



COURSE DESCRIPTION ARCHITECTURAL AND URBAN DESIGN

SSD: COMPOSIZIONE ARCHITETTONICA E URBANA (ICAR/14)

DEGREE PROGRAMME: ARCHITETTURA (N14)
ACADEMIC YEAR 2022/2023

COURSE DESCRIPTION

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GENERAL INFORMATION ABOUT THE COURSE

INTEGRATED COURSE: 07142 - LABORATORIO DI SINTESI FINALE
MODULE: 15587 - PROGETTAZIONE ARCHITETTONICA E URBANA
CHANNEL: 03 Cognome A - Z
YEAR OF THE DEGREE PROGRAMME: V
PERIOD IN WHICH THE COURSE IS DELIVERED: SEMESTER I
CFU: 8

REQUIRED PRELIMINARY COURSES

Laboratorio di Composizione Architettonica e Urbana 4/Lettura morfologica Progettazione di sistemi costruttivi/Tecnologia del recupero edilizio Laboratorio di Urbanistica Scienza delle Costruzioni Fisica tecnica ambientale Estimo ed esercizio professionale

PREREQUISITES

The student is required to be able to critically read and interpret the complexity of the places and urban realities under study to identify possible design strategies for their transformation. The activity conducted must be guided by a predisposition to updating and improving one's knowledge through bibliographic studies and design research that feeds constant comparison with the national and international contemporary architectural panorama.

LEARNING GOALS

The Final Design Studio represents the latest academic commitment in the field of architectural and urban design of the students of the single-cycle Master's Degree in Architecture; it is

configured as the moment of verification of the cultural and practical skills of the students and must be understood as the test of passage to the world of work. The course aims to strengthen the student's design skills in consideration of the complexity of the contemporary role of the architect in the design process, both from a cultural and operational point of view. The other integral disciplines, urban planning, and executive planning, with environmental economics and evaluation, environmental control techniques and construction techniques, have a decisive role in the development of the exercise of knowledge and of the architectural project intended as a composition of knowledge, tools, and techniques, providing tools and methods for the definition of the architectural project from the urban to the detailed scale. The studio intends to offer, around a single design experience, the synthesis of skills and knowledge on the architectural project, giving students the opportunity to deal with a theme that focuses on the social role of architecture. The aim of the teaching of Architectural and Urban Design is to enable the student to measure himself concretely with reality through the deepening of a theme that favors a transversal reading of the central issues in the transformation of reality, within a research program that has been carried out for some years and sees the Department of Architecture as one of the reference points at a national and international level: the object of study and place of experimentation of the laboratory is the prison, a control device taken as a symbol of the multiplicity of aspects that make up the penitentiary universe, and which articulates a large number of issues closely related to architecture and ways of conceiving and inhabiting space.

EXPECTED LEARNING OUTCOMES (DUBLIN DESCRIPTORS)

Knowledge and understanding

Knowledge and understanding That of the spaces of confinement is a difficult issue due to the complexity of the general conditions with respect to the physical and social context, the spatial device, the human and political components that come into play, due to the objective difficulties from a psychological point of view. We enter another world, unknown to most, and we do so by reasoning about the spatial conditions in which people condemned to the deprivation of personal freedom are forced. Students are encouraged to understand prison as a great architecture, to be studied and understood before carrying out a transformation consistent with a prison model different from the current one. Reflecting on a possible transformation of the existing detention spaces thus offers the possibility of testing students' abilities to interpret existing places, with particular attention to the existing building stock, the functioning of the different parts and the relationships between the spaces. In this sense, knowledge and understanding are based on:- the construction of the demand that drives the transformation linked on the one hand to the real needs of the community that inhabits the places and, on the other, to the idea of detention established by the Constitution;- the development of a methodology of knowledge and reading of places guided by phenomenological and morphological approaches, aimed at identifying criticalities and potentialities, prefiguring possible design themes;- the ability to control the design process and the different scales;- the ability to operate, in the architectural and urban composition, a synthesis of the complexities involved in the project, intertwining the different areas of specialist competence (urban planning, construction, plant engineering and energy, environmental, structural, economic and evaluation).

