



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: 02 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 will have to demonstrate a predisposition to the reading and the critical-interpretative project of complex urban realities, through which to set transformation strategies as cognitive tools revealing existing and potential relational fields. The curiosity and the desire for constant updating and improvement, about both knowledge and skills, instrumental and cultural, as well as of the design experimentation to be carried out, will have to distinguish the design work in all its process, to be carried out both in the context of the course activities and through bibliographic and design

research and a comparison with the international contemporary architectural panorama.

LEARNING GOALS

The Final Design Studio consists of the following courses: Architectural and Urban Design, Urban Planning, Construction Technique, Environmental Control Technique, Executive Design of Architecture, Economics and Environmental Assessment. The multiplicity of the aspects allows students to develop a proposal for the transformation of the existing by deepening the various levels of complexity of the project in its entirety.

The Final Design Studio's objectives are:

- to increase the students' design skills through a critical-interpretative approach to places, and methodological-experimental approach for the intervention strategy;
- to provide methods and tools to tackle the architectural project by controlling the process of definition and development from the urban to the detailed scale.

The aim of Architectural and Urban Design course is to convey to the student a critical-interpretative methodology that directs towards the operational practice of architecture, aimed at:

- identifying programs of specific architectural interventions correlated with each other by systemic, structural and perceptive logics, capable of transforming urban and natural landscapes by reinterpreting the constraints, potential and aspirations of a community;
- the experimentation of architectural syntheses with landscape value through an inter-scaling compositional control of the different degrees of complexity of the project as well as the intertwining of the various specialist areas of expertise, including the assessment of feasibility and implementation procedures in the construction of architecture.

EXPECTED LEARNING OUTCOMES (DUBLIN DESCRIPTORS)

Knowledge and understanding

The reflection on the public dimension of urban living expresses the potential of the different interpretative declinations of the architectural project in the joint enhancement of urban settlements in terms of landscape, with particular reference to spaces, infrastructures and public buildings. In this sense, knowledge and understanding are based on:

- the construction of the demand as an identification of the specific architectural themes posed by the context and by the communities;
- the methodology of interpretative analysis of contexts guided by both perceptual and structural approaches, oriented by the thematic/design prefigurative hypotheses and aimed at revealing their potential;
- an ever greater mastery in the simultaneous control at various scales of the different degrees of complexity of the project intended as a design synthesis of the processes of different nature that contribute to the construction of architecture;
- the ability to synthesize in the compositional articulation of architectural and urban spatiality the intertwining of the various areas of specialist expertise (environmental, urban, construction, structural, plant and energy, economic).

During the course of the laboratory the teachers organize and/or propose to the students discussions with other teachers and students or with external subjects whose contribution can

broaden the field of investigation and knowledge or, again, suggests autonomous participation in initiatives of particular interest with respect to the topics covered in the design studio.

Applying knowledge and understanding

The results of the projects will be shown both through the elaboration of tables, portfolios and models for the final exam and through the active participation in the construction of the open access publication of the results of the Laboratory (for FedOA Press, <http://www.fedoabooks.unina.it/index.php/fedoapress/catalog/series/ads>). The students must demonstrate the achievement of a high level of autonomy, responsibility and design dexterity throughout the entire design process.

The student must act as an active interlocutor demonstrating that he is able to autonomously interpret themes and places under study. Must demonstrate that he/she is able to carry out research and experiments independently and also that he/she can understand and critically judge the accuracy or any gaps. Must be able to interact not only with the teacher but also with fellow students for building and sharing knowledge and projects. In the context of moments of confrontation with other teachers and students outside the studio 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

Each year the Final Design Studio B focuses on a municipality in the Campania region. Starting from the critical issues of the territory and the choice of a specific area of study, the project proposals will be articulated and structured in an interdisciplinary and multi-scalar way with the systematic integration between the modules of the courses involved. The identified themes will be developed by relating the architectural structure to the urban, morphological, environmental, social and economic characteristics of the territory, in the choice of the program, in the definition of the system of relations, accessibility and mobility, in the articulation of open and closed spaces, with the aim of defining complex and innovative design solutions.

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 and be constantly supported by research and documentation, and of a disciplinary and bibliographic type for the definition of the design approach methodologies.

TEACHING METHODS OF THE COURSE (OR MODULE)

The Design Studio provides a cycle of theoretical lessons related to the project that are intertwined with the development of design activities. The lessons will be aimed at guiding students in the definition of spatial configurations also in light of the main territorial regulatory guidelines. As part of the studio activities, collective and individual comparisons are envisaged, punctuated by periodic deliveries articulated by successive phases of study such as:

1. knowledge and interpretation of the study area;
2. definition of the first compositional hypotheses;
3. specification/critical evaluation of the project solution(s);
4. development and details.

Each stage of progress will be discussed together with the teachers of the modules of the courses integrated into the studio. The work will be carried out for small groups of students in a first phase of analysis, research, retrieval and organization of materials useful for the creation of a collective database. Once this phase is completed, each student will have to define their own project theme and the area of intervention, which they will develop individually but with continuous collective discussion for the progress of the project.

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 modalities with 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.).