Last modified: 05/02/2026

Unit in charge: Vallès School of Architecture
Teaching unit: 753 - TA - Department of Architectural Technology.

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

Academic year: 2025 **ECTS Credits:** 4.0 **Languages:** Catalan

LECTURER

Coordinating lecturer: Cucurella Jorba, Maria De Montserrat

Others: Gonzalez Solanes, Manel

REQUIREMENTS

have taken or be enrolled in the subject Building Park Intervention

TEACHING METHODOLOGY

Subject focused on how to intervene in existing buildings. Based on specific sessions, concrete examples, visits to interventions, selected readings and debates - among other methodologies - the aim is to make the field of architectural rehabilitation known.

A transversal route is proposed that goes from very small projects to large projects, detailing some of the most widespread construction techniques throughout our country and at the same time less known.

A critical look at pre-existing conditions and interventions is proposed in order to develop, based on general criteria and techniques, the rehabilitation criteria and techniques specific to each project.

6 days are planned at school with afternoon hours and 2 days outside of school (morning and afternoon). Students will have to travel with their own transport (or shared between students).

The main language is Catalan, however, teachers can also teach and assist students in Spanish or English.

LEARNING OBJECTIVES OF THE SUBJECT

1. Learn to analyze preexistences: structure, constructed systems, installations, etc.
2. Relate and incorporate rehabilitation as an inherent part of contemporary architecture.
3. Conèixer les preexistències i els constructive processes of execution justifying the most suitable intervention.
4. I will learn to work both the techniques and the materials that are part of it.
5. Evaluate and analyze the cost estimate
6. I will understand the work processes, the difficulties and the possible adaptations.



CONTENTS

Contents

Description:

- Tips for architectural interventions in the building park

Delve into the different types of most recent actions and the constructive approach. Explanation of practical examples of: rehabilitations; restorations and others.

- Diagnosis methodology

Conèixer el procés para alitzar un diagnosi, com dur-la terme, qués documents es generan y què se conclusions cal extreure'n.

- The rehabilitation project

Strategies, continguts, definition of orders and apartments, work programs, budget orientation and others.

- Structure

Delve into the structural coneixement of the building: the structural injuries, the possible intervention techniques and our constructed systems. Description of projects focused on structural interventions. Specific cases: the tàpia, the Catalan volta.

- Envolupant

Delve into the connection of the envelopes, façanes and covers; Les injuries, possible intervention techniques and constructed systems.

- Accessibility and vertical communications

Strategies and criteria to improve the accessibility of existing buildings.

- Interior interventions

The rehabilitation affects the interior: the compartmentation, the coverings, the finishes, the furniture.

- Heritage interventions

Conèixer and understand how to intervene in heritage-protected buildings: how to approach the project, the criteria and techniques of intervention.

- Rehabilitation and improvement of energy efficiency

I will understand how to intervene in order to improve the energy efficiency of existing buildings.

- Visits

Days of visits in buildings and rehabilitations and/or in works in order to understand the building, the project, the works, the interventions and the final results.

Full-or-part-time: 4h

Theory classes: 1h 30m

Practical classes: 1h 30m

Self study : 1h

GRADING SYSTEM

It is essential to follow up the classes and the delivery of the material, in accordance with:

30% Debate and participation

40% Exercisis and lectures during sessions

30% Final Treball on the subject tractats



BIBLIOGRAPHY

Basic:

- Vegas, F.; Miletó, C. Aprendiendo a restaurar : un manual de restauración de la arquitectura tradicional de la Comunidad Valenciana. València: Generalitat Valenciana, Conselleria de Medi Ambient, Aigua, Urbanisme i Habitatge, 2011. ISBN 9788486828936.
- DDA. Arquitectura tradicional : tècniques constructives.. Girona: GRETA Grup de Recuperació i Estudi de la Tradició Arquitectònica, 2016. ISBN 9788494527913.