



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Architettura
ACADEMIC YEAR	2021/2022
BACHELOR'S DEGREE (BSC)	ARCHITECTURE AND PROJECT IN BUILT SPACE
SUBJECT	ARCHITECTURAL DESIGN I - STUDIO
TYPE OF EDUCATIONAL ACTIVITY	B
AMBIT	50110-Architettura e urbanistica
CODE	04249
SCIENTIFIC SECTOR(S)	ICAR/14
HEAD PROFESSOR(S)	TUZZOLINO GIOVANNI Professore Ordinario Univ. di PALERMO FRANCESCO
OTHER PROFESSOR(S)	
CREDITS	10
INDIVIDUAL STUDY (Hrs)	130
COURSE ACTIVITY (Hrs)	120
PROPAEDEUTICAL SUBJECTS	
MUTUALIZATION	
YEAR	1
TERM (SEMESTER)	1° semester
ATTENDANCE	Mandatory
EVALUATION	Out of 30
TEACHER OFFICE HOURS	TUZZOLINO GIOVANNI FRANCESCO Wednesday 10:00 14:00 SAAF Dipartimento di Scienze Agrarie, Alimentari e Forestali, Viale delle Scienze, Ed. 5, Ingresso A

DOCENTE: Prof. GIOVANNI FRANCESCO TUZZOLINO

PREREQUISITES	<p>Basic knowledge of drawing: ability to analyze and interpret graphics, drawings and representations (plans, fronts, sections); basic knowledge of proportional scales.</p> <p>Elementary notions of art history and history of architecture.</p> <p>Ability to summarize in written and oral presentations; basic knowledge of geography (basic topological and temporal concepts, orientation and cardinal points).</p>
LEARNING OUTCOMES	<p>KNOWLEDGE AND COMPREHENSION ABILITIES Knowledge and comprehension of methods of implementation, principles and rules that underlie current architectural composition.</p> <p>Knowledge and comprehension of methods and cultural instruments for architectural design also meant as a synthesis between figural, functional and structural items related to the definition of low complexity programs.</p> <p>ABILITY TO APPLY KNOWLEDGE AND COMPREHENSION Ability to apply the concepts and methodology acquired in development and execution of assigned exercises.</p> <p>Ability to control the phases of the architectural design process, through a correct and congruent use of instruments, methodologies and techniques acquired.</p> <p>JUDGEMENT AUTONOMY Acquisition of an initial intellectual autonomy and a progressive critical spirit, through hermeneutic investigation and textual exegesis processes, also aiming to increase awareness of the possibility to autonomously understand the fundamental phases of the process to define organizational aspects and figural solutions set by a design program.</p> <p>COMMUNICATION ABILITIES Ability to communicate ideas and results progressively achieved through the use of appropriate tools and effective and up to date modes of representation and illustration, peculiar to the discipline, relating both to the different codes of representation of architecture and the correct and consistent use of drawing, and to the use of an appropriate and effective language in written and oral presentations.</p> <p>LEARNING ABILITIES Ability of stimulating intellectual creativity through the divergent use of thought categories and interpretative schemes provided. Ability to alternate hypothetical-deductive and inductive procedures, with use of sources (experiences, observations, documents) as the starting point of the processes of abstraction and systematization.</p>
ASSESSMENT METHODS	<p>Oral exam, written exam, presentation of a project.</p> <p>The final evaluation will take into account the entire training path carried out by the student in the Laboratory and will be based on some fundamental criteria: the successful acquisition of knowledge of the principles and fundamental rules which underlie composition in architecture; the acquisition of primary instruments and cultural knowledge needed in the architectural design practice, with respect to a limited program difficulty; the ability to use the tools of architectural drawing and to apply its rules and methods and the techniques acquired; improving the understanding of the aesthetic values of specific phenomenal realities and the synaesthetic perception of the physical space; the quality of the drawings.</p> <p>The student will also have to answer questions related to the theoretical topics of the lectures. At the same time, during the presentation of his project the student will have to demonstrate his ability to discuss and justify the choices made.</p> <p>In brief, the final exam aims to assess:</p> <ul style="list-style-type: none">a) the knowledge acquired;b) the ability to rework autonomously the acquired knowledge;c) the ability to establish connections between the theoretical contents provided by the course, explicating the creation processes and the set of rules of the constitutive elements of house design, related to various contingent factors (contextual, cultural, of settlement), and the design conceived in the laboratory.d) the ability to draw properly and manually the architectural project. <p>The threshold of sufficiency will be reached if the student demonstrates to possess, at least in general terms, abilities, skills and competences listed above. Below that threshold, the student won't be able to pass the examination. The evaluation grade will be progressively higher the greater will be the acquisition of such abilities, skills and competences, with particular regard to those related to "architectural writing".</p>
EDUCATIONAL OBJECTIVES	<p>In order to achieve the educational objectives it has been developed a coordination activity including all first-year disciplines, with particular regard to the interaction among the three architectural design laboratories.</p> <p>The coordination activity includes:</p> <ul style="list-style-type: none">A. A shared topic included in the contents of all the disciplines.B. The study tour with the participation of all professors, in addition to the students.

