Dipartimento di Architettura e Territorio – dArTe

Corso di Studio in Architettura quinquennale – Classe LM-4

Degree course:	Architettura LM-4
Course code	SAR08
Lecturer:	Paola Raffa
Course name:	Disegno dell'Architettura C
Disciplinary area:	A
Disciplinary field of science:	ICAR/17
University credits – ECTS 6	6
Teaching hours: 60	60
Course year:	3th
Semester:	2nd

Synthetic description and specific course objectives

The teaching of the design's objective is to provide the tools for the knowledge of a generic space. The graphic tran space, real or virtual, is the main tool in the cognitive process of architectural space.
The aim will be to understand, analyze and communicate architectural form, language and composition through the methods of representation and through the use of traditional and digital techniques.
The course aims to provide the tools to decode, understand and represent the "physical space" (the real one) and th of ideas" (the project); translate properly the codes of the drawing to communicate architecture.

Course entry requirements

Does not require any prerequisite.

Course programme

The drawing of architecture to know and search the identity of places.
Read the modification of the architecture involves the use of tools enable to decode the signs.
Require tools and codes able to reproduce overlays and extensions.
Describe the shape of the architecture and its location to search for the character of the space and to express it in its essence and in its modification. The description of the architecture is done through the synthesis of the sign.
The task is to choose and decode signs. Drawing as tool for the representation and communication of architectural and as a means of knowledge and analysis of the architecture. The theory part will include communications on syste methods of architectural representation. The application part will include the architecture redrawing as a graphic lan from the formation of the idea to its formal expression. Plans, elevations and sections to describe the architecture ar interacts with the site, three-dimensional drawings to understand how the architecture creates space (isometric) and placed in the space (perspective), the model and deconstructions for analysis and critical reading of the project.

Expected results

Understanding and communication of architecture is the knowledge that the student will acquire at the end of the course.

Course structure and teaching

Lectures *(hours/year in lecture theatre):* 12/60
Practical class *(hours/year in lecture theatre):* 24/60
Practical / Workshops *(hours/year in lecture theatre):* 24/60

Student's independent work

To the student is required to attend constantly to the activities performed during the hours of practical activities and exercises. Indipendent work will consist of the preparation of the drawings required during the course and in the stud texts listed in the bibliography.

Testing and exams

Verification will evaluate through the delivery of drawings required during exercises.
At the end of the course each student will produce a series of drawings and some models whose theme and proced be agreed in the classroom during the course.
Final assessment must consist in the evaluation of the drawings and the oral test on the topics covered in class.

Suggested reading materials

Livio Sacchi, *L'idea di rappresentazione*, Roma 1993
Maurizio Unali (a cura di), *Abitare Virtuale significa rappresentare*, Edizioni Kappa, 2008
Le Corbusier, *Quando le Cattedrali erano bianche*, Christian Marinotti Edizioni, 2012

Degree course	Architecture
Course code	SAR08
Lecturer	Rosario Giovanni Brandolino
Course name	Architectural Drawing A
Disciplinary area	A
Disciplinary field of science	ICAR/17
University credits - ECTS	6
Teaching hours	60
Course year	3th
Semester	1st

Synthetic description and specific course objectives

The course provides basic informations on the knowledge of the graphic language for the representation of architecture. It is proposed to trigger a learning process that, through the design, it is related to multidisciplinary fields (architecture, design, landscape) in a study on the systems, the concepts and techniques of representation. We propose, in addition, the live drawing as an instrument of knowledge, analysis and communication, and will point to the acquisition of skills and abilities, that aims to restore the graphics of the metrics and formal qualities.

Course entry requirements

Knowledge of the characteristics and basic informations of descriptive geometry and of the essential aspects of the analogic and digital design.

Course programme

The program aims to define a theoretical and operational issue in relation to the problems of knowledge of the physical world and material culture, through systems designed to reading and to representation of architecture.
The main topics will include:
- Contents on the architecture design: analysis and relations between architecture and design.
- Thematic meanings in the representation: analysis and relations between form, space, pattern.
- Contents and practice on the graphic procedures of model- represent, summary-deductive demonstration.
- Signs and notions on codes, conventions and symbols in restitution and representation in the drawing.

It proposes an approach with relief that, through the acquisition of metrical, formal and quality elements, presents a critical overview of the handmade articles for a correct and relevant "management" of the architectural and environmental heritage.
The purpose is to acquire forms and attitudes indispensable for a critical reading and for a language of vision.

Expected results

The architecture design aims at the acquisition of skills and competencies related to the representation and communication, in a process that combines action-thought-emotion. The student will be pressed for the acquisition of sensitivity and technical-theoretical concepts for the understanding and communication of

constructed reality.

