

Course guide

210727 - AI - Architecture and Creativity

Last modified: 24/07/2025

Unit in charge: Barcelona School of Architecture
Teaching unit: 735 - PA - Department of Architectural Design.

Degree: MASTER'S DEGREE IN ADVANCED STUDIES IN ARCHITECTURE-BARCELONA (Syllabus 2015). (Optional subject).
MASTER'S DEGREE IN ARCHITECTURE (Syllabus 2015). (Optional subject).

Academic year: 2025 **ECTS Credits:** 5.0 **Languages:** Spanish

LECTURER

Coordinating lecturer: BERTA BARDÍ MILÀ

Others: Segon quadrimestre:
BERTA BARDÍ MILÀ - PPP2

TEACHING METHODOLOGY

Exposure method / Master class
Participatory expositive class
Seminar / Workshop
Autonomous work

LEARNING OBJECTIVES OF THE SUBJECT

The subject aims to build with words. It aims to clarify the nature of the different types, formats and genres of writing associated with research in architectural projects, whether theoretical articles, opinion articles, review articles, reviews, interviews, reports, replies to already published articles, etc. to focus on scientific texts.

But for a text to be considered a scientific article, it has to meet certain characteristics and respond to a reason. One of the characteristics is the fact that it has to be original (communicate for the first time the result of an investigation), that is, provide some new knowledge. The results presented must be valid and reliable, they must be written in clear and precise language and, above all, they must use a methodology with instruments and procedures that have been demonstrated to be scientifically valid.

STUDY LOAD

Type	Hours	Percentage
Self study	87,5	70.00
Hours large group	37,5	30.00

Total learning time: 125 h

CONTENTS

Invention and architecture

Description:

The subject is structured in sessions of various formats: seminars, expository sessions and debate sessions. In the sessions, several texts will be worked on, all of them published and available in the library and on the Atenea portal. This facilitates discussions in the sessions and allows the topics of the classes to be advanced and improved understanding. Normally, at the beginning of the sessions, some example of a text or critical reference document is analyzed, while the second part is dedicated to a collective exhibition.

Specific objectives:

- Recognize and analyze the parts of a scientific text.
- Convert a text about an architectural project into a scientific article.
- Project the critical analysis of a work from the structure of the text, graphic documentation and reference sources.
- Write a scientific article about an architectural work or a complex, with a view to the TFM and professional development.

Related activities:

During the different sessions, critical reference texts will be analyzed and dissected, to finally arrive at the individual construction of a scientific article. This work will focus on one or several works. To prepare this document, we will start from existing texts by reference authors such as Rafael Moneo, Juan Antonio Cortés or Maria Teresa Muñoz, based on specific works and projects, but which have not been written as scientific articles. These already prepared texts, which will be chosen from a list provided, will help to build a coherent discourse about a contemporary project. The challenge will be to prepare a writing with structure, format and content about a work of contemporary architecture, of about 2500 words, that meets all the requirements requested by an indexed journal.

Full-or-part-time: 125h

Theory classes: 15h

Laboratory classes: 30h

Self study : 80h

GRADING SYSTEM

CONTINUOUS EVALUATION

In order to be evaluated, a minimum of 80% of the course sessions must be attended. Based on this requirement, the active participation in the different dynamics of the course is assessed, on the one hand, and the final individual work, on the other. The weighting is 40% for attendance and active participation, and 60% for the final work.

Continuous assessment:

The continuous assessment will be carried out based on the work that the students will develop during the course, through exercises and delivery of work, according to the criteria and calendar established.

Final assessment:

If the results of the continuous assessment are not positive, it will be possible to perform a second evaluation which will consist in a global final test that can consist in a written or oral exam or the delivery of jobs, in accordance with the criterion of the responsible teachers.

BIBLIOGRAPHY

Basic:

- Capitel, Antón. Sobre arquitectura moderna y contemporánea: una antología. Buenos Aires: Diseño, 2016. ISBN 9789874000231.
- Colquhoun, Alan. Modernidad y tradición clásica. Madrid: Júcar, 1991. ISBN 8433470337.
- Gideon, Sigfried. Escritos escogidos. Murcia: Colegio Oficial de Aparejadores y Arquitectos Técnicos, 1997. ISBN 8492017791.
- Cortés, Juan Antonio. Nueva consistencia: estrategias formales y materiales en la arquitectura de la última década del siglo XX. Valladolid: Secretariado de Publicaciones e Intercambio Editorial, Universidad de Valladolid, 2003. ISBN 848448226X.
- Martí Arís, Carlos. La cimbra y el arco. Barcelona: Fundación Caja de Arquitectos, 2005. ISBN 8493370185.
- Moneo, Rafael. Inquietud teórica y estrategia proyectual en la obra de ocho arquitectos contemporáneos. Barcelona: Actar, 2004. ISBN 8495951681.
- Moneo, Rafael. Nuevos intereses, otros discursos sobre la obra de Rem Koolhaas, Herzog & De Meuron, Sanaa, David Chipperfield: clases dictadas en la Escuela de Arquitectura de la Universidad de Navarra: curso 2012-2013. Pamplona: C2C Proyectos editoriales de arquitectura, 2019. ISBN 9788494767869.
- Montaner, Josep Maria. Arquitectura y crítica. Barcelona: Gustavo Gili, 2007. ISBN 9788425217685.
- Muñoz, María Teresa. Textos críticos. Madrid: Ediciones Asimétricas, 2018. ISBN 9788494791598.
- Quetglas, Josep. Artículos de ocasión. Barcelona: Gustavo Gili, 2004. ISBN 8425212520.
- Rowe, Colin. Manierismo y arquitectura moderna y otros ensayos. Barcelona: Gustavo Gili, 1999. ISBN 8425207231.
- Rojo de Castro, Luis. La arquitectura también se escribe: entre la crítica y la investigación. Madrid: Ediciones asimétricas, 2024.
- Ábalos, Iñaki. Absolutos principiantes. Barcelona: Puente editores, 2024.

RESOURCES

Hyperlink:

- Intranet Docent. <https://atenea.upc.edu/moodle/login/index>