



## COURSE DESCRIPTION PLANNING STUDIO

**SSD: URBANISTICA (ICAR/21)**

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

## COURSE DESCRIPTION

TEACHER: ACIERNO ANTONIO  
PHONE: 081-2538618  
EMAIL: antonio.acierno@unina.it

## GENERAL INFORMATION ABOUT THE COURSE

INTEGRATED COURSE: NOT APPLICABLE  
MODULE: NOT APPLICABLE  
CHANNEL: 03 Cognome A - Z  
YEAR OF THE DEGREE PROGRAMME: IV  
PERIOD IN WHICH THE COURSE IS DELIVERED: SEMESTER II  
CFU: 8

### REQUIRED PRELIMINARY COURSES

None

### PREREQUISITES

The student must have acquired knowledge about the main elements of town planning ( history of modern town planning, cartography, town planning legislation) and skills in territorial and urban analysis.

### LEARNING GOALS

The main aim of this course is to develop the skill to work on urban plans, evaluating their impacts on territory and implementation issues. The student acquires the basic skills necessary for urban planning at the general and neighbourhood scale, in the awareness of contemporary principles of the urban and territorial planning and design.

### EXPECTED LEARNING OUTCOMES (DUBLIN DESCRIPTORS)

## **Knowledge and understanding**

The student has to demonstrate his ability in: describing and analyzing the urban contexts; acquiring knowledge about urban regeneration and implementation projects; knowing different design and planning theories and techniques, within a wide range of intervention models for the territory and cities.

Knowledge and understanding: The student has to demonstrate his ability in: evaluating the landscape, environmental, settlement, cultural and socio-economic needs of the territory to be planned; assuming reference models with awareness of their coherence with the theories and design techniques of the disciplinary tradition; knowing how to choose the original combination of models and techniques useful for the intervention in every context of analysis, with attention to the consistency between the proposed actions and the scale of the interventions.

## **Applying knowledge and understanding**

The student has to be able to communicate, through graphic and verbal / textual elaborations:

- 1) the synthetic frameworks of the specific conditions of places, with attention to their systemic structure (environmental, settlement, infrastructural);
- 2) weaknesses and strengths detected through a context analysis carried out at different scales (from territorial to local);
- 3) the principles, rules and design choices of their own proposals for the regeneration and development of the territory.

Communication activities, aimed at dissemination in a large audience ( local community, political decision-makers and media) has to be linked to the ability to join the scientific debate (p.e. participation in seminars, workshops and conferences), using appropriate language and cultural references. Finally, the student has to be able to update or expand their knowledge by independently drawing on texts, scientific articles, projects and proposals for urban and territorial planning. To this aim, the course provides the student with useful information and suggestions for his continuous updating and the enrichment of their skills.

## **COURSE CONTENT/SYLLABUS**

The lessons present the methodological and operational contents of planning as a tool related to government of the territory, starting from the definition of the planning and its content (the city and the territory) in the contemporary condition about social needs (recovery and requalification of existing urban settlements, restoration of cultural and environmental resources, conservation of soil and natural resources, urban resilience and security, green infrastructure, etc.). In the studio activities, students will be asked to develop an exercise on a specific local area preparing a detailed design framework and applying urban indicators and parameters. The course is composed of 20 lessons of 4 hours each, in which topics related to the analysis, evaluation and design of a planning case study will be addressed with an in-depth study, especially referred to urban regeneration. The students will work in teams on a case study in order to produce the technical documents of the PUC (Urban Municipal Plan) required by the urban planning law, and develop a design solution at urban scale acquiring the multiscale methodology. The work is divided in three phases, at the end of which the team will submit documentation to be discussed in

the class. The first phase is aimed at the drafting of the Preliminary Plan (some documents are required about analysis, evaluation and planning concept); the second phase aims at the development of assessment of the current state, using the DPSIR approach, and at the draft design guidelines for structural plan and green infrastructure; the third phase focuses on the regeneration project paying attention to the ecological issues in the study area. The theoretical approaches and the analytical design methodology will be developed through lectures, workshops, inspections and presentation / discussion of the documents produced by students. At the beginning of the course, in order to provide the IT tools suitable for urban planning, lessons will be focused on a basic GIS course, enough for the requested tasks. The main topics and activities of the lessons are listed below:

Lesson 1 - introduction to the course, n ecological and multiscale design (frontal lesson and interactive exercises).

