



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Ingegneria
ACADEMIC YEAR	2022/2023
BACHELOR'S DEGREE (BSC)	BUILDING ENGINEERING, INNOVATION AND RETROFITTING
INTEGRATED COURSE	CONTEMPORARY HISTORY AND DESIGN - INTEGRATED COURSE
CODE	20424
MODULES	Yes
NUMBER OF MODULES	2
SCIENTIFIC SECTOR(S)	ICAR/18, ICAR/14
HEAD PROFESSOR(S)	SCADUTO FULVIA Professore Associato Univ. di PALERMO
OTHER PROFESSOR(S)	SCADUTO FULVIA Professore Associato Univ. di PALERMO RUSSO ANTONELLO Ricercatore a tempo determinato Univ. di PALERMO
CREDITS	12
PROPAEDEUTICAL SUBJECTS	
MUTUALIZATION	
YEAR	1
TERM (SEMESTER)	1° semester
ATTENDANCE	Not mandatory
EVALUATION	Out of 30
TEACHER OFFICE HOURS	<p>RUSSO ANTONELLO Wednesday 15:00 - 17:00 Canale Team previo appuntamento via mail</p> <p>SCADUTO FULVIA Friday 13:00 - 16:00 Dipartimento di Architettura, viale delle scienze, Edificio 14, Corpo C, I piano o per via telematica attraverso piattaforma teams, in alternativa al termine della lezione, sempre previa prenotazione via mail.</p>

PREREQUISITES	Basic Knowledge of the History of Contemporary Age; basic communication skills, knowledge of the rules of representation of architectural design techniques.
LEARNING OUTCOMES	<p>Knowledge and Comprehension Abilities: Basic Knowledge of the disciplines of History of contemporary Architecture and acquisition of the historical-critical instruments needed. 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; Contemporary architectural research.</p> <p>Ability to Apply Knowledge and Comprehension: Ability to a critical analysis of the historical architecture and its conceptions, design and construction processes and development of analytical criteria about architectural works of contemporary age. Ability to apply the rules governing the processes of composition, above all relating to constructive and technical choices. During the course it will be affirmed the operability concepts of the project as practice of dialogue with existing, activating a clear relationship with the place.</p> <p>Judgement Autonomy</p> <p>The skills and the Knowledge acquired will give students a critical system of references suitable for the formation of their own technic-scientific profile. The course aims to foster an adequate critical conscience in the students, concerning: the role of history, of materials and construction techniques in architectural design; understanding the quality of living and physical space; reading and interpretation of the existing; the ability to attribute valuable judgments.</p> <p>Communication Abilities Development of a technical-disciplinary vocabulary, descriptive and communicative abilities of history and project.</p> <p>Learning Abilities Development of historiographical knowledge and comprehension of architectural phenomena of contemporary age. The course intends to provide the basic knowledge both on theory and on the set-up tools for the project control, understood as process which gives coherence and meaning to the formal, technical and functional contents.</p>
ASSESSMENT METHODS	<p>Module "History of Contemporary Architecture": the student's evaluation includes an oral examination with a minimum of three questions on the entire program, allow to assess the level of basic knowledge achieved and the individual critical contribution. Students must demonstrate that they have assimilated the concepts and the reasoning of the lessons, drawn from the reference scientific texts. A progress test is scheduled at the end of the first module to verify the effectiveness of the course and the student's learning status.</p> <p>Module "Progettazione architettonica": the student's evaluation includes an oral exam and evaluation of exercises and design drawings produced during the course. The candidate must demonstrate the knowledges and skills acquired during the course through the presentation of the design drawings / exercises done 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 student will face the oral examination individually even in case he has done a group project and will be evaluated for the results obtained individually.</p> <p>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, which implies competence and knowledge of the topics covered, to a maximum level of knowledge, competence, autonomy and language. To pass the exam, which means getting a rating of not less than 18/30, the student must demonstrate a basic achievement of the goals. The goals achieved are considered basic when student demonstrates that he/she has acquired a basic knowledge of the topics described in the program, is able to operate minimal links between them, is able to demonstrate that he has acquired a basic level of independence of judgment, his language is enough to communicate with examiners.</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 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</p>

	<p>competence, is able to elaborate and express independent judgments based on the knowledge acquired.</p> <p>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.</p> <p>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.</p> <p>(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.</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, 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.</p> <p>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.</p>
TEACHING METHODS	Lectures, practice exercises, study visits and study tour, Films-documentaries' exhibitions

MODULE ARCHITECTURAL DESIGN

Prof. ANTONELLO RUSSO

SUGGESTED BIBLIOGRAPHY

Franco Purini, "Comporre l'architettura", Edizioni Laterza, Roma-Bari 2000 - ISBN 9788842061540

AMBIT	50110-Architettura e urbanistica
INDIVIDUAL STUDY (Hrs)	85
COURSE ACTIVITY (Hrs)	65

EDUCATIONAL OBJECTIVES OF THE MODULE

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: the acquisition of basic knowledge about the theoretical and formative aspects of the discipline; the knowledge of the application of the rules and instruments for the definition and the control of the design, with reference also to the contemporary architectural scene and the languages in place; experimentation, through the design of a simple architectural structure, understood as a synthesis of the formal, functional and technical-constructive instances aimed at physical and cultural definition of settlement space.

