



Degree course	Architecture
Course code	ARM74
Lecturer	Francesca Fatta
Course name	Rappresentazione della città e dell'ambiente
Disciplinary area	A
Disciplinary field of science	ICAR/17
University credits - ECTS	4
Teaching hours	40
Course year	2nd
Semester	2nd

Synthetic description and specific course objectives

The Representation of the city and the environment is included in the scientific-disciplinary contents concerning the "Drawing" in its widest meaning of knowledge instrument of the laws that govern the formal structure of objects and environment, an instrument for the analysis of the existing values, an act of expression and visual communication of the project idea.

The study of city and built environment is also based on the fundamentals of descriptive geometry and computer modeling, is expressed through the graphic, info-graphic and multimedia language and can be applied to the design process from the formation of the idea to its definition.

Course entry requirements

To access the course you must have passed the exam of "Disegno" of the first year (or have obtained a certificate of attendance by the teacher), you must have taken the exam of CAD of the first year (or have obtained a certificate of attendance by the teacher) in order to undertake the training provided from the outset, with the scientific methodological and technical resources.

Course program

Course title:

"The graphical structure of the city. Study and interpretation of the existing city between history and modernity "

- a) The first part of the course will deepen the knowledge of the design of city, reading and re-drawing of historical and actual maps, focusing on identifying and breakdown of the reading levels of the city. The substantial architectural transformations have always coincided with the political and social ones: Relating the history of the city with these events will help to better understand these transformations.
Lessons will concern in general terms, the **Representation of the territory** (historical notes, general characteristics of a map, aerial photography, plan-altimetric representation of the terrain, contemporary cartography, thematic cartography) and the **Reading of the territory and of the historic city** [8 hours].
- b) The application will be organized as part of a workshop of about three days in a Sicilian or Calabrian center where will experience the power of interpretation and reading of the constituent parts of the built environment, with a focus on specific parts (squares , streets, neighborhoods) by re-reading of maps and the subsequent critical analysis of a stratified context. The workshop is a group work (maximum 4 students) aimed at acquiring a methodology to conduct a graphical analysis of urban growth and transformations aimed at verifying the identity of the place. Drawings, sketches, notes on notebook will testify the attention given to in-depth observation of an urban reality in constant flux [16 hours].
- c) The course will be completed with a practical activity in the classroom and will concern the

preparation of summary tables on the history and reading of the changes of the center in question. All graphics produced during the workshop will feed into a first synoptic table that will contain the planimetric diagrams summarizing the most significant urban transformation to be compared with historical representations, not only planimetric but also the perspective ones. This table will be followed by a second one, titled "the new maps of knowledge", which will contain graphic notes and interpretative elaborations on the specific parts of the city center investigated [16 hours].

It will be important to further investigate bibliographical, historical and archival analysis and use cartographic material to reconstruct the genesis and development of the building fabric.

The training of the applicative part and the processing one will be accompanied and demonstrated by individual **notebook** on which will be annotated lecture notes, personal observations, sketches of survey and study.

The periodic review of the projects, exercises, trials, constitutes integral part of learning task of the student.

Expected Results (acquisition of knowledge by the student)

The expected results in terms of acquisition of knowledge by the student concern the descriptive ability of an urban environment through the multitude of instruments of Drawing and Representation, selected and used in a critical way and always aimed at a good and effective communication.

Course structure and teaching

Lessons (*hours / year in the classroom*): 8

Tutorials (*hours / year in the classroom*): 16

Practical activities (*hours / year in the classroom*): 16

Student's independent work

Each student on his own, will have to acquire the graphic and cartographic data necessary for the lessons. Will have to read up on the history and processes of change inherent in the town where the workshop will take place. Student must search for actual and historical maps. Will have to read up on the systems of representation adopted in architecture for communication of urban phenomena. He must know the planning instruments adopted by public administrations.

Testing and exams

A first test will be performed at the end of the workshop. A subsequent audit prior to the examination, will be carried out in the classroom at the end of the processing of the graphic tables.

Suggested reading materials

Selected bibliography:

1. M. Docchi, M. Gaiani, D. Maestri, *Scienza del Disegno*, Città Studi, Novara 2011;
2. AA.VV. (a cura di M. Arena e A. Villari), *PAESAGGIO 150*, Sguardi sul paesaggio italiano tra conservazione, trasformazione e progetto in 150 anni di storia, Aracne Editrice, Roma 2012;
3. AA.VV. (a cura di M. Giovannini e F. Prampolini), *Spazi e culture del Mediterraneo vol.3*. Reggio Calabria 2011, ISBN: 978-88-89367-60-5;
4. AA.VV. (a cura di M. Giovannini e G. Ginex), *Spazi e culture del mediterraneo vol.2*, Edizioni Kappa, Roma, 2008, pp. 123, ISBN: 978-88-7890-905-2;
5. *Spazi e culture del Mediterraneo vol. 1*, Edizioni Kappa, Roma, 2006, ISBN: 88-7890-721-9.