

**Professors:**

João Pedro Costa (coord.), Alessia Allegri, Carlos Ferreira, Carlos Macedo, Filipa Serpa, João Figueira, Jorge Mealha, José Nuno Beirão, Madalena Cunha Matos, Margarida Louro.

## PROGRAMME OF CURRICULAR UNIT

# LABORATÓRIO DE PROJETO II

### GOALS

To consolidate design practices that shall allow sustained intervention in real conditions as well as the development of architectural objects of intermediate complexity, taking into consideration cultural information on the domain of architecture, specific information pertaining to the site, programmatic guidelines and disciplinary know-how.

This unit's approach to the project acknowledges that design know-how is grounded in the permanent and critical assessment of its hypothesis, as a central element of decision-making. Thinking and making in a continuous and dynamic way are inherent steps of the architectural design process.

### PROGRAMMATIC CONTENTS

The syllabus is structured through a number of analytical and design exercises developed in relation with the generic theme of housing.

The theme focuses particularly on the development of an analytical exercise and two design exercises considering small scale housing programs/domestic space. Thematic development includes issues such as: composition / server space and served space; functional space and visual space; equipment and furniture; design context / comfort; structure and distribution; flexibility and adaptability; accessibility and outside space; materiality and language; unit and aggregation; design process.

The work and reflection on the design process unfolds in the following phases:

**Exercise 1 – “HABITÁCULO”** - Analysis of examples of small architectural spaces, providing skills to critically understand architecture through observation and representation;

**Exercise 2** – Design of a **PROTOTYPE** [understood as concept and as model] able to be grouped and multiplied (vertically and horizontally), through a process of **AGREGATION**;

**Exercise 3** – Design of a form of **AGREGATION**, taking the **PROTOTYPE** as a basic unit to develop a combined system of architectural structures and elements – i.e., a **SYSTEM**.

## COMPETENCIES TO BE ACQUIRED BY THE STUDENTS

Developing the skills to articulate and express ideas through the project; Developing the consciousness and the tools necessary for carrying on the project; Developing the capacity to adjust functions and spaces to qualified living environments; Developing collective housing as a system of repetition; Developing housing as an urban function and system.

## BIBLIOGRAPHY

ÁBALOS, Inaki, *A boa-vida - Visita guiada às casas da modernidade*, Editorial Gustavo Gili, 2003;

AICHER, Otl, *La cocina para cocinar – El final de una doctrina arquitectónica*, Editorial Gustavo Gili, 2004;

DI MARI, Anthony – *Conditional Design*, BIS Publishers, 2019

DI MARI, Anthony e YOO, Mari – *Operative Design*, BIS Publishers, 2018

GALFETTI, Aurélio, *Pisos Piloto, Células domésticas experimentales*, Editorial Gustavo Gili, 1997;

HABRAKEN, J., *El diseño de soportes*, Editorial Gustavo Gili, 1984;

KREBS, Jan, *Design and living*, Birkhäuser, 2007;

MONTEY, Xavier, e FUERTES, Pere, *Casa Collage, Un ensayo sobre la arquitectura de la casa*, Editorial Gustavo Gili, 2001;

OANERO, Julius e ZELNIK, Martin, *Las dimensiones Humanas en los espacios interiores. Estándares antropométricos*, Gustavo Gili, 1979;

VÁRIOS, *Aprendiendo de todas sus casas*, Edicions UPC, 1996; VÁRIOS, *Introducción a la arquitectura. Conceptos fundamentales*, Edicions UPC, 2000.

## EVALUATION

Besides the FA Evaluation Rules in force, all aspects of student's participation throughout the semester, in practical and theoretical exercises, in class discussions and other contributions to the development of the work, individually or in group, will be taken in consideration.

**Professors:**

João Pedro Costa (coord.), Alessia Allegri, Carlos Ferreira, Carlos Macedo, Filipa Serpa, João Figueira, Jorge Mealha, José Nuno Beirão, Madalena Cunha Matos, Margarida Louro.

Assessment parameters are specified in the program of each exercise.

This continuous, daily, assessment is complemented through the public presentation and assessment of the semester's work.

Exercise 1 – 10%

Exercise 2 – 35%

Exercise 3 – 45%

Participation, Attendance, Class performance – 10%

Lisboa, September 28th, 2021