



Dipartimento di Architettura e Territorio – dArTe

Corso di Studio in Architettura quinquennale – Classe LM-4

Degree course	LM4 Architecture (five years course)
Course code	SAR34
Lecturer	Rita Simone
Course name	Laboratory Architectural Design 1
Disciplinary area	Architectural design Interior design
Disciplinary field of science	ICAR14
University credits – ECTS	8 + 4 = 12 cfu
Teaching hours	80 + 40 = 120 hours
3 th	3 th
Semester	One year course

Synthetic description and specific course objectives

The architectural design course offers an experience that addresses the steps project theoretical and compositional architecture, starting from the definition of design theme until the invention and knowledge space. The teaching approach will tend to reverse the design methods which-starting from the analysis of the site-located in the detection of signs of the landscape and the territory ideogrammatiche guidelines of the project, proposing instead a a posteriori contamination.

The course of interior design offers an experience that the 3rd year it considers "structuring" through the acquisition of the theories o which it is structured the entire disciplinary patrimony.

Course entry requirements

The course will start in Oct. 2013 and will finish by the end of May 2014
Admission requirement is passing Architectural composition 2st year

Course programme

The workshop aims to address – in a first phase – compositional themes related to the design of a "container", characterized by its atopic introversion and self-reference, then check in the second measure, both the same contamination upon contact with a geographical location is defined – in reverse order – modifying processes that new relations established by the architectural object determine in the urban landscape.

The functions provided within the proposed architecture will have to be linked to the spaces dedicated to teaching and usual activities of faculties or schools of architecture, or recreating the usual models or experimenting with new types depending on how aggregation of the student community and the contemporary world. Particular attention should be paid to the relationship between building and public space. A posteriori detection will occur within an area assigned by the teacher.

Expected results

At the end of the course the student must possess educational awareness:

- Subtraction-related processes of matter
- The concept of space and section
- Models and types defined as "great indoors"
- The collection of notions and references that make up the theory of architecture

Course structure and teaching

The laboratory will consist of lectures, exercises/deliveries and workshops. The teaching will take place mainly in the courtroom. Delivery times and themes be binding tutorials and materials will not be accepted outside of the dates. The assistance to the projects will be completed by the end of the courses.

Student's independent work

On the development and processing of processed project, self-employment that students face is:

First step: the appropriation of the theme of the year.

This phase is intended to deepen in the students theoretical and practical knowledge to address the design of a "great".

Second step: development of the theme.

In the second phase, the student deals with the fundamental issues of the design process, paying particular attention to the relationship between section and removal of matter.

Third phase: the final stage.

This stage is intended for design development.

Testing and exams

The development of the furnishing project (street furniture, housing unit or facility) is individual.

Students are admitted to final exam on the basis of their advancement in the workshop and only if they attend at least 70% of workshop. The exam will be the discussion of the projects elaborated during the workshop and the final project. The discussion will focus on the choices and their coherence considering the structural and cultural aspects of the architectural project. The final mark will be also influenced by student critical thinking about theoretical aspect developed during lectures.

Suggested reading materials

The educational material will be provided directly in the classroom media.



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Corso di Studio in Architettura quinquennale – Classe LM-4

Degree course	Architettura Quinquennale a ciclo unico
Course code	SAR34
Lecturer	Marcello Sestito
Course name	Laboratorio di Progettazione Architettonica 1 (12cfu)
Disciplinary area	B,C
Disciplinary field of science	Icar 14 + Icar 16
University credits - ECTS	8 (prog. Architettonica 1) +4 (arredamento)
Teaching hours	120 tot
Course year	3°
Semester	yearly

Synthetic description and specific course objectives

The aim of the course is to reach the construction of architectural design, reporting it to the places where settles, and the construction of a fragment of the city in where to find a location which, albeit hypothetical, know all those relationships that bring forth the site, in its various components, established between the compositional process and the outcomes that result from this. The teaching is based mainly about the construction of the compositional process, relate to the other complementary disciplines, it is try an unusual route about the history of architectural design, going to dig the origins of the act of composition, until to its source and emotional training. It is, in essence, to interact summations of the compositional alphabets that are produced in the past, as essential components of the work of the architect, relating them to a more specific scope and targeted to the student's education. This counter architectural history, or rather this story permanent, will be based on intimate parts of the design process, compared with the masterpieces of the past, and able to interact with the current events of architecture, in which the legacy of the modern movement, and the events of deconstruction are intertwined in generating tensions updated for contemporary composing. Since the typological components, while necessary to the architectural knowledge they have proven over time their weaknesses, we will study in an attempt to overcome their conceptual, reaching to the way of living and building, circumventing this interpretation obstacle.