Course structure and teaching

Lectures *(hours/year in lecture theatre):* 40
Practical class *(hours/year in lecture theatre):* 10
Practical / Workshops *(hours/year in lecture theatre):* 10

Student's independent work

Students will develop practical applications of the theoretical contents covered during the course and constantly checked with the teacher.

Testing and exams

They include a series of periodic audits of theoretical and practical training, through practical experiments in the classroom.
The final check will focus both on the evaluation of the thematic elaborated assigned by the teacher according to the specific guidelines, both on checking the skills acquired on the topics covered during the course.

Suggested reading materials

Bibliography

Bracco S., *Disegno com.e. A mano libera con un occhio al computer*, Testo&Immagine, Torino 2001
de Rubertis R., *Il disegno dell'architettura*, Carocci, Roma 2002
Docci M., *Manuale del disegno architettonico,* Laterza, Bari-Roma 1990
Lupano M. (a cura di), *Paul Klee. Quaderni di schizzi pedagogici*, Abscondita, Milano 2002
Maestro R., *Disegno per l'analisi e il progetto. Guida alle esercitazioni del disegno di architettura*, Esculapio, Bologna 1991

Sitography reference

www.lineamenta.it
www.rappresentazione.it
www.urbansketchers.org

Other Teaching Materials

During the course will be made available to the students various educational materials, such contents will be downloaded from the website of the Multimedia Laboratory of the University.

Degree course	Architecture
Course code	SAR08
Lecturer	Sebastiano Nucifora
Course name	Architectural Drawing B
Disciplinary area	A
Disciplinary field of science	ICAR 17
University credits - ECTS	6
Teaching hours	60
Course year	3th
Semester	1st-2nd

Synthetic description and specific course objectives

The course aims at providing students with a methodology for the representation of architecture in context, with special reference to the local urban reality. In addition to conventional forms of drawing and relief, students will be exposed to multidisciplinary experiences such as photography, film, and narrative, so as to maximize their powers of observation and description.
The course aims also at developing of the ability to connect individual spaces with the investigated reality. Hence the already discussed multidisciplinary approach to places and their sedimented history. Effective graphic representations are indeed the result of critical and non-fractionated knowledge of urban facts, as this kind of knowledge is the essential prerequisite of any worthwhile project to come.

Course entry requirements

Mastery of the methods of representation in descriptive geometry. Appropriate use of basic CAD. Ability to Process simple raster images.

Course programme

The course will be focused on the representation of a small urban center, to be located either in Sicily or in Calabria. Its articulation will be detailed on the basis of the architecture and the urban map of the center, which will be chosen according to its features of quality and/or degradation.
Design, both in its free and technical form, is expected to represent the place. From this point of view, media such as photography, video and writing will complete an effective acquaintance of the place. They also will play a role in the critically interpretation of the site, so as to supplement the mere morphological and metric data with signs and sensorial stimulations available in situ.
As a consequance of this approach, the attention paid to the extra-ordinary –manufacts and monuments of relevance, lines of communication and important meeting places--, will be supplemented by that to the “infra-ordinary” (G. Perec), i.e., the everyday aspects of urban life. All this not only with reference to the representation of the city-as-it-is-built, but also to the relationship between spaces of and the way they are anthropically occupied and enjoyed.
The site chosen will be first studied through the maps, then worked out in a multidisciplinary 4-5 day workshop. On this occasion, the class will be moving to places, working in the community for the production of

useful material for the final exam.

Expected results

To improve abilities of observation, understanding and representation of urban places as the necesssary preparatory step to the project. To master freehand drawing techniques of representation. To correctly use photography as an aid to the relief proper, and to the representation of architecture. To learn the standard use the basic software for photo straightening.

Course structure and teaching

Lectures *(hours/year in lecture theatre)*: 30 hours
Practical class *(hours/year in lecture theatre)*: 15 hours
Practical / Workshops *(hours/year in lecture theatre)*: 15 hours

Student's independent work

Drafting of a travel notebook on the theme of the "Everyday Travel" between home and the University.
Sight, graphic and photographic relief (photo straightening) of an urban episode chosen by the student, as a preparatory act to the work envisaged in the final workshop.

Testing and exams

Revisions of the work-in-progress on a weekly basis, starting from the 2nd semester (compulsory).

Suggested reading materials

Stephen Kliment (a cura di), *Come disegnare in architettura*, Newton Compton, Roma 2006
Gordon Cullen, *Il Paesaggio Urbano. Morfologia e progettazione*, Calderini, Bologna 1976
Gabriele Basilico, *Architetture, città, visioni: riflessioni sulla fotografia,* Bruno Mondadori, Milano 2007
Georges Perec, *Specie di Spazi*, Bollati Boringhieri, Torino 1986
Aldo Rossi, Francesco Dal Cò, *I quaderni azzurri*, Electa, Milano 1999

Further readings will be suggested in class.