

RESTORATION LABORATORY PROGRAM  
ARCHITECTURAL RESTORATION L-17 THREE YEARS

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The course aims to provide the methodological and operational tools to face the project of intervention on the monument and the historical building, stimulating reflection on the theoretical foundations of the discipline of architectural restoration and confronting with the solicitations and needs of a new compatible use of the existing. The theme of the restoration course is the project of conservation of the architectural heritage: therefore the objective is to offer the student a method of approach to the artefact to be preserved that interprets, through careful historical research and an accurate survey of the geometry of the structure, the phases of construction and evolution of the building, the reading and analysis of its state of conservation, the intrinsic and extrinsic phenomena that caused it, and finally identify the remedies for a good conservation; finally outline the guidelines for a compatible reuse

MAIN THEMES

1. GUIDELINES FOR RESTORATION, the main theoretical positions of the current debate in relation to some issues closely related to the project: authenticity, minimal intervention, reversibility, reuse, accessibility, historical knowledge and project;
2. READING AND ANALYSIS, survey and research: architecture intended as a palimpsest, historical research (bibliographical sources, iconographic) archival research, photographic survey, geometric and architectural survey, stratigraphic reading related to materials surveys constituent;
3. READING AND ANALYSIS OF THE STRUCTURE AND MATERIALS: survey of the state of affairs, degradation and instability (UNI11182 / 2006)
4. PROJECT OF CONSERVATIVE RESTORATION INTERVENTIONS

The course is divided into two phases: the first will address in general the issues related to the knowledge, protection and development of theories of restoration in a chronological sense.

In the second phase the topics related to the reading of the built through the survey, the reading of the materials and of the architectural and decorative apparatuses will be examined in depth; later through the analysis of the "state of fact" the main alterations and pathologies of the materials will be found. The deepening of these themes will be realized through the exercises. Some seminars on specific topics will support the deepening of the main issues and problems of restoration and conservation.

The evaluation will be carried out through the examination of the restoration project elaborated following the theoretical lines of the restoration and the methods of reading the built and the environment, the ability to analyze and identify the characteristics of the buildings in question both from the point of view of the materials and constructive techniques, identify the pathologies and causes of these and indicate the operations to be carried out. Finally, a project of intended use compatible with the principles of restoration must be presented. The final interview will focus on the topics covered during the course.

It is considered necessary to consult the main magazines on restoration: in particular "Restoration", "Ananke", "Archistor", "Confronti. Papers of architectural restoration".

#### EXERCISE CARD

The course will address the main issues through an exercise that will be held at the City of Castoreale, where they have identified the buildings of historical and architectural value that the students will have to analyze. Students will be divided into groups to which a single artifact will be entrusted. The work will focus on the following phases:

- Knowledge
- Reading
- Analysis
- Project

Through the following documents:

- Territorial framework
- Historical research of the site, of the particular artefact, regesto
- Photographic survey
- Geometric survey (external and internal trilateration, cutting) 1: 100 scale (plans, elevations, sections)
- Survey of the building materials, through the architectural redesign of the building in 1: 100 scale (plans, elevations, sections)
- Survey of the deterioration and disruption of which the building is hit, according to the indications of UNI11182 / 2006 for stone materials, while for the other materials present will be given indications during the lessons; analysis of the causes and interventions to be implemented in view of the 1: 100 scale use function (plans, elevations, sections)
- Masterplan reuse project

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#### BIBLIOGRAPHY

G. CARBONARA (edited by), Architectural restoration treaty, Utet, Turin 1996, Voll. I-IV; Voll. V-VII (Plants); Voll. IX-XI (and updates);

S. F. MUSSO (edited by), Recovery and restoration of historic buildings. Practical guide to surveying and diagnostics, II edition, EPC libri, Roma 2006;

E. GIURIANI, Consolidation of Historic Buildings, Utet - Sciences and Techniques, Turin 2012, ISBN 978-88-598-0763-6;

C. CAMPANELLA, The survey of the buildings, methodologies and techniques for the intervention project, Dario Flaccovio publisher, Palermo 2017, ISBN 9788857906515;

## THEORY OF RESTORATION

Arch. Nino Sulfaro

The course will address the following topics:

- Introduction to architectural restoration. Relations with other disciplines. Terminology issues.
- Meaning and role of the monument in the pre-modern tradition. The Middle Ages: continuity, detachment, knowledge of the ancient. Rebirth and restoration of antiquity in the sixteenth century: the attitude towards the Middle Ages. Religious renewal and attention to Christian antiquities in the second half of the sixteenth century. Developments in the baroque age.
- The birth of modern restoration: the eighteenth century.

Restoration in painting and sculpture: patina, authenticity and reversibility; the figure of the restorer and the role of the scholars: L. Crespi; B. Cavaceppi and J.J. Winckelmann; P. Edwards in Venice.

- Restoration, archeology, neoclassicism: experiences on ancient monuments in Rome and Italy in the early nineteenth century.

Legislation and organization of protection in the Italian pre-unification states.

- Protection and conservation in France. The A. Lenoir museum. A.-Ch. positions Quatremère de Quincy. The "empirical" phase of the restoration. The activity of the Commission des Monuments Historiques and the formation of the principles of stylistic restoration.

- E.E. Viollet-le-Duc. The theoretical production: the Dictionnaire. The main restoration interventions: the Madeleine in Vézelay; Notre-Dame in Paris; the synodal palace of Sens; Carcassonne; the castle of Pierrefonds.

- Aesthetic and literary addresses in 18th-century England: the garden and the ruins. The relapse on restoration: J. Wyatt. Ethical foundations in the revaluation of the past: A.W. Pugin. The thought of John Ruskin and its European spread. Restoration and revival in the nineteenth century English: G.G. Scott. W. Morris and the Society for Protection of Ancient Buildings.

- Restoration and architectural debate in Italy in the mid-nineteenth century. Camillo Boito: theoretical principles, achievements and influence on the national debate.

- Conservation and restoration in Italy in the second half of the nineteenth century. The relationship between history and restoration in L. Beltrami. The organization of the national protection service. Knowledge and reinvention of the past: A. D'Andrade and A. Rubbiani.

- Opening to the theme of the city: C. Sitte, Ch. Buls. G. Giovannoni. Old cities and new construction. The historiographical method; the theoretical positions on the restoration and the realizations.

- Second post-war period and the problem of reconstruction. Restoration as a critical act: Pica, Pane, Bonelli. The Venice Charter.

- Cesare Brandi's thought: assumptions, conceptual articulations, applicative outcomes.

- News from Alois Riegl's contribution to restoration and conservation.

- The 1970-2000 debate: "pure conservation" and attention to material culture; integrated conservation.

- Theory and practice of restoration today: the theme of authenticity; contemporary architecture and intervention on the works of the past; the restoration of twentieth century architecture. New conservation roles: from aesthetics to ethics.

#### **BIBLIOGRAPHY**

G. CARBONARA, Approach to restoration. Theory, history, monuments, Liguori, Naples 1997; Other educational material will be provided during the lessons.