

# Master Degree Program

## Master of Science – Architecture a.a. 2024-2025

# First year – first semester

For students admitted to the Master's Degree in Architecture-Architectural Design, the intensive integrative course in **Structural Mechanics** is active. Knowledge of the topics covered in the course is a necessary prerequisite for successfully following the courses in Construction Science and Technology (ICAR/08-ICAR/09). The course, which takes place in September, is mandatory for students coming from other universities and strongly recommended for students coming from the Degree Course in Architectural Sciences at Roma Tre.

## Technological and environmental innovation in Architecture

6 ects

*class I* – Adolfo F.L. Baratta  
*class II* – Chiara Tonelli

## History of contemporary architecture

8 ects

*class I* – Marida Talamona  
*class II* – Maddalena Scimemi

## Digital techniques for architectural representation

6 ects

*class I* – Daniele Calisi  
*class II* – Laura Farroni

## Geometries and parametric models

4 ects

*class I* – Corrado Falcolini  
*class II* – Fabio Briscece

# First year – second semester

## Architectural design studio 1M

### Architectural design

8 ects of 10

*class I* – Luigi Franciosini  
*class II* – Giovanni Longobardi

### Building physics and plants

2 ects of 10

*class I* – contract  
*class II* – contract

## Structural design studio 1M

8 ects

*class I* – Stefano Gabriele  
*class II* – Ginevra Salerno

## Architectural restoration project

6 ects

*class I* – Paola Porretta  
*class II* – Francesca R. Stabile

## Second year – first semester

### Architectural design studio 3M

#### Architectural design

8 ects of 18

*class I* – Lorenzo Dall’Olio

*class II* – Luca Montuori

#### Urban planning

4 ects of 18

*class I* – Lucia Nucci

*class II* – Anna Laura Palazzo

#### Open space design

2 ects of 18

*class I* – Alessandro Gabbianelli

*class II* – Alessandro Gabbianelli

#### Urban economy

4 ects of 18 (combined classes)

*class I* – Francesca Parente

*class II* – Francesca Parente

### Structural design studio 2M

8 ects (combined classes)

*class I* – Davide Lavorato

*class II* – Davide Lavorato

## Second year – second semester

### Project and building sites for restoration

6 ects

*class I* – Paola Porretta

*class II* – Francesca R. Stabile

### Final exam

10 ects

# Elective courses – annual

## **Seminario Villard**

8 ects

Lorenzo Dall'Olio (6) – Alessandro Gabbianelli (2)

# Elective courses – first semester

## **BIM – Parametric and rule basic design**

4 ects

Stefano Converso

## **Diagnostics of ancient and modern buildings**

4 ects

Silvia Santini

## **Elements of urban design**

4 ects

Marco Burrascano

## **Philosophy, fundamentals and approach to safety at work**

4 ects

Alfredo Simonetti

## **Inclusive design**

4 ects

Adolfo F.L. Baratta

## **Architectural design in Architectural and urban design studio**

offered in Master of Science – Urban design

8 ects – Francesco Careri

## **Construction history**

4 ects

Tullia Iori

## **History of 20<sup>th</sup> Century Italian architecture**

4 ects

Marida Talamona (2) – Federica Causarano (2)

## **History of modern art - LM**

6 ects

offered in Department of Humanities

Silvia Ginzburg

## **History of the city and built environment**

8 ects

offered in Master of Science – Urban design

Maddalena Scimemi (4) – Federica Angelucci (4)

## **Urban studies: spaces and communities**

8 ects

Giovanni Caudo

# Elective courses – second semester

## **Ancient architecture: theories, types and techniques**

8 ects – offered in Master of Science - Restoration  
Mauro Mussolin (4) – contratto (4)

## **Civic arts**

6 ects – offered in english  
Francesco Careri

## **Dynamics in architecture**

4 ects  
Fabio Bruni (2) – Ginevra Salerno (2)

## **Shells and membranes: form finding and optimization**

4 ects  
Stefano Gabriele (2) – Valerio Varano (2)

## **Innovation in territorial government**

6 ects  
offered in Master of Science – Urban design  
Marco Ranzato

## **Laboratory of landscape observation and interplay**

6 ects  
Annalisa Metta (3) – Marco Ranzato (3)

## **Ape design studio - landscape architecture and urban ecology**

8 ects – offered in Master of Science - Restoration  
Annalisa Metta (6) – contract (2)

## **Experimental design – restoration workshop**

8 ects  
Francesco Cellini (4) – M.M. Segarra Lagunes (4)

## **Urban markets and real estate developers**

4 ects  
contract

## **Models and languages of modern photography-LM**

6 ects – offered in Department of Humanities  
Antonello Frongia

## **Processes of reuse and adaptive reuse of heritage**

4 ects  
contract

## **Projects and building sites for restoration**

4 ects  
Antonio Pugliano

## **Rome and the Renaissance**

4 ects  
Francesca Mattei

## **Roma-Madrid. House and city**

6 ects – only for 3<sup>rd</sup> year LT  
Milena Farina (2) – Valerio Palmieri (2) –  
Andres Canovas Alcaraz (1) – Sergio Martin Blas(1)

## **Sentimental topography: project and place in the *Other Modernity***

4 ects – offered in english  
Carlotta Torricelli

## **History and methodology of analysis in architecture**

4 ects  
Saverio Sturm

## **Contemporary issues in architectural restoration in Europe and behind**

4 ects  
Maria Margarita Segarra Lagunes

## **Theory of architectural research**

4 ects  
offered in Master of Science - Restoration  
Francesco Careri

## **Transitional landscapes. Heritage making and mindscape in time of global change**

4 ects – offered in english  
Federica Fava

## **Urban morphology**

6 ects – offered in english  
Giuseppe Strappa