



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Ingegneria
ACADEMIC YEAR	2021/2022
BACHELOR'S DEGREE (BSC)	BUILDING ENGINEERING, INNOVATION AND RETROFITTING
SUBJECT	ARCHITECTURAL DESIGN 3
TYPE OF EDUCATIONAL ACTIVITY	B
AMBIT	50110-Architettura e urbanistica
CODE	20407
SCIENTIFIC SECTOR(S)	ICAR/14
HEAD PROFESSOR(S)	MARGAGLIOTTA Professore Associato Univ. di PALERMO ANTONINO
OTHER PROFESSOR(S)	
CREDITS	9
INDIVIDUAL STUDY (Hrs)	126
COURSE ACTIVITY (Hrs)	99
PROPAEDEUTICAL SUBJECTS	
MUTUALIZATION	
YEAR	3
TERM (SEMESTER)	2° semester
ATTENDANCE	Not mandatory
EVALUATION	Out of 30
TEACHER OFFICE HOURS	MARGAGLIOTTA ANTONINO Thursday 10:00 12:30 Studio personale (previo appuntamento)

PREREQUISITES	Experiences of previous Courses in the field of architectural design. Knowledge of representation of the architecture and landscape, of the architectural history, of the constructive techniques and the urban planning.
LEARNING OUTCOMES	Knowledge and ability of understanding: The acquisition of a wealth of critical awareness of the issues related to the design it is an expected result from the course, which is aimed to structuring a synthesis of knowledge capable to mature the development of a complex and integrated approach to the architectural design. Ability to apply knowledge and understanding: The course aims to provide students ability to practice, through a design, a synthesis of the knowledge acquired in the various previous disciplines that go to make up the articulated training of the Building Engineer, conducting a complex design process developing a maturity in the understanding of urban space and a method of critical judgment of ways to modify the land, in its part not only physical but also cultural. Independence of judgment: The course aims to develop an independent critical awareness in reading and interpreting urban space. Judging with competence and property of contemporary architectural language, making value judgments, then improves the ability of judgment even of own design work. In order to strengthen this independence of judgment, students will be asked to discuss significant works for their quality and complexity. Communicative ability: The representation, in all its codes and media, graphics, visual, is the vehicle to communicate the contents of the design research. Refining these representation techniques means further develop communicative abilities of design and appropriate in its language. Learning ability: The course aims to entrench in student awareness that the designer's job is based on a perennial learning ability that finds in the project a continuous time to study, research, synthesis and disciplinary integration, among different and seemingly separated moments, from reading architectural and urban space to interpretation of the signs exists and to the definition of the various design aspects, inside complexity of its innovative contents.
ASSESSMENT METHODS	Oral examination on theoretical topics covered and presentation-discussion on design proposals developed during the course. The assessment given in thirtieth will tend to verify: the knowledge gained and the ability to establish connections and critical evaluations of disciplinary theoretical contents of the course and the other disciplines involved in the architectural design process; the processing abilities, with the aim of being able to provide self-critical judgments about the implications of the design results in the field of contemporary architecture and with respect to the urban and socio-cultural context, placing them in professional reference of the building engineering; possession of an adequate explanatory ability, which demonstrates the property of language in the specific professional field. The mark, out of thirty, will be assessed on the basis of the levels reached. 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 use of language, excellent analytical skills. The goals achieved are considered excellent when the student has gained full knowledge of the subjects of the program, is able to express himself with lexical competence, is able to elaborate and express independent judgments based on the knowledge acquired. 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, critical ability. Good (25-24) - average ability to independently apply knowledge and skills to solve proposed project problems, basic knowledge of the main topics and mastery concerning general themes, satisfactory use of language and mediocre critical ability. Satisfactory (23-21) - limited ability to independently apply knowledge and skills to solve proposed project problems, the student does not have full mastery of the main teaching topics, but he has the knowledge, decent use of language, poor critical ability. 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, minimal knowledge of language, sufficient knowledge of the main topics of teaching even with gaps, minimal knowledge of technical language, very little, limited or no critical ability.

	Insufficient - Insufficient ability to independently apply knowledge and skills required to solve the proposed design problems, not acceptable knowledge of the project's communication / representation techniques; the student does not have sufficient and adequate knowledge of the contents of topics covered in the teaching.
EDUCATIONAL OBJECTIVES	The course aims to accompany student throughout the learning path that constitutes the elaboration of an architectural design, intended as a process of synthesis of multidisciplinary knowledge, aimed to the conception of an architecture of quality and to communication of its expressive, functional and constructive contents. It is basic in the design process to form an ability of research about contemporary architecture topics and a critical view of the contemporary architectural debate. The course will tend to develop a practical sense of theoretical acquisitions, deepening the different aspects of design research and architectural criticism, through examination of case studies and enucleation of specific disciplinary contributions. The course will elaborate the project for the recovery of an existing building in an urban context intended for equipment, developed with an appropriate architectural language, represented with advanced graphic systems.
TEACHING METHODS	Lectures on topics related to contemporary architectural culture.; Exercises and Workshops; Seminars and educational visits.
SUGGESTED BIBLIOGRAPHY	Aldo Rossi, "L'architettura della città", Marsilio, Padova 1966 ISBN: 8871158512 Robert Venturi, "Complessità e contraddizioni nell'architettura", Dedalo, Bari 1991 ISBN: 8822008111 Francesco Venezia, "Che cosa è l'architettura", Electa, Milano 2018 ISBN: 883708661X

SYLLABUS

Hrs	Frontal teaching
2	Inaugural lecture
3	Designing in the existing. Design in the built
3	Urban space and architectural space. Recovery and transformations
2	Historic city between conservation and innovation
3	The new and the existing. Architecture as modification
3	Living and living again. Persistence of form
4	Compatibility and new uses in the restoration project of existing buildings
2	Interpretation of the place
2	Place and memory
4	Design principles for sustainability
2	The project as multidisciplinary synthesis
5	Case studies
Hrs	Practice
6	Comparative analysis of case studies
6	Study and functional analysis (serving spaces and served spaces) of an existing building
6	Study and analysis of the structural components of an existing building
6	Inspection of a recovery site
Hrs	Workshops
5	Analysis of the context of the building subject to the planning intervention
5	Survey and redrawing of an existing structure for the purpose of recovery
5	Research and analysis of critical and contextual references to the project
5	Preparation of equipment and project materials
5	Assisted activity for the elaboration of the project of an existing building in an urban context intended for equipment: 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: model rendering and construction