

Course guide

210340 - CTBA - Creativity and Triple Bottom Line in Architecture

Last modified: 01/07/2025

Unit in charge: Barcelona School of Architecture
Teaching unit: 735 - PA - Department of Architectural Design.
 752 - RA - Departamento de Representación Arquitectónica.
Degree: DEGREE IN ARCHITECTURE STUDIES (Syllabus 2014). (Optional subject).
Academic year: 2025 **ECTS Credits:** 3.0 **Languages:** Catalan, English

LECTURER

Coordinating lecturer:

Others: Segon quadrimestre:
 SALVADOR GILABERT SANZ - 2ST
 ANTONI VIDAL JORDI - 2ST

PRIOR SKILLS

The student must be able to carry out third-year projects and handle digital tools such as CAD image editing programs, as well as office automation and data editing and management tools.

REQUIREMENTS

Projects III, Urban Planning II, RA I and RA II must have been passed.

TEACHING METHODOLOGY

In-person activities:
 Participatory lecture: 0.8 hours/week
 Case studies: 0.6 hours/week
 Workshops: 0.6 hours/week

LEARNING OBJECTIVES OF THE SUBJECT

A deep connection that comes from different perspectives on sustainability; ability to identify them. Apply the knowledge you have from different perspectives; capacity to identify the problems of a community and propose project solutions (of different scales suitable and pertinent) valuing the strategic, extrapolable, scalable value.

It is about proposing creative solutions that follow strategies and that allow to transform and improve existing conditions, always under the prism of the triple balance: both a social part, an environmental part and economic viability

STUDY LOAD

Type	Hours	Percentage
Self study	45,0	60.00
Hours large group	30,0	40.00

Total learning time: 75 h

CONTENTS

title english

Description:

The subject is presented with a work of idea based on the restrictions of the lloc, the social system, the economic system and among the responsibility for the planet (Triple Balanç or P3 Architecture: Combinant els vector Social, Econòmic i Environmental). All with a personal and coherent architectural language.

The main objective is to activate creativity with the ability to work at different levels of conscious architecture, which will respond to current and future representatives of the discipline with a global scope linked to social and sustainable management throughout the entire project development process.

The architect acts as a galvanizer and facilitator of promotion and construction processes, ensuring the success of the design process.

In all these aspects, the architect must be able to configure proposals in an ethical, aesthetic, and graphically coherent manner.

Specific objectives:

Take the prism of the three fundamental concepts: Sustainability of the project and "triple balance", Conscientious design of the project and graphic documentation and presentation:

Conèixer and represent through the eyes of others

Conèixer and represent through one's own perspective

Interpret existing reality from a morphological and topological approach

Analyze the project of an interscalar approach

Develop work and implementation strategies

Propose architectural solutions with constructius systems based on the triple balance

Related activities:

- Theoretical presentation: The situationist drift.
- The triple balance: economic, ecological and social system.
- Treball added by layers.
- Concretion and definition of the proposal
- Definition and representation of the proposal.

Full-or-part-time: 3h

Laboratory classes: 2h

Self study : 1h

GRADING SYSTEM

Oral presentations (25% continuous assessment) (25% final assessment)

Individual assignments and exercises (75% continuous assessment) (75% final assessment)

Final evaluation

If the continued evaluation is not positive, a second test can be performed this one will consist in a final test of global character in the format established according with the criteria of the responsible teacher (written and oral test and/or delivery of work).

EXAMINATION RULES.

Conceptualization and implementation of the triple bottom line project

BIBLIOGRAPHY

Basic:

- Heywood, Huw. 101 reglas básicas para edificios y ciudades sostenibles.. Barcelona: Gustavo Gili, 2017. ISBN 9788425229930.
- Ching, Francis D.K.; Shapiro, Ian M. Arquitectura ecológica [on line]. Barcelona: Ed. Gustavo Gili, 2015 [Consultation: 07/07/2025]. Available on: <https://elibro.net/es/lc/upcatalunya/titulos/267582>. ISBN 9788425227431.
- Hammett, Jerilou; Wrigley, Maggie.. The Architecture of change: Building a Better world.. . Ed. University of New Mexico Press., 2013.
- Higuera, Ester. Urbanismo bioclimático. Barcelona: Gustavo Gili., 2010. ISBN 9788425220715.
- LaCol. Construir en Col·lectiu, participació en arquitectura i urbanisme.. Barcelona: Pol·len Edicions, 2018. ISBN 9788416828395.
- Salvador Gilabert SANZ. Enric Miralles, procesos y experimentos. Madrid: Ediciones asimétricas, 2020. ISBN 9788417905668.
- Murcutt, Glenn. Glenn Murcutt: thinking drawing /working drawing. Tokyo: Toto, 2008. ISBN 9784887062948.
- Lepik, Andrés. Small scale, big change: New Architectures of social engagement. NE YORK: MOMA, 2010. ISBN 9780870707841.