

Degree course	Architecture
Course code	SAR17
Lecturer	Antonella SARLO
Course name	Urban Planning
Disciplinary area	B
Disciplinary field of science	ICAR/21
University credits - ECTS	6CFU (Studio Urbanistica 2 - 12CFU)
Teaching hours	60
Course year	IV
Semester	I°

Synthetic description and specific course objectives

The courses of Urban Design and Urban Planning are parts of Laboratory of City Planning 2 which, included in the 4th year of CdS, contributes to the training of the European architect in correspondence with qualifying aims of Class LM4.

The Laboratory of City Planning 2 contributes to the attainment of knowledge:

- On the theoretical-scientific, methodological and operational aspects of urban planning;
- on the tools aimed at using such knowledge to identify, formulate and solve complex problems of the city and the territory.

The qualifying training objective of the courses and the Laboratory as a whole is the integration and interpretation of knowledge of urban and territorial phenomena and dynamics aimed at defining the design synthesis process.

The specific training objectives tend, considering that the drafting of general municipal, wide area and implementation plans falls within the competence of the Architect, to provide the basics and specific knowledge on which urban planning is based. Special attention will be paid to the issues that structure the design of the contemporary city and the technical methods of design, also with reference to the relevant national and regional legislation.

The Course will also provide, through design experimentation, knowledge on the study of the changes affecting urban systems, on the tools and methods of approach to urban design, on innovative programs in urban areas, and on the relationships between changes in society and the spatial arrangement of the city.

Course entry requirements

In order to make the exam of *Laboratory of Urban Planning 2* the student must have passed the exam of Urban Law (first year), Laboratory of Urban Planning I (within second year).

In particular, he must have right basic knowledges concerning with:

- main concepts and theoretical themes concerning with the role of urban and territorial planning;
- history of modern urban subject and of main steps of the process of construction and formation of the disciplinary corpus of urban planning;
- ability to produce a right cartographic representation of urban and territorial events
- knowledge of fundamental principles of urban technique;

fundamental elements of the urban legislation on national and regional level.

Course programme

Urban Planning Laboratory 2 consists of the teachings of Urban Planning and Urban Design; the teachings in the Laboratory will provide students with advanced knowledge in reading and evaluating spatial and urban settlements from the perspective of environmental, social and economic sustainability and settlement resilience.

The programs of the two courses are closely coordinated and are divided into the following modules:

The *Laboratory of Urban Planning 2* coordinates the two teachings courses of Urban planning and Urban Design, also the two programmes are strictly coordinated in three modules:

MODULE A: Wide area urban and landscape planning: standards, tools and design

MODULE B: Urban Design and local planning

MODULE C: Innovative policies and programs for urban dimension

Each module includes a part of theoretical study and a development of a project in a chosen territorial context.

For each modules, will be provided a theoretical framework on the main methodologies, projects and practices that regulate the transformation of physical, living and relationship spaces of the city and contemporary territories.

The topics of huge area planning, in Module A, will be developed with particular reference to the complex urban planning tools that affect the territory (from the Territorial Landscape Plans to the PTCP, to the Plans for the Metropolitan Areas). In this module the main concepts of the territorial project will be studied in depth and in advance will be carried out for the design practices. In particular we will focus on the methods of analysis and diagnostics of the territory, in relation to regulatory, environmental, economic, social, functional and relational aspects.

In Module B) the theme of general urban planning on a local scale will be developed, with particular reference to the Municipal Structural Plan. Through the module the students will learn the main concepts of structural urban planning and the main methodological and legislative knowledge for planning on a local scale.

In Module C) the theme of programs (European, national and regional) that funding innovative urban actions will be developed.

The Laboratory in its experimental phase will have a complex design experience carried out aimed at comparing strategic and programmatic visions with design visions capable of affecting the conformation quality of places. The proposed experience will be, in addition, an opportunity for a design approach that can offer a contribution to the resolution of one or more challenges of the contemporary city, in relation to the goals of Agenda 2030 and the European Urban Agenda.

The practical experimentation involves testing the design methodology for the drafting of an associated PSC aimed at the construction of a Master Program for the city of Locri, which fits into the complex architecture of the metropolitan city of Reggio Calabria. The vision of a polycentric arrangement structured on three 'urban load-bearing systems' seems to be a strategic vision on which to test new urban design paths.

The Urban Planning Laboratory 2, also seizing the opportunity offered by the Infrastructure DL of September 3, 2021, which provides for the establishment of a Fund for the municipalities of Southern Italy with a population of less than 30,000 inhabitants in order to hold competitions to acquire projects in the field of urban planning and social innovation, will experiment with a path of design experimentation aimed at structuring the 'City of Locri' also in light of the new opportunities offered by the programming tools (PNRR and Structural Funds).

Expected results

At the conclusion of the course, the student should have acquired the methodological knowledge, of use of rules, norms and tools useful for understanding the contemporary city, the construction of urban design and the definition of hypotheses for its implementation.

Specifically, the expected results using the Dublin descriptors are:

- Acquisition of knowledge and ability to understand and interpret spatial and urban systems to identify their structures, hierarchies and relationships;
- Acquisition of knowledge and understanding skills applied to the planning of urban development and parts of the city (rehabilitation of the existing city, environmental and functional redevelopment, rehabilitation of brownfields, etc.);
- Acquisition of independent judgment in dealing with issues of the complexity of the contemporary city and making judgments even on the basis of limited information;
- Acquisition of communication skills in project illustration and acquisition of interpersonal skills to control interlocution with specialist and non-specialist stakeholders;
- Acquisition of those skills of learning and experimentation that allow to continue to confront and with the multiple issues of urban design.

