# Course guide
# 290277 - DIGARQ - Digitization of Architecture

**Last modified:** 18/07/2024

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| **Unit in charge:** | Vallès 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:** 2024  **ECTS Credits:** 4.0  **Languages:** Catalan

## LECTURER

**Coordinating lecturer:** Fabré Nadal, Martina

**Others:** Giner Olcina, Josep

## PRIOR SKILLS

It is required that students have an interest in the field of digitalization and previous experience in programming.

## TEACHING METHODOLOGY

Lectures and development of a practical exercise throughout the course.

## LEARNING OBJECTIVES OF THE SUBJECT

The ability of artificial intelligence applications to integrate and handle the historically significant or critically consistent contents of architectural images is notoriously underdeveloped, and there are objective reasons for this: these contents, beyond encyclopedist dreams, are are in constant change. However, it should be possible to manage to use these resources productively also in this territory, and the subject is proposed with the intention of working on it from a very limited and specially controlled number of study cases - with the idea that having to formalize the relevant information is already progress in absolute terms.

## CONTENTS

### title english

**Description:**
Experimental course that seeks to analyze canonical images of architecture through the critical use of Artificial Intelligence tools. Through the practice of processes such as imitation or exhaustive description, along with the analysis of the course bibliography, questions will be raised in class about the role of style in contemporary architecture and the importance of precedents.

**Full-or-part-time:** 45h
Theory classes: 22h 30m
Practical classes: 22h 30m

## GRADING SYSTEM

Continuous assessment and final submission

## BIBLIOGRAPHY

**Basic:**

- Mario Carpo. "Formal Analysis, Generative AI and the Eternal Return of Precedent". Log 58. 133-139.
- Mario Carpo. Beyond Digital: Design and Automation at the End of Modernity. The MIT Press, 2023.
- Mario Carpo. The Alphabet and the Algorithm. The MIT Press, 2011.
- As, Imdat i Prithwish Basu . The Routedge Companion to Artificial Intelligence in Architecture. Londres i Nova York: Routledge, 2021.

BIBLIOGRAPHY