



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Architettura
ACADEMIC YEAR	2021/2022
BACHELOR'S DEGREE (BSC)	ARCHITECTURE AND PROJECT IN BUILT SPACE
SUBJECT	ARCHITECTURAL RESTORATION - STUDIO
TYPE OF EDUCATIONAL ACTIVITY	B
AMBIT	50110-Architettura e urbanistica
CODE	04258
SCIENTIFIC SECTOR(S)	ICAR/19
HEAD PROFESSOR(S)	PRESCIA RENATA Professore Ordinario Univ. di PALERMO
OTHER PROFESSOR(S)	
CREDITS	8
INDIVIDUAL STUDY (Hrs)	104
COURSE ACTIVITY (Hrs)	96
PROPAEDEUTICAL SUBJECTS	
MUTUALIZATION	
YEAR	3
TERM (SEMESTER)	2° semester
ATTENDANCE	Not mandatory
EVALUATION	Out of 30
TEACHER OFFICE HOURS	PRESCIA RENATA Monday 13:00 14:00 presso la sede di Agrigento Wednesday 09:30 13:30 V.le delle Scienze Ed. 14 stanza 130 corpi a C

DOCENTE: Prof.ssa RENATA PRESCIA

PREREQUISITES	In order to understand the topics covered and to achieve the training objectives , the student must have gained knowledge of history , architectural drawing, static and architectural technology .
LEARNING OUTCOMES	<p>Knowledge and ability 'to understand: Knowledge of the most important issues in the field of restoration, in reference to the development of the discipline and the development of theories and techniques; ability 'to use the specialized vocabulary; acquisition of advanced tools for in-depth knowledge of historical architectures. The student must 'demonstrate the maturation of knowledge, the ability' to understand the topics covered and the analytical and planning method applied, referring to the theoretical and methodological contents of the restoration discipline in Italy and in the world. Capacity 'to apply knowledge and understanding: Students must demonstrate the ability' to analyze the historical architecture and to draw up the analytical and design documents of architectural restoration. Making judgments: the ability 'independent judgment. Maturation also through the integration of different knowledge to produce terms of the restoration project, re-use and compatible use of the architectural heritage. Students need to know to evaluate critically, in every stage of the design process, the knowledge achieved and the quality 'of conservation and restoration. Enable 'communication: Students must demonstrate their ability' to process graphically (freehand and by electronic means) and in writing, in a concise and descriptive clarity, the contents of the restoration project. They will also demonstrate the capacity to manage the complexity' of knowledge to be integrated in the project. Capacity 'Learning: Students must demonstrate that they have developed the ability' of observation and reflection that can 'feed the student's independent study, the ability' to make use of a methodology based on theoretical and methodological basis for the resolution of problems related to historical architecture. The student must identify principles and criteria for the restoration and must possess the ability 'to upgrade through the different sources of knowledge (eg scientific publications).</p>
ASSESSMENT METHODS	<p>At the end of the course and 'expected a substantial oral examination in an interview to ascertain the possession of skills and subject knowledge provided by the course; the student, in particular, must display the projects of the restoration which drafted. The questions are aimed at attesting the learning outcomes and tend to verify the knowledge captured, the processing capacity and possession of adequate display capacity. Among the aspects that will be reviewed are:</p> <ul style="list-style-type: none"> - The ability to establish connections between the content of the course; - The ability to provide independent judgments about the subject content; - Understanding of the applications or implications under the regulations; - The potential insertion within the professional context and socio-cultural reference. The awarded rating and therefore in relation to the understanding of the disciplinary aspects, to enable in expressing the content of the course and the mastery in the ability to represent well contextualizable ideas and solutions within the professional scope. <p>Examination and individual and the assessment is carried out of thirty in the following format. Excellent evaluation: excellent knowledge of the topics, excellent property 'language, excellent capacity analytic, students and 'able to successfully apply the knowledge to solve the problems proposed.</p> <p>Very good evaluation: good mastery of the subjects, full ownership of language, the student and able to apply the knowledge to promptly solve the problems proposed.</p> <p>Good evaluation: Basic knowledge of the main topics, discreet property 'language, with good ability' to independently apply the knowledge to the solution of the proposed problems.</p> <p>Satisfactory evaluation: basic knowledge of the main topics of teaching and technical language, little ability to independently apply the acquired knowledge.</p> <p>Enough evaluation: minimum basic knowledge of the main teaching and technical language issues, lack of ability 'to independently apply the knowledge gained.</p> <p>In particular, the final evaluation will be structured as follows: Excellent (30-30 cum laude), very good (26-29), good (24-25), satisfactory (21-23), sufficient (18-20).</p>
EDUCATIONAL OBJECTIVES	<p>The course aims to instill in students the basic techniques for the formation of a critical spirit that can serve as a guide for this activity 'design within the architecture Restoration. The teaching aims to provide students with the basic knowledge that is necessary for the design of the restoration work of the works belonging to the architectural heritage. The lessons and exercises are designed to treat the historical and theoretical issues of restoration with the purpose 'to train future architects active in the conservation of architectural heritage, historical, artistic and environmental. The course aims to instill in students the basic techniques for the formation of a critical spirit that can serve as a guide for this activity 'design within the architecture Restoration. They are inspired by the current positions of the Italian School of Restoration, conservative matrix. The contents of the Laboratory of Restoration are, in</p>