Course structure and teaching

The course is structured in lectures, seminars, practical classes, collective revisions and debates in class. The attendance is compulsory (for 70% of lessons), students have to enroll within the second lesson week;

attendances will be verified during every class.

Lectures (20 hours/semester in the classroom)

Lectures and seminars will address the multiple approaches aimed at reading and designing from the territory and urban space and provide the "tools" useful for defining their dimensions, materials, uses, relationships. The intent will be to outline a core of specificity and recognizability for a discipline such as urban planning, which has always been oriented toward contamination and dialogue with other knowledge and disciplinary bodies. The lectures will cover the tools, rules and norms that characterize and define contemporary urbanism.

Contents and comparisons between urban and implementation plans, between national and regional legislation and current innovations (through the reading of best practices), complex strategies and programs, and the main evaluation techniques will be reviewed.

Exercises and evaluation of progress (15 hours/semester in the classroom)

The Course includes collective exercise activities in which the results of the different work phases will be verified. In particular:

- At the end of October there will be an exercise/verification activity on the definition of the 'Work Program and the identified strategic project themes'
- At the end of the first semester, an exercise/verification activity will be held on the reading of settlement systems and non-urbanized territory, the identification of their internal and supra-local relations, the identification of relevant characters and spatial systems in their criticality and quality.

Practical activities (25 hours/semester in the classroom)

Practical and experimental activity "reading of case studies"

The exercise on reading and comparing case studies related to PSC aims to accompany working groups in analyzing and comparing good practices based on sound methodologies and critically identifying aspects of transferability to their project path. The exercise consists of a first part dedicated to the identification of the cases, the construction of the method of comparison and a second part dedicated to the identification of the aspects of transferability from the selected cases to the current design path.

Practical and experimental activity "Locride cityLab. A master program for the city of Locride."

The design experimentation represents the connecting element between the theoretical part and the laboratory and has as its founding objective the construction and application/verification of a methodology for the sustainable planning/regeneration of the city and the territory.

Practical / Workshops (*hours/year in lecture theatre*): 36

Along with the study and the research on arguments developed during the lectures students will be invited to do a practical class of Laboratory which is concerned with the testing of planning methodology for the drawing up of urban instrument on council scale with researches of operative nature on a municipality chosen by the student.

The practical activity will be structured in three work phases,

- CONSTRUCTION OF THE DIAGNOSTIC FRAMEWORK: reading of settlement, mobility and non-urbanized land systems, identification of their internal and supra-local relationships, identification of relevant features and spatial systems in their criticality and quality. This phase will end in the first week of March.
- CONSTRUCTION OF THE REFERENCE SCENARIO AND OBJECTIVE SCENARIO: prefiguration of the strategic and structural design of the possible future transformations of this territory. This phase will conclude in mid-April
- DEVELOPMENT OF TRANSFORMATION PROJECTS will be the subject of the last part of the Workshop, which will take the form of a final intensive workshop. This phase will conclude in mid-May.

The papers to be submitted to the final examination by each group are those submitted to the deliverables provided for each phase of work, systematized, reorganized and corrected according to the indications provided by the lecturer in the different moments of confrontation (reviews and workshops).

The scale of the individual representations should respond, from time to time, to the level of observation/project put in place, and follow the directions provided by the lecturer.

Schedule of activities:

- Lectures and seminars will be held throughout the duration of the Workshop.
- Tutorials and tests will be held in the last week of October and the second week of January.
- The planned practical activities will be conducted the first, in the first semester, and the second throughout

the year, respectively, according to the following deadlines:

- o Construction of the Diagnostic Framework to be concluded and delivered in the first week of March
- o Construction of the reference scenario and target scenario to be concluded and delivered in mid-April.
- o Transformation project to be concluded and delivered in mid-May.

Student's independent work

In order to face the final exam students have to: study and critically re-elaborate the contents of the course subject of lessons ex cathedra and seminary activity; do all the practices assigned. Time plan for individual study for these activities is esteemed in about 90 hours.

Testing and exams

Regarding the mode of testing, intermediate and final, the Course activities, include two stages of progress and related exercises/deliveries:

- The first is set at the end of October
- The second is set at the end of the first semester.

These are to be carried out with the most suitable modes of representation: reports, tables, power-point, etc.

Examinations will be conducted as follows:

- Colloquium on the theoretical topics covered during the lectures;
- Presentation and discussion of the papers produced during laboratory activities.

To take the final exam of the Urban Planning Workshop 2, it will be necessary to have attended the lectures of each of the two component courses, to have participated in the collective activities of the Workshop (lectures, seminars, workshops, reviews), and to have carried out the design experiment on the year's theme.

The examination will consist of an oral interview on the topics covered in the lectures and on the illustration and discussion of the graphic works inherent in the layout scheme the urban design of the study area on the basis of the seminar activity carried out during the activities of the Laboratory within the courses of which it is composed.

Suggested reading materials

Gaeta L, Janin Rivolin U. et Mazza L., *Governo del territorio e pianificazione spaziale*, Città Studi Edizioni, Milano, 2021

Gabellini P., *Le mutazioni dell'urbanistica. Principi, tecniche, competenze*, Carocci Editore, 2018

Gasparini C. e Terracciano A., *Dross City. Metabolismo urbano e progetto di riciclo dei drosscape*, List Milano, 2017.

Gehl J. (2010), *Cities for people*, Island Press, Washington

Numeri della Rivista Urbanistica

Normativa

Legislazione urbanistica nazionale

Legge n. 19 del 16 aprile 2002 e s.m.i.

Regione Calabria, *Linee Guida della Pianificazione Regionale*, 2008

Sitografia di riferimento e altro materiale didattico verranno indicati *in itinere*, durante lo svolgimento del corso.