



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Ingegneria
ACADEMIC YEAR	2020/2021
BACHELOR'S DEGREE (BSC)	BUILDING ENGINEERING, INNOVATION AND RETROFITTING
SUBJECT	ARCHITECTURAL DESIGN 2
TYPE OF EDUCATIONAL ACTIVITY	B
AMBIT	50110-Architettura e urbanistica
CODE	16212
SCIENTIFIC SECTOR(S)	ICAR/14
HEAD PROFESSOR(S)	BIANCUCCI ANTONIO Professore Associato Univ. di PALERMO
OTHER PROFESSOR(S)	
CREDITS	9
INDIVIDUAL STUDY (Hrs)	126
COURSE ACTIVITY (Hrs)	99
PROPAEDEUTICAL SUBJECTS	
MUTUALIZATION	
YEAR	2
TERM (SEMESTER)	2° semester
ATTENDANCE	Not mandatory
EVALUATION	Out of 30
TEACHER OFFICE HOURS	BIANCUCCI ANTONIO Wednesday 12:00 - 13:00 Edificio 14 Dipartimento di Architettura

PREREQUISITES	Knowledge of the history of architecture features; knowledge of the rules of representation of architectural design techniques.
LEARNING OUTCOMES	<p>Knowledge and capacity to understand: Knowledge and capacity to understand the issues relating to: - The theoretical and formative aspects of architectural design; - The rules and the tools for definition of architectural design; - The methodologies and tools of architectural composition; - The language and the space of architecture; - Contemporary architectural research.</p> <p>Capacity to understand and apply knowledge: Ability to apply the rules governing the processes of composition. Ability to act, with full critical consciousness, through the project, in the ways of organizing the territory in its spatial and cultural components. The experience of the project design is deepened by a series of elaboration of the composition of space processes and the acquisition of an appropriate and conscious architectural language. During the course will affirm the operability concepts of the project as with the existing practice of dialogue, stimulating the desire for significant change, and the equipment of meaning, through the use of rules and activating a clear relationship with the place.</p> <p>Independent judgment: The course aims to foster an adequate critical conscience in the students, concerning: - Understanding of the problematic of living and of contemporary physical space; - Reading and interpretation of the existing, the meaning of structure the place; - The ability to attribute value judgments; - The valuation of suitable instruments the modification of reality.</p> <p>Communication skills: Acquisition of an appropriate descriptive ability, to express and communicate the project contents through the use of the design, of the tools and the architectural representation codes.</p> <p>Learning skills: The course introduces the architectural design and is intended to provide, therefore, the basic knowledge both on theory than on the setup tools for the project control. The ability to learn is aimed to being able to read the architecture in relation to historical and cultural contexts; to follow the process leading to the architectural design by giving coherence and meaning to the formal, technical and functional contents.</p>
ASSESSMENT METHODS	<p>Oral exam and evaluation of exercises and design drawings produced in the course.</p> <p>MODE ASSESSEMENT The candidate must demonstrate the knowledge and skills acquired during the course through the presentation of the design drawings / exercises done during the laboratory and related graphics / representative models, based on what is indicated by the teacher. The exam aims to assess the acquisition by the student, of the skills required for the production, control and representation of architectural projects, as well as the knowledge of theoretical issues that support the project. The test is designed to verify the skills and subject knowledge provided by the course, with reference to the program and the lectures, the recommended texts, developed exercises.</p> <p>The evaluation also will consider the student's maturity level in relation to: - Ability to establish connections between the content of the course; - Provide independent opinions on the content of the course; - Processing capacity; - Use of appropriate technical language; - Exhibition capacity.</p> <p>The student will face the oral examination individually in case he has done a group project and will be evaluated for the results obtained individually.</p> <p>DESCRIPTION OF EVALUATION METHODS The mark, out of thirty, will be assessed on the basis of the levels reached on the issues set out above from a sufficient minimum implying competence and knowledge of the topics covered, to a maximum level of knowledge, competence, autonomy and language.</p> <p>Specifically, the determination of the voting shall use the following criteria: Excellent (30 cum laude - 30) excellent ability to apply knowledge and skills to solve proposed project problems, excellent knowledge of the topics covered in the course, excellent properties of language, excellent analytical skills. very good (29-26) good ability to apply skills and knowledge to solve proposed project problems, good mastery of the topics, full command of the language. good (25-24) average ability to independently apply knowledge and skills to solve proposed</p>

	<p>project problems, basic knowledge of the main topics, discrete command of language.</p> <p>satisfying (23-21) limited ability to independently apply knowledge and skills to solve proposed project problems, barely sufficient mastery of the subject, sufficient command of the language.</p> <p>sufficient (20-18) minimum capacity to independently apply knowledge and skills to solve the proposed design problems, difficulties in the proper representation of the project, poor command of the main topics covered, the minimum language properties.</p> <p>Insufficient - Insufficient ability to independently apply knowledge and skills required to solve the proposed design problems, not acceptable knowledge of the contents of the course and the topics covered, not acceptable knowledge of the project's communication / representation techniques.</p>
EDUCATIONAL OBJECTIVES	<p>The course aims to provide the essential tools to building design, explaining the multiplicity of theoretical and practical issues related to the composition. The objectives are:</p> <p>the acquisition of basic knowledge about the theoretical and formative aspects of the discipline;</p> <p>the knowledge of the application of the rules and instruments for the definition and the control of the architectural design;</p> <p>the acquisition of methods and instruments that govern the composition, with reference also to the contemporary architectural scene and the languages in place; experimentation through the recovery project of an organism simple architectural.</p>
TEACHING METHODS	Lectures, Exercises, Laboratory
SUGGESTED BIBLIOGRAPHY	<p>Ludovico Quaroni, "Progettare un edificio", Edizioni Kappa, Roma 2001.</p> <p>Peter Zumthor, "Pensare architettura", Electa, Milano 2003.</p>

SYLLABUS

Hrs	Frontal teaching
2	TO BEGIN - Inaugural lecture of the Course: Introduction to disciplinary topics, objectives, methodology; ethics and aesthetics of Architecture.
4	TO THINK - Architecture as a rational process. Actuality of the Vitruvian principles of architecture.
4	TO REMEMBER - Classification principle and concept of type.
4	TO BUILD - The technical dimension of the project.
4	TO MEASURE - Value and use of geometry.
4	TO ARRANGE - Architecture as tectonic; basement, facade, crowning
4	TO CHANGE - The project of the new in the existing
5	TO KNOW - Anthology of examples of recovery and reuse of the existing
4	RECOVER - Strategies and tools for the recovery and enhancement of the existing
Hrs	Practice
6	The fence: definition of a space with the use of a wall
6	The pillar: definition of a space with the use of isolated vertical elements
6	The plan: definition of a space with the coverage
6	Excavation: definition of a space through subtraction operations
Hrs	Workshops
5	Preparation of equipment and project materials (references, critical references and contextual)
5	Preparation of equipment and project materials
5	Survey of an existing structure for the purpose of recovery
5	Return and design of an existing structure
5	Assisted activity for the elaboration of the project on an existing organism to be recovered: lecture, ideation and concept
5	Assisted activity for the elaboration of the project of an existing building in an urban context intended for equipment: definition of the general project
5	Project representation: drawings in orthogonal projections
5	Project communication and model construction