
Testi del Syllabus

Resp. Did.	D'AVINO STEFANO	Matricola: 002419
Anno offerta:	2015/2016	
Insegnamento:	AI238 - RESTAURO ARCHITETTONICO	
Corso di studio:	700M - Architettura	
Anno regolamento:	2012	
CFU:	6	
Settore:	ICAR/19	
Tipo Attività:	B - Caratterizzante	
Anno corso:	4	
Periodo:	Primo Semestre	
Sede:	PESCARA	



Testi in inglese

Lingua insegnamento	Italian; the seminars (project of restoration) can be taught in English for students who require
Contenuti	The course offers the student, as a future architect, the contents needed to deal with the project aimed at the conservation and restoration of architectural heritage. The contents point out the analysis of the architectural heritage, through the survey of the building and the study of bibliographical and archival sources.
Testi di riferimento	G. CARBONARA, Trattato di restauro architettonico, 4 voll + aggiornamenti, Torino 1996 e anni successivi A. BRUSCHI, Indicazioni metodologiche per lo studio storico dell'architettura, in AA.VV., Lineamenti di storia dell'architettura, Assisi-Roma, Carucci, 1978 G. CARBONARA, Analisi degli antichi edifici, in Idem (a cura di), Trattato di restauro architettonico, Torino, U.T.E.T., 1996, vol. 2° C. VARAGNOLI, Abruzzo da salvare/1, Villamagna di Chieti, Tinari, 2008 F. GIOVANETTI (a cura di), Manuale del recupero del Comune di Città di Castello, Roma, D.E.I. - Tipografia del Genio Civile, 1992 A. GIUFFRÈ' (a cura di), Sicurezza e conservazione dei centri storici. Il caso di Ortigia, Bari, Laterza, 1993 (cap. 3, 4, 5, 6) C. VARAGNOLI, La materia degli antichi edifici, in G. Carbonara (a cura di), Trattato di restauro architettonico, Torino U.T.E.T., 1996, vol. 1° C. VARAGNOLI, La costruzione tradizionale in Abruzzo. Fonti materiali e tecniche costruttive dalla fine del Medioevo all'Ottocento, Roma, Gangemi 2008
Obiettivi formativi	The main objective is the training and development of specific skills in the approach to historical heritage in architecture. Thus, we will try to stimulate specific expertise in the survey and in the diagnosis of condition of a building. The training will necessarily have to go through the experience of the project on a specific building. Only in this way, the student will be able to understand the complexity of conservation in

architecture.

Prerequisiti

It's required an extensive knowledge of architectural history and fundamentals of statics, science of construction and survey techniques. It is also crucial the acquisition of the main principles of the restoration and the knowledge of current debate in the discipline, as it is developed in the course of "Theory and history of restoration." (Cfr. Tecniche del restauro, Varagnoli)

Metodi didattici

The contents will be presented in classes and in exercises about buildings that need to be preserved or restoration work. Students will be invited to make projects of restoration after dealing with the analytical phase, and diagnostics.

Modalità di verifica dell'apprendimento

The evaluation takes place at the end of the course by an oral examination and discussion on the restoration project. Other checks are made during the course through short exercises and multiple choice quizzes. The checks are an integral part of the final evaluation.

Programma esteso

A. PHILOLOGY IN ARCHITECTURE

1. The survey in architectural and restoration studies.
2. Bibliographic, archival, iconographic sources.
3. Vernacular architecture: original functions and later alterations
4. The "stratigraphic" method in architecture.

DETERIORATION PROCESSES

1. Phenomena due to water: the moisture and its causes.
2. Physical alteration. Chemical weathering.
3. Deterioration due to biological agents.
4. Other forms of deterioration.
5. Cases of structural damages.

DIAGNOSTICS

1. The survey of deteriorated surfaces and structures. Survey of cracks and moisture.
2. In situ and laboratory tests. Non-destructive tests.

SETTING THE RESTORATION PROJECT

1. Conservation and design in the current debate.
2. The treatment of gaps, the principle of "minimum intervention", the principle of "reversibility".
3. Contemporary architecture in ancient contexts.
4. Searching for appropriate functions in the restoration of architectural heritage