

FACULTY OF **ENGINEERING**

DEGREE COURSE: **CIVIL AND ENVIRONMENTAL
ENGINEERING BS**

SUBJECT: PRINCIPLES OF BUILDING RESTORATION

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OBJECTIVES

This course will cover:

1. Knowledge of historical and traditional buildings, from both a formal and structural point of view
2. The study of the preparation of construction equipment for the works of building restoration and rehabilitation.
3. Learning the history of thought about the restoration.
4. The relationship between restoration, building rehabilitation, building renovation, the Urban Recovery, consolidation and archaeological studies.
5. The analysis of the principles of restoration and the relationships between restoration and urban development.

CONTENTS

Building types and historical and traditional construction elements
the Architectural Order

technical systems of building

construction vehicles and structures to be used in the field of restoration of monuments
and of urban and building renewal

The history of thought in the field of restoration: the beginnings, the birth of the Modern
Restoration as understood in the XVIII and XIX centuries, the Stylistic Restoration, the
Historical Restoration, the Scientific Restoration, the main theories on restoration in the
XX century.

ASSESSMENT

Written exam: multiple choice and open questions

RECOMMENDED TEXTBOOKS

- Spiridione Alessandro Curuni "Guida allo Studio Diretto dell'Edificio Storico" Pisa, Edizioni Plus, 2009
- Maria Piera Sette "Il Restauro in Architettura" Torino, Utet, 2001
- Paolo Marconi "Il Restauro e l'Architetto – Teoria e pratica in due secoli di storia" edito da Marsilio, ultima edizione 2002.

Where not available in bookshops, these books can be found in local, regional, national and university libraries (see OPAC SBN), or on book selling websites (new or used).

