



Italian code: ICAR/20

Credits: 9

Course: Urban Planning

Main language of instruction: Italian

Other language of instruction: English

Head instructor

Professor Tullia Valeria Di Giacomo - tullia.digiacomo@unicusano.it

Objectives

The course aims to provide basic training, cultural sensitivity and specific technical preparation in the following fields:

1. Analysis of the city, urban planning vocabulary;
2. Tools of urban and territorial planning;
3. Elements of sustainable urban planning.

Course structure

The course is organized in 4 modules:

- Module 1. Introduction
- Module 2. Territorial planning.
- Module 3. Urban planning tools.
- Module 4. Environmental assessment.

Competencies

A. Knowledge and understanding:

Upon completion of the course, the student will have knowledge of the main urban planning tools, techniques for reading, measuring and interpreting urban phenomena as well as for controlling the evolution of urban systems. The student will acquire the ability to orient themselves in the corpus of urban planning regulations with awareness of the articulation by levels and thematic areas.

B. Applying knowledge and understanding:

The student will be able to evaluate the coherence of territorial areas with urban planning tools, interpret maps and technical planning regulations.

E-tivities involve the application of theoretical knowledge to practical problems.

C. Making judgements:

The student will be able to independently carry out territorial analyses and hypothesize a preliminary urban planning project.

D. Communication skills:

The student will be able to use a “technical” language referring to the disciplinary vocabulary.

These communication skills are verified through the verification test.

E. Learning skills:

At the end of the course, the student will have knowledge of the fundamental notions of territorial government, thus providing the basis for applying future projects to different territorial realities with attention to safeguarding environmental quality.

Syllabus

Module 1

INTRODUCTION: Objectives of Urban Planning. Evolution of planning instruments. Basic definitions.

Module 2

TERRITORIAL PLANNING: Large area plans. General Regulatory Plan. Implementation plans.

Module 3

URBAN PLANNING TOOLS: Parameters and Indexes. Homogeneous territorial zones and Standards. Expropriation. Equalization.

Module 4

ENVIRONMENTAL ASSESSMENT: Natural capital and green infrastructure. Introduction to Geographic Information Systems. Environmental Impact Assessment. Strategic Environmental Assessment. Environmental indicators and multi-criteria analysis

Evaluation system and criteria

A prerequisite for accessing the exams is completing the E-tivities. The E-tivities will be evaluated for an overall score from 0 to 10. This score will be added to the score obtained through the exam test.

The exam, both when carried out at the Rome office and when carried out off-site, consists of a written test aimed at ascertaining the ability to analyze and rework the concepts acquired.

The written test involves the completion of open-ended questions, lasting 60 minutes.

The exam, when carried out online, consists of a test implemented on the platform, lasting 60 minutes.

Bibliography and resources

1. Materials to consult

Lecture Notes, handouts, slides and video lessons provided by the Professor.

2. Recommended bibliography

_ Patrizia Gabellini (2015), *Tecniche urbanistiche*, Carocci Editore, Roma.

_ Claudia Mattogno (2014), *Ventuno parole per l'urbanistica*, Aracne Editrice, Roma.