Lesson 2 - presentation of the study area and splitting of students in teams with assignment of study areas, references to the regional urban planning law and regulations (frontal lesson and interactive exercises).

Lesson 3 - basics of GIS (classroom exercise); methodology for territorial analysis: tools and approaches for the analysis of naturalistic-environmental, settlement, relational and superordinate planning systems (frontal lesson and workshop).

Lesson 4 –inspection on site of the study area. Students' teams are coordinated by the teacher and collaborators (guided tour).

Lesson 5 - basics of GIS (classroom exercise); territorial analysis (frontal lesson and workshop).

Lesson 6 - basics of GIS (classroom exercise); the system of constraints to transformation of the territory in planning (frontal lesson, interactive exercises).

Lesson 7 - basics of GIS (classroom exercise); socio-demographic analysis and estimation of housing and equipment needs according to current legislation (frontal lesson, workshop).

Lesson 8 - First intermediate test with discussion of the produced documents in the first phase. The students deliver the documents produced two days before the discussion and, based on the preparation of a synthetic power point, present the results of the survey in the class (workshop).

Lesson 9 - The Identity Chart of the Territory and the Structural Invariants, strategic-structural part of the plan, evaluation in planning and application methods (from swot analysis to Geodesign), qualitative use of the DPSIR model, identification of criticalities and opportunities of the territory, the development areas (frontal lesson). Draft structural plan (workshop).

Lesson 10 - Presentation of examples of urban plans at the municipal scale: contents, methodologies.

Lesson 11 - The structural plan, plan strategies and development trends for the study areas (frontal lesson and workshop).

Lesson 12 - Ecological planning: green infrastructures, landscape and ecological urbanism. Methods and best practices. The s-RGB method in urban planning / design: urban safety, regeneration and green blue infrastructure (frontal lesson). Contents of the structural plan (workshop).

Lesson 13 - Second interim assessment with discussion of the produced documents in the second phase: Identity Charter of the territory, Evaluation, draft structural plan, elements of urban green

infrastructure (workshop).

Lesson 14 - Multiscale approach from planning to design. Presentation of neighborhood-scale regeneration design (frontal lesson and workshop).

Lesson 15 - Urban safety as an indicator of the functioning of public space: theories and methodological approaches (frontal lesson). Design of the study area (workshop).

Lesson 16 - Urban safety: best practices (frontal lesson). Design of the study area (workshop).

Lesson 17 - Tactical approaches in planning: urban acupuncture and Tactical Urbanism (frontal lesson). Design of the study area (workshop).

Lesson 18 –Work on the individual design case study (workshop)

Lesson 19 - Work on the individual design case study (workshop)

Lesson 20 - Third and last presentation with discussion in the class about the individual case study (workshop). At the end of the lessons, the teacher will draw up a calendar of any further weekly workshop days.

## READINGS/BIBLIOGRAPHY

1. Acierno A., Coppola E. (2022), *Green Blue Infrastructure. Methodologies and design proposals*, FedOA Press, Napoli
2. Acierno A., *Chromatic City. Applying s-RGB Design to contemporary space*, FedOA Press, Napoli, 2019
3. Acierno A., *Riempire i vuoti urbani con le infrastrutture verdi*, rivista TRIA n. 14 (1/2015), FedOA Press, Napoli, 2015
4. Acierno A., *Abitare la città protetta. Profilo storico e disegno urbano*, E.S.I., Napoli, 2012
5. Steinitz C., *A framework for Geodesign, changing geography by design*, traduzione italiana a cura di M. Campagna in "Un Framework per il Geodesign: trasformare la Geografia con il Progetto",
6. Gaeta L., Janin Rivolin U., Mazza L., *Governo del territorio e pianificazione spaziale*, CittàStudi Ed., Milano, 2013
7. Regione Campania, Quaderni della Regione Campania sulla costruzione del quadro conoscitivo e Preliminare del PUC

## TEACHING METHODS OF THE COURSE (OR MODULE)

The lessons are based on:

- a) lectures for about 30% of the total hours,
- b) exercises and seminars to deepen some theoretical and specific thematic aspects for 30% of the hours
- c) laboratory to deepen the applied knowledge for 40% Will be provided on the Teams platform of the course: bibliographic documentation in a dedicated reading list, open access software and geo-referenced data in order to facilitate the analysis of the study areas; the pdf of the lessons with the guidelines on the topics covered and the exercises to be carried out.

## 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**