	<p>C. The survey as an essential premise of the experience of architectural design.</p> <p>D. The tight connection between the construction system used in the design exercise and the space devoted to it in the teaching of technology.</p> <p>E. A specific contribution of the professors of History of Architecture and Art History to prepare the study tour, introduce the idea of the space of the house and, in relation to the project location.</p> <p>The overall coordination above described is the premise for the coordination among the architectural design laboratories that includes:</p> <ul style="list-style-type: none"> - Teaching developed through joint exercises, among which the long standing one - project of a single-family house - based on the following premises: - The same site; - Use of the same building system; - Individual conduct of educational work by students; - Exclusive use of handmade architectural drawing with the aid of traditional tools (pencil and ink drawings on cardboard 100 x 70); - Realization of a model as a method of investigation and exploration of form and architectural space, with the aim of reaching the 1:50 / 1:20 scale of representation. - Seminars, with the participation of external teachers. <p>These coordination activities aim to profitably comply the profiles of the first-year course subjects. Especially the project of an architectural organism, developing it at different scales of representation, from the general ones up to those of detail, checking the formal definition process in relation to the techniques and materials used and to the functional program; the architectural design, starting to control the space of relationship between the designed buildings and the context of belonging.</p>
TEACHING METHODS	Laboratory, Lectures, Classroom exercises, Seminars, workshops.
SUGGESTED BIBLIOGRAPHY	<ul style="list-style-type: none"> - Le Corbusier, Verso un'architettura, a c. di P. Cerri, P. Nicolini, ed. it. Longanesi, Milano 2003. ISBN 987 88 304 2112 7 - R. Venturi, Complessita' e contraddizione nell'architettura, a c. di R. Gorjux, M. Rossi Paulis, Dedalo, Bari 1980 ISBN 987 882 2008 114. - G.F. Tuzzolino, La misura e lo sguardo. L'architettura nel paesaggio delle differenze, Libria, Melfi 2012. ISBN 978 88 96067 86 4

SYLLABUS

Hrs	Frontal teaching
1	Opening speech. Presentation of the theme of the design laboratory: Project of single-family house in Sicily.
2	Definitions of place, space and architecture.
2	Composition and Design. The invention of form and relationships.
2	Founding components of architecture: Light, matter, weight.
2	Architecture as continuity and invention. Modernity and belonging.
2	Le Corbusier, the four compositions and the five points of new architecture.
2	Brief mention on the theoretical and cultural orientations prevalent in modern architecture, with particular reference to the Italian experience.
2	The preparation of the project: design program, instruments needed, logic and principles of settlement, from idea to form.
5	Guided tours and study visits.
Hrs	Practice
5	Exercise 1. From the story to the construction of a minimal space.
Hrs	Workshops
35	Workshop
60	Project of a single-family house. Survey and drawings, work archetype and final model, written reports on the design intentions and the achieved outcomes.