

Erasmus+



Funded by the
European Union

TRAINEESHIP Short Term a.a. 2025-2026

Reggio Calabria to Madrid



MADRID: Digital design strategies for Enhancement of Heritage, Architecture and Design in the digital era

AURORA PISANO

University Mediterranea of Reggio Calabria, Italy



Overall objectives of the mobility

- The primary objective of this traineeship is to guide students from the Architecture and Design courses in exploring digital strategies for enhancing historical heritage through guided tours, workshops, and academic meetings.
- The project aims to analyze how urban spaces, architectural heritage, and modern design practices coexist and how these elements can be **documented, interpreted, and disseminated** through **digital tools**.
- The experience will foster critical thinking and practical skills, preparing participants, teachers and students, to address the challenges of heritage conservation and design promotion in the context of **global digital transformation**.
- This initiative therefore aims to consolidate and enhance existing partnerships, fostering mobility and the development of joint projects at various levels between the Mediterranea University and the Universidad Politécnica de Madrid.



Students involved in the traineeship



31 Students from the three-year degree course in **Design**

10 Students from the two-year master degree course in
Design for Mediterranean Cultures. Product | Space | Communication

47 Students from the five-year course in **Architecture**



THREE-YEAR BACHELOR'S DEGREE COURSES

- Design (L-4 R) -
- Civil and Environmental Engineering for Sustainable Development (L-7 R) -**
Curricula: Civil | Environmental | Transport Infrastructure | Civil Engineering
- Computer and Tele communications Engineering (L-8 R) -**
- Electronic and Biomedical Engineering (L-8 R)* -**
- Management Engineering (L-9 R) -**
Curricula: Industrial Automation | Sustainable Energy | Business Processes
- Mechanical Engineering (L-9 R) -**
Curricula: Production plants | Vehicles
- Biological Sciences for the Environment (L-13 R)* -**
- Biotechnology for Sustainability (L-2 R) -**
Pending initial accreditation
- Sciences of Education and Training (L-19 R) -**
Curricula: Early childhood educator | Socio-pedagogical educator
- Sports Sciences and Sports Law (L-22 R) -**
- Agricultural Sciences and Technologies (L-25 R) -**
- Forestry and Environmental Sciences (L-25 R) -**
- Food and Gastronomic Sciences and Technologies (L-26 R) -**
- Nursing (L/SNT1 R)* -**
- Economic Sciences (L-33 R) -**
Curricula: Business and Economic | Law and Economic

**Inter-university with University Magna Graecia of Catanzaro*

TWO-YEAR MASTER'S DEGREE COURSES

- Design for Mediterranean Cultures. Product | Space | Communication (LM-12 R)
- Civil Engineering (LM-23 R)
- Computer and Telecommunications Systems Engineering (LM-27)
- Electronic and Biomedical Engineering (LM-29)
- Engineering for Sustainable Environmental and Energy Management (LM-30 R & LM-35 R)
Curricula: Protection from natural and anthropogenic risks | Sustainable energy management
- Pedagogical Design and Managing of Educational Services for Minors (LM-50 R)
- Economics (LM-56 R)
Curricula: Economics and Business Law | Behavioral and Environmental Economics
- Sciences and techniques of preventive and adapted motor activities (LM-67 R)*
- Mediterranean Agricultural Production Sciences (LM-69 R)
- Food Quality and Safety Sciences (LM-R)
- Sustainable Management of Forest and Mountainous Landscapes (LM-73 R)

**Inter-university with University Magna Graecia of Catanzaro*

FIVE-YEAR SINGLE-CYCLE MASTER'S DEGREE COURSES

- Architecture (LM-4 cu R)
- Primary Teacher Education (LM-85 bis)
- Law (LMG/01 R)

PHD COURSES

- Architecture
- Law and Economics
- Information Engineering
- Agriculture, Food and Forestry Sciences
- Civil, Environmental and Industrial Engineering

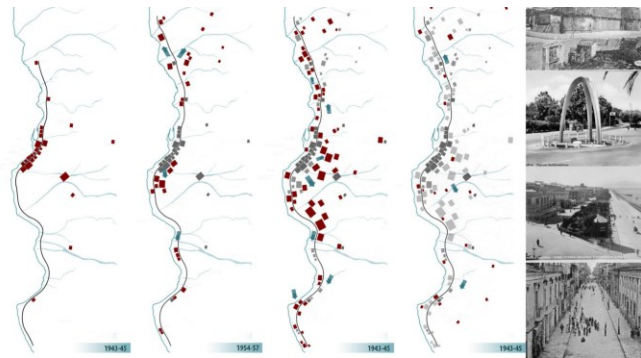
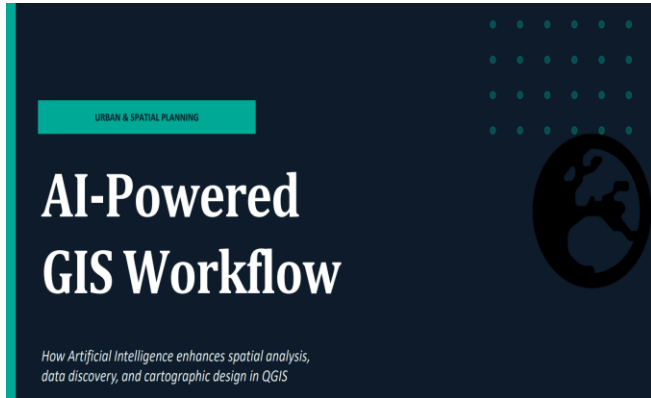


Student guide
academic year
2026/2027





Architecture fourth year



The project explores the application of Artificial Intelligence to GIS systems and urban planning, The work proposes an innovative vision for Reggio Calabria, focused on sustainability, mobility, and urban regeneration.

Architecture fourth year

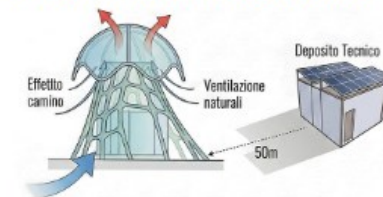


Architecture last year

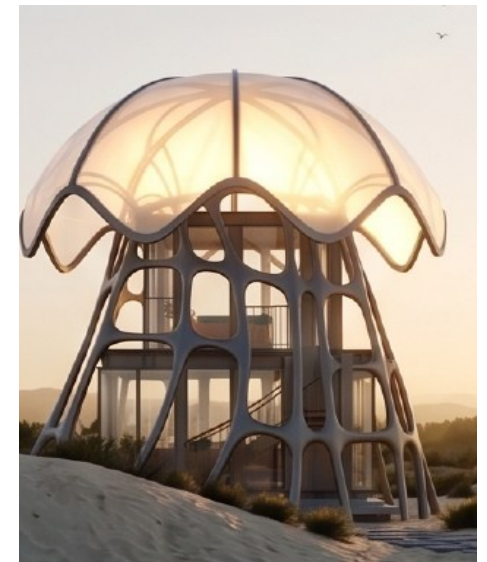
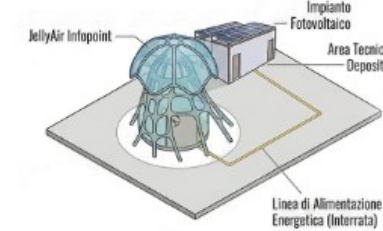
Advanced functional micro-architectures



BIOCLIMATIC SECTION AND TECHNICAL WAREHOUSE



OFF-SITE ENERGY INTEGRATION





THE "GROOT" SOLUTION



Design third year bioinspired project :

"GROOT" (The Decompression Den) combines sensory-supportive spaces for neurodivergent children with bio-inspired forms derived from natural tree structures, while integrating artificial intelligence as a conceptual tool to evolve hand drawn ideas into an immersive and buildable architectural design

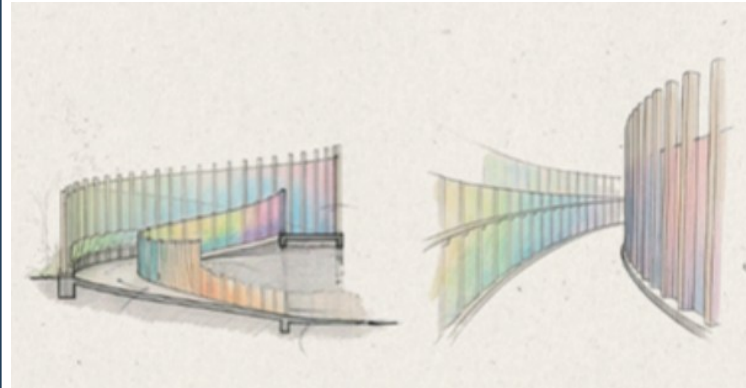


SHAPE AND STRUCTURE 2025|2026

PROF. AURORA PISANO

ANDIDERO SARA

THE "AURA" CONCEPT



Design third year bioinspired project :

"Aura" is a sensory structure inspired by natural spirals and the golden ratio, designed to encourage exploration and play through light, color, and movement. The project combines inclusivity, perceptual experience, and structural research within an immersive space for children.



SHAPE AND STRUCTURE 2025|26
PROF.SSA AURORA PISANO



1009210 ERIKA LUPPINO
200656 GIUSY TORCASO



Università Mediterranea di Reggio Calabria

Aurora Pisano

Reggio Calabria to Madrid
June 2026

CORSO DI TECNOLOGIA DELL'ARCHITETTURA | II ANNO | A.A. 2025/2026 | II DIPARTIMENTO DI ARCHITETTURA E

thinktanktalent
re-hospitality

Redesign //



