**UNIVERSITAT POLITÈCNICA DE CATALUNYA BARCELONATECH**

# Course guide
# 290808 - IADR2 - Introduction to Architectural Design-Based Research II

**Last modified:** 08/07/2025

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

**Degree:** MASTER'S DEGREE IN ARCHITECTURAL DESIGN ECOLOGY IN THE DIGITAL AGE (Syllabus 2025). (Compulsory subject).

**Academic year:** 2025    **ECTS Credits:** 3.0    **Languages:** English

## LECTURER

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| **Coordinating lecturer:** | Academic Coordination: Lluís Ortega |
| **Others:** | Teaching faculty: |
| | Lluís Ortega, Roger Sauquet, David López, TBA |

## PRIOR SKILLS

No previous skills required

## REQUIREMENTS

No previous skills required

## TEACHING METHODOLOGY

Classes will consist of seminar format with individual presentations and critical collective debates

## LEARNING OBJECTIVES OF THE SUBJECT

K4.1 Identify the necessary methodology for research framed within the architectural project.
K4.2 Identify basic references and procedures necessary for research framed within the architectural project.
S1.1 Relate critical arguments and architectural proposals in the design process.
S2.1 Formulate a research topic that contributes to the expansion of personal and disciplinary knowledge.
S4.3 Synthesize the project's arguments and description orally, graphically, and in writing.
S8.1 Formulate a research topic that contributes to the expansion of personal and disciplinary knowledge.
S8.2 Formulate a research topic to apply competencies and knowledge related to entrepreneurship, organization, and technology-based business development.
C2.2 Apply advanced modeling and fabrication technologies in the development of design research.
C6.1 Manage the visualization of data and information necessary for the development of the architectural project in systemic terms.
*k (knowledge); S(Skills); C (Competences)

## CONTENTS

### INTRODUCTION TO ARCHITECTURAL DESIGN-BASED RESEARCH II

**Description:**
Students will present and discuss their individual research developed within the framework of MADE. After each presentation, critical discussions will follow to encourage collective reflection, well-founded argumentation, and peer feedback, with the aim of enriching the quality and coherence of each project.

**Full-or-part-time:** 75h
Practical classes: 32h
Self study : 43h

## GRADING SYSTEM

Clarity of Presentation: Ability to communicate research ideas visually, verbally, and in writing.
Critical Engagement: Active participation in discussions with relevant and thoughtful contributions.
Responsiveness: Ability to integrate feedback into the research process.
Academic Rigor: Quality, depth, and originality of research content demonstrated during presentations.

## EXAMINATION RULES.

Grading system.
Individual oral presentations with graphic support. 70%
Participation on the critical discussions. 30%

## RESOURCES

**Other resources:**
https://bibliotecnica.upc.edu/en/investigadors/formacio-externa  />https://dadesrecerca.upc.edu/ca/tutorials
/>https://guies-bibliotecnica-upc-edu.translate.goog/com-citar/inici?_x_tr_sl=ca&_x_tr_tl=en&_x_tr_hl=ca&_x_tr_pto=wapp