Course entry requirements

The course will make use of the artistic component inherent in working architect, it is demand extra attention to complex histories of art, and in this case, as necessary prerequisite is to have passed the previous disciplines, such Composizione 1 and 2 .

Course programme

The course will focus on the architectural definition of an architecture simulated in its components and reported to the landscape. The construction of a theoretical model, focus on the consequences, today more manifest, about the possibility of realization of architectures from a modeling scale one to one. The actual systems of information control, have made it increasingly evident that today it is possible to directly build the house with molding systems in appropriate scale. The course deemed

to offer this line of research, which uses the most sophisticated instrumentation and design alternatives, a theme that will not only have certain future outcomes, but that will shock even in a short present, some compositional procedures, or setup of design strategies.

Expected results

Theory and practice acquisition of the concept of landscape, and the different scales of the architectural design

Acquisition of the various devices of invention

Acquisition of the values of literacies in architecture

Acquisition of the concept of scale, from sketch to three-dimensional design

Acquisition of the different processing methodology of the project

The value of the form and function

The value of the man at the center of our formal acquisitions, and therefore, the body at the center of the architectural space as antropogeometrical and emotional processing.

Course structure and teaching

The course includes, in addition to the lectures listed below, exercises and a series of workshops and seminars with the presence of experts in various disciplines, who will collegially verify the outcomes projects. In particular, it is deemed to invite the engineer. Enrico Dini, who has been taking care of modeling processes in 1 to 1 scale with the help of physical plotters, and printers 3d of his conception

List of lessons

1 The project in the contemporary

The architectural debate, tools and methods of readings

Historiographical reconnaissance

2 Who is an Architect. From the face of Vitruvius to the present

A survey of the iconography depicting 'the architect',

An exploration around this artistic figure

3 Architecture and body

Anthropometry problems. The body as a system of rules

And parameters proportional to the base of some buildings

The ousted body, and the impossible's Vitruvian

4 The hand and the eye

The gesture as a logical antecedent of the project

The hand as an extension of the brain

The constant presence in the architects' world

5 Sign draw dream

The architectural design. figurations, prefigurations

Specificity of the architectural design

6 Alphabets of Architecture

The instrument of intimate design

Gears of invention

7 Nominal Architecture

The word and the project

8 Cases of houses, a slight inaccuracy

The ten conditions of living and the three usual types

9 Global Architectures

Architecture and globalization, the project unlimited

10 Solids Fluids, or compose rectum and curved

The globe and the cube, crystal and amoeba

An overview of the formal shareholders' architecture

11 The House (physical and described)

Read some examples: Terragni, Loos, Williams, Le Corbusier, Libera, Taut, Gaudi, Juìol, Portuguese, Rossi, Ando, Eisenman.

Readings: Loos, Wittgenstein, Bachelard, Duras, Poe, Rigon, Calderon de la Barca, Valery, Hundertwasser, Hesse, Levinas, Cacciari.

12 The Oikos. The house and its components

To compose the house, elements, parataxis,

Geometrical matrixes and grammatical rules

13 Representing the project, Table architectural and devices of invention

Student's independent work

It is demand the maximum autonomy to the student, who will have to carry out their examination individually, except very rare cases, and if the project requires it, in a number not more than two units.

Will be particularly encouraged those who demonstrate a certain autonomy in planning, so as to bring into the game, not just the same contributions of the teaching, but even the lines, and styles consolidated project.

The latter must be carried out at appropriate scales, using various expressive techniques as well.

You may also want to understand the work within a year, in order to deliver results for the exams at its July meeting.

Testing and exams

The annual course will have moments of evaluation, both of which single job of group work, and for that purpose only you will be able to take the final exam, which will consist of the development of an explanatory table in which to read the project at different scales and both the realization of a 1:100 scale model in nylon powder and realized with the laser printer. Will be carried out checks on the presence in the classroom, and the number of admissions shall not be less than 70% of the hours set out in the schedule of classes. The examination will take place from a theoretical discussion about the project, and how to define it covered.

This will take account of the descriptive ability of the candidates and the general culture aimed at the description of the project.

In the time of the examination is also required an explicit description of the project, with hand drawing in the most appropriate techniques.

Suggested reading materials

Marcello Sèstito, *Alfabeti d'Architettura*, Gangemi, Roma, 1994;

Marcello Sèstito, *Colonne Stilate*, Sapiens, Milano 1995;

Marcello Sèstito, *Architetture Globali, Solidi Fluidi, O del comporre retto e curvo*, Gangemi, Roma 2002;

Marcello Sèstito, *Architettura &*, Jason, Reggio Calabria 2004,

Marcello Sèstito, a cura di, Eugenio Battisti, *Intorno all'architettura*, Jaka Book, Milano 2009;

Franco Purini, *Comporre l'Architettura*, Laterza, Bari 2009.