SYLLABUS

Hrs	Frontal teaching
2	Course inaugural lecture: Introduction to disciplinary matters, objectives, methodology
2	Ethics and esthetics of Architecture
2	Architecture as a logical process
3	Measure and proportion
3	Theory and practice of design
2	Architecture between form, technique and function
3	Techniques and materials in architectural design
4	Representation and communication of the architecture project
Hrs	Practice
6	Examples of modern and contemporary architecture
6	Comparative analysis of contemporary architecture
6	Breakdown and redesign of an assigned architecture
6	The construction of the model of the studied architecture
Hrs	Workshops
5	Aided activities for the project design of a simple organism - first project ideas
5	Aided activities for the project design of a simple organism - orthogonal projection representation
5	Aided activities for the project design of a simple organism - definition of the general project
5	Aided activities for the project design of a simple organism - construction of the model and communication of the project

MODULE HISTORY OF CONTEMPORARY ARCHITECTURE

Prof.ssa FULVIA SCADUTO

SUGGESTED BIBLIOGRAPHY

W.J.R. CURTIS, L'architettura moderna dal Novecento, [Londra 1982], III ed. it. Phaidon, Londra-New York, 2006, ISBN 9780714898629.

Ulteriori indicazioni bibliografiche o letture potranno essere segnalate dalla docenza durante il corso.

AMBIT	50109-Formazione di base nella storia e nella rappresentazione
INDIVIDUAL STUDY (Hrs)	98
COURSE ACTIVITY (Hrs)	52

EDUCATIONAL OBJECTIVES OF THE MODULE

Aim of this teaching is knowledge of the architectural culture of the Contemporary age and starting point of the educational process, focused to increase a historical and critical awareness of Contemporary age, along with the acquisition of methodological instruments. The course has been fought to provide interpretative instruments and critical reading of projects and of the architectural heritage within the period which goes from Industrial Revolution to current and radical events and transformations; at the end of the course every student will be more aware of the assimilated knowledge of the events, characters, projects, creations, languages. Students should know theoretical, scientific and operational aspects of architecture and should be able to use these acknowledgements to express and solve, even in an original way, problems which require an interdisciplinary approach. Finally the course aims to offer students a wider framework, which includes elements linked to the building site's material history, to construction, and both theories and ideas' development linked to the "project's culture".

SYLLABUS

Hrs	Frontal teaching
2	Presentation and introduction of course's themes and contents. Bibliography; methodological data and interpretative instruments. Explanation of course's development and of final written tests. The European context between 18th and 19th centuries. To the roots of Contemporary age: themes, characters and architectures in 1750-1800 Europe. I- The middle class city and the industrial one; II- The myth of progress and the technological evolution; III- The issue of Style.
2	The European context between 19th and 20th centuries . Searching for the "New Architecture". Art Nouveau: general features, biographical profile, works and theories of main characters in cultural contexts of different Countries (Belgium, Austria, Scotland, France, Spain, Italy).
4	The European context between 19th and 20th centuries. An alternative perspective to Art Nouveau: Adolf Loos's profile and works of architecture. "Masters of Masters" of the Modern Movement, profiles and works of architecture: Peter Behrens , Auguste Perret, Hendrix Petrus Berlage, Tony Garnier.
4	The American context. Between 19th and 20th centuries: the American avant-garde, Chicago School and creation of the skyscraper, Louis H. Sullivan Wright's master. Frank Lloyd Wright's profile and works of architecture.
2	Germany in the European context of early 20th century and between the two World Wars. Die Deutsche Werkbund. The artistic avant-gardes and German Architecture. Walter Gropius and Bauhaus (event, ideas, didactics, Teachers ecc.).
5	The "great" masters of Modern Movement and their role before and after Second World War: Le Corbusier: profile and works of architecture. Mies van der Rohe: profile and works of architecture.
4	Main Characters of XXth Century. The Scandinavian Context. Alvar Aalto: profile and works of architecture. The American Context from New Deal to the "Monumental theme": Louis Kahn: profile and works of architecture.
3	Italian Architecture in the 20th Century: themes, main characters and works of architecture.
2	Some contemporary Characters between Latin Ameica and other Continents: Luis Barragán, Oscar Niemeyer, Kenzo Tange.
Hrs	Practice
4	Example of Study: Characters of Contemporary Age (1970-2010).
4	Example of Study: Characters of Contemporary Age (1970-2010).
4	Example of Study: Characters of Contemporary Age (1970-2010).
4	Films and documetaries' screening
4	Mock exam and other forms of exercise..
4	study visits and study tour.