Applying knowledge and understanding

Applying knowledge and understanding The results of the project summaries will be illustrated both through the elaboration of the tables, books, and models for the final exam. Students will have to demonstrate the achievement of a high level of awareness, autonomy, responsibility, and design dexterity throughout the workshop. The student will have to act as an active interlocutor demonstrating that he is able to autonomously interpret themes and places under study. You will have to demonstrate that you are able to carry out research and experiments independently and that you can understand and critically judge the accuracy or any gaps. You will need to be able to interact not only with the teacher but also with fellow students for the construction and sharing of knowledge and projects. In the context of moments of confrontation with other teachers and students outside the laboratory or with other subjects outside the University invited to present and / or discuss themes and places of the project, the student must be able to explain the methodological approach and present the documents in a clear and concise manner.

COURSE CONTENT/SYLLABUS

The place of the design experimentation of the Final Design Studio C is the "prison", the main device of criminal execution, characterized by a multiplicity of specific issues which, in turn, branch out further in relation to the different types of institutes and structures built which constitute the consolidated document of this particular "built landscape", in terms of location-relationship with the context, capacity-size, historical period of construction, state of maintenance, characteristics of the people who live in it-prisoners, who work there policemen- operators and many others. The "prison phenomenon" in its entirety gives back a microcosm in the civil life of the country, the reading of the characters, the interpretation and the understanding of the critical aspects is substantiated and made significant, by the concrete confrontation with institutions, citizens, operators in the sector, but also from the revival of a central project theme for civil architecture and indispensable for the recovery of a social role for architecture. The studio deals with the themes of the transformation of the existing, the recovery and maintenance of the penitentiary assets, relations with the context. Through the architectural project, the configuration of the prison architecture is experimented, reflecting on the complex system of relationship between the prison building and the city to go beyond the conception of the container and design spaces and articulations that keep the recluse at the center and its needs.

READINGS/BIBLIOGRAPHY

The didactic material provided to the students will be both of an investigative type in the survey area, so that the project work can begin immediately. Disciplinary and bibliographic research and documentation are provided as support for the definition of the design approach methodologies and knowledge of the assigned topic.

TEACHING METHODS OF THE COURSE (OR MODULE)

The work of the studio will be organized in different phases that see a first period of choral work, for the deepening of the issues of knowledge of the place and of the theme and of the specificities

of the architecture of the prison through inspections, description and interpretation, to the restitution phases. through different models and techniques of representation; students will choose the theme of the project which will be developed in groups. The laboratory dimension will be central, with a weekly day dedicated to classroom work; during the year, the course will be articulated through the alternation of lectures by the teacher with interventions by external guests, who will offer different contributions, with which students will be able to build individual training courses, get in touch with the different actors of the reality object of study, address the complexity of the design process. There are four successive stages of in-depth study of the design process:- Knowledge and interpretation of the place under study;- Definition of the first project ideas;- Development of the project idea;- Deepening and definition of the details of the project. Intermediate meetings are planned in which each stage of progress will be discussed by the students with the teachers of the integrated courses of the studio. Students will be engaged in distinct forms of exercises with different techniques that all contribute to the development of the final project, each of these will be part of the final presentation; from the first lesson each will have a personal carnet de voyage, a sort of diary of the project experience and its gestation that will testify to the process and the profuse commitment.

EXAMINATION/EVALUATION CRITERIA

a) Exam type

- Written
- Oral
- Project discussion
- Other

In case of a written exam, questions refer to

- Multiple choice answers
- Open answers
- Numerical exercises

b) Evaluation pattern

The final exam will consist in the discussion on the project theme, on the ways in which the proposal was set up and articulated and finally on the design solution adopted. Particular attention will be paid to the student's capacity for critical and graphic-expository synthesis and to the methods and degree of integration of the different aspects of the project (technological, environmental, economic, etc.).