Gio Ponti, *Amate l'architettura*, Rizzoli Milano 2008.

Ludovico Quaroni, *Progettare un edificio, Otto lezioni di architettura*, Kappa, Roma 2001.

It will also provide the basis of cartographic material and some sheets about the operation of the printed houses.

Degree course	Corso di Studio in Architettura quinquennale – Classe LM-4
Course code	SAR34
Lecturer	Roberto Morabito
Course name	Laboratorio di Progettazione Architettonica 1
Disciplinary area	B, C
Disciplinary field of science	Icar 14
University credits - ECTS	12
Teaching hours	120
Course year	3°
Semester	Annuale

Synthetic description and specific course objectives

The workshop is placed in the second year of the Architecture single cycle degree. It is divided into two courses. Progettazione Architettonica e Urbana, the first, is the characterizing one. Disegno Industriale, the second, is a necessary integration to the student's reading skills. Design become an interpretation and invention instrument in front of complex reality.

The architecture learner has already obtained composition skills, which let him organize simple elements in complex aggregations. The workshop aim is to expand these skills by the functional theme modulation on particular and complex buildings, and by the study of the relationship between the building and its urban environment. A second course aim is to develop student's critical skill in valuing links towards different project levels, up to the level of furniture, considered as founding element of living space.

Course entry requirements

The student has already cused Composizione Architettonica 1 and e Composizione Architettonica 2, therefore he has already obtained elementary composition notions and space composing skills - at least in simple aggregation contests.

Moreover, he need to have practiced the design as knowledge and organization instrument of architecture and space thinking. He knows historical and contemporary architectures panorama and he can situated himself in it.

Course programme

An urban block situated in central position in Reggio Calabria city. Nodal point of the urban grid hinge, in front of National Archeological Museum - designed by Piacentini- and overlooking the waterfront.

It is in front of Messina Strait, and also in front of a urban vacancy, the Indipendenza Square one, that - in spite of many formal and spatial changes - hasn't found solution yet.

On the contrary, it seems to reject whatever solution hypothesis.

Workshop topic is to design new Conservatorio Musicale location, now hosted in a ex-convent rooms.

It is the design of a building composed by different elements, which are the necessary answer to many functional demands, such as rooms for individual and collective lessons or smalls music halls hosting few musicians, and - naturally - the auditorium, designed as a service for the city.

A building formed by didactic, administrative and public places. A complex organism answering to urban reconfiguration demand, relating with near buildings, thinking the relationship between city and landscape.

Developing the theme the student will get in touch with theoretical aspects of composition, architectonic principles, relationships among music, proportion, metrics and architecture.

He will train coordination skills in different levels, including theoretical and cultural areas, gathering different kinds of knowledge in a first reflection on figuration and language.

Expected results

Once he has finished the workshop, the student has trained and developed his previous skills, has learned how to face the complex architectonic organism design and perceive the interaction between the different skills and knowledge areas linked to design.

Finally, he has experimented the way to research first the correct demand and later the correct answer of each architectonic theme.

Course structure and teaching

Lectures (hours/year in lecture theatre): 20

Practical class (hours/year in lecture theatre): 60

Practical / Workshops (hours/year in lecture theatre):40

Student's independent work

The student will study in deep disciplinary contents of the lessons helped by the indicated bibliography.

He will train orientation skills in the contemporary panorama through the main architecture magazines consultation. He will go deep in the design theme, with the tools given by the docents and the ones he himself will chose as appropriates.

Testing and exams

The student will have to show the developing of his work in two intermediate stages, delivering the plans conveying the idea of the project itself and showing it in the classroom, arguing his chooses. He will have to deliver a notebook, where he will have collected the sketches and the planes of his work. Attendance with profit to the two intermediate stages and the workshop is a essential requirement to access to the final exam, that will consist in the work exposition and the discussion of the workshop topics.

Suggested reading materials

Gio Ponti, Amate l'architettura, Milano 1957

Franco Purini, la misura italiana dell'architettura, Bari 2007

Laura Thermes, Tempi e spazi. La città e il suo progetto nell'età posturbana, Roma 2000

Rudolf Wittkower Principi architettonici nell'età dell'umanesimo, Torino 1994

Cartografie e materiale per le esercitazioni verranno di volta in volta messi a disposizione sul sito dell'Ateneo