	<p>particular, geared to provide students with critical insights inherent in the knowledge of ancient architectural factories, the recognition of forms of degradation and collapse, the instrumental diagnostics and restoration techniques.</p> <p>The course aims to provide students with the basic knowledge to plan and carry out diagnostic investigations, preferring those from the non-destructive or minimally invasive, using the tools and methods of operation more 'correct' in order to draw up effective diagnosis to support the conservation work of the architectural heritage. During the course students will practice in the recognition of materials and construction techniques, the preparation of the Thematic mapping of degradation, of damage and of the conservation work, which make up the elaborate restoration project. Students also learn to navigate the choices of intervention focusing on the methodologies that are more compatible with the architectural field and in respect of the compatibility criteria of reversibility and minimal intervention. The preparation of the project and conducts suggesting students the use of standardized vocabulary and provides the choice of restoration techniques.</p>
TEACHING METHODS	lectures , lessons distancing, guided tours, seminars, exercises in the classroom .
SUGGESTED BIBLIOGRAPHY	<p>S. F. Musso, Tecniche di restauro. Aggiornamento con Banca Dati, UTET, Torino 2013; (ISBN 978-88-598-0815-2)</p> <p>D. Fiorani (a cura di), Restauro e tecnologie in architettura, Carocci, Roma 2009. (ISBN 978-88-430-4813-7)</p> <p>R.Prescia, L. e T. Panzeca, A.Mami, P.Di Franco, Il restauro tra conservazione e sicurezza, grafill, Palermo 2016 (ISBN 978-88-8207-848-5).</p> <p>Altro materiale didattico per lo studio della disciplina, per la redazione delle prove in itinere e per l'elaborazione del progetto di restauro, saranno messi a disposizione dalla docenza.</p>

SYLLABUS

Hrs	Frontal teaching
4	Presentation of the course; illustration of the methods of implementation; areas and objectives of the discipline; reference bibliography and evaluation.
5	Issues: Restoration and conservation; monument and cultural heritage, history, historiography; The principles of the discipline: authenticity, distinguishability, compatibility, reversibility, "minimal intervention".
6	Synthesis of restoration theories. Cross-reading of maps and reference standards: International and national restoration papers, Code of Cultural Heritage and Landscape and Rules for Public Works.
5	Reading and care of the materials of historical architecture: stone materials, wood and metal. The traditional building systems: structures in elevations, floors and vaults, roofs and vertical connections. Decorative and finishing elements.
5	Integration of Relief and History for Restoration: construction of the register of the historical regimen of architecture; study of archival and bibliographic sources and its transcription in the survey; paper of historical stratifications.
10	Knowledge of the state of conservation: identification of the degradation of materials and their causes; Program of the diagnosis. UNI /Normal Lexices and drafting of thematic maps
10	Knowledge of the state of conservation: identification of the instability of the structures and their causes; Program of the diagnosis. Drafting of the "cracking pattern".
10	Program of conservation material's and consolidation of structures
5	Proposals for re-functionalization, accessibility and enhancement
Hrs	Workshops
30	Exercise on the recognition and analysis of stone materials degradation according to the UNI 11182/2006 document; Exercise on the recognition and analysis of structural instability; Project of restoration, reuse and enhancement of a historical-architectural pre-existence, . Analysis of a text in its historical - figural, technical - constructive components and identification of its alterations in materials (degradation) and structural equilibrium (instability). Drafting of the monument according to the reference lexicons.