

Degree course:

Masters of Architecture

Course code: **1001150**

Lecturer: **Prof. Ottavio Amaro**

Course name: **Progettazione**

Architettonica 3

Disciplinary area: **Architectural and
Urban Design**

Disciplinary field of science:

**ICAR14 - Architectural and Urban
Composition**

University credits – ECTS: **8**

Teaching hours: **80**

Course year: **5**

Semester: **First**

CONTENTS

1_DESCRIPTION

The educational objectives relate to the need for design synthesis to be achieved in the 5th year of the degree program. That said, it is intended to pursue an awareness of design as a theoretical and practical complexity, a moment of synthesis between functional, tectonic, and formal relationships within a specific context. The role of architecture in the improvement and enhancement of places and living in a broader sense is brought back to the ability of the project to intervene especially in hybrid contexts, where modification is confronted with multiple urban, landscape and environmental aspects. In this light, synthesis is spoken of as the ability to combine the different areas of knowledge and therefore the different interdisciplinary aspects related to the project of Architecture in its need to become form and construction.

Specifically, the course will be structured around three aspects:

- Context: How to reconsider urban contexts with reference to social, economic, energy and environmental sustainability changes;
- City: How to interpret, in a disciplinary sense, the meaning of 'Urban Regeneration', out of the media definition of the term, and related, on the contrary, to the new sense of living and the need to respond to the typological and urban disintegration of the contemporary city;
- Architecture: The Role of Architecture as a New Synthesis of Expression in Current Dynamics.

2_COURSE PROGRAMME

Starting from the general training objectives aimed at the requirement of the project as a moment of synthesis between theoretical foundation, expression of form and functional program, the course proposes the theme of social housing: Habitat solidale: cooperative housing project in Reggio Calabria. In particular, a design application capable of reflecting on the dual aspect is expected:

- The redevelopment of a part of the city still suspended in a hybrid condition of non-city and non-suburb, but undergoing a strong transformation, also in anticipation of new allocations of public facilities with a strong volumetric and functional impact: new metropolitan hospital.
- The proposition of a cooperative housing project as a formal expression of a new concept of living, responding to epochal social changes (family, immigration, temporariness, etc.).

The course focuses on integrating the theoretical and practical aspects underlying the project, declined in three phases:

- Theoretical lectures on the contemporary city in light of new demands for sustainability and dialectics with new building and urban scenarios that require new readings and interpretative tools;
- In-depth lecture on the concept of place with reference to the specific context of the city of Reggio Calabria;
- Practical design experimentation through classroom exercises and final workshop. The practical experimentation will follow the process of project construction in its scalar, functional and figurative meaning through the forms of drawing as forms of architecture. The exercise will be completed with the drafting of the residential building project at the appropriate scale and a 3,000-paragraph text file on the theoretical description of the project and its figurative references.

3_EXPECTED RESULTS

The expected results relate to the acquirement of the idea of design as a complexity of integrated relationships: territorial, landscape, urban, functional and environmental that have, in the architectural form, the most direct and significant synthesis.

In this light, the student is required to use and have the ability of specific disciplinary tools that, starting from the awareness of architectural, urban and territorial processes, are capable of responding to evolutionary expressive connotations in harmony with the current changes and a critical capacity for dialoguing, without flattening, with productive and technological systems.

Knowledge and understanding;

Through theoretical study on the contemporary city and on design examples of housing, the student will acquire knowledge of national and international scenarios in the dual need for awareness of the field of investigation and critical understanding of significant experiences;

Applying knowledge and understanding;

The course proposal of a theme and thus a concrete and subjective design action in the field of residential architecture constitutes the field of verification and application of theoretical and practical knowledge assigned in the first phase of the course.

Making judgements;

Autonomy of judgment is tested and verified through the specific design of a residential settlement, placed in its functional, spatial and contextual variables. These variables constitute parameters for evaluating the critical capabilities of the student's choices in the scope of awareness of the context and the city, response to a specific housing demand, and relationship to place.

Communication skills;

The student's communication skills will be measured on several levels: use of the forms of invention and representation of the project in both a two- and three-dimensional sense, in the idea that drawing writes and does not transcribe the project. These together with the ability to organize and insert the project in its representational form for the communication and transmission of figurative, spatial, and structural content.

Learning skills;

The final exam should ascertain the degree of linguistic, compositional and process autonomy the student has acquired in the various phases of the course, in the field of architecture and architectural composition, through the specific theme of a contextualized residential settlement.

SPECIFIC COURSE OBJECTIVES

In order to achieve the expected results for the course program and the proposed experimentation, the educational offerings articulated in the different activities pursue the following objectives:

- *Qualifying educational objectives:* theoretical and practical ability and autonomy to manage the project under the various figurative, functional and contextual aspects
- *Specific training objectives:* ability to interpret the public housing project in its integrated architectural, social, environmental, regulatory and economic relations

ACCESS REQUIREMENTS

As a regulated prerequisite, it is necessary to have passed the Architectural Design Workshop 1 exam. On the skills level, an ability to synthesize the different knowledge and disciplines covered in the previous years is required: figurative and cultural background in the field of history of Architecture and art, interpretative ability of the city and contexts, relationship between structure/technology/architecture, use of drawing forms (manual and digital) as forms of design invention and representation.

TEACHING METHODS

1_ COURSE STRUCTURE AND TEACHING

Lectures: (hours/year in classroom): 30

Exercises: (hours/year in classroom): 30

Practical activities: (hours/year in classroom): 20

Other:

As per the teaching schedule, the course will be taught in the first semester

2_ AUTONOMOUS LEARNING OF THE STUDENT

1 cfu=25 hours (10 hours face-to-face/15 by the student*)

- In-depth study/study on bibliography (theoretical part) 40

- Preparation of tests (experimentation) 40

- Preparation of final exams 40

ASSESSMENT METHODS

- **To be conducted in the week at disposal from the calendar (art.18 paragraph 3)

1_ mid-term verification on the program on lectures and seminars (Jan. 8-12, 2024)**

2_ final verification - Final Review/ WORKSHOP (May 13-31, 2024)**

Modality of conducting the examination: Theory/Practice

The examination is in individual or group form and can be taken upon verification and evidence of classroom attendance in numbers not less than 70% of the hours established by the class schedule. The examination consists of the exhibition and discussion of project boards, interviews on theoretical topics also covered in the recommended bibliography, and evaluation of intermediate and accumulated elaborations during classroom exercises and workshops.

RECOMMENDED TEXTBOOKS

Theorists:

- O. Amaro (2020), *Quale misura per l'invisibile*, in "FaMagazine" n. 52/53
- G. Neri, O. Amaro, a cura di, *Forme dell'energia*, Kaleidon editrice, RC 2010
- Inaki Abalos, *Il buon abitare. Pensare le case della modernità*, Marinotti ed., MI 2009

Experimentation:

- A. F.L. Baratta, F. Finucci, L. Montuori, V. Palmieri, *Abitare la condivisione. Un confronto divulgativo sul tema dell'abitare e della condivisione*, Clean ed, 2017
- L. Garsia, *Abitare la rigenerazione urbana. La misura della città e della casa nel XXI secolo*, Gangemi ed. Roma 2015

Theme of the year:

- *Le trasformazioni della residenza urbana*, Rassegna di Architettura e Urbanistica n. 132, 2010
- O. Amaro, *Le forme dell'abitare sociale. Dall'INA-CASA al social housing: quali processi innovativi per la Calabria*, in F, Schepis, a cura di, *Carta per l'edilizia sociale sostenibile in Calabria*, Rubbettino, 2020

A specific bibliography will be provided for each theoretical lecture.

The course will also provide the basic cartographic materials for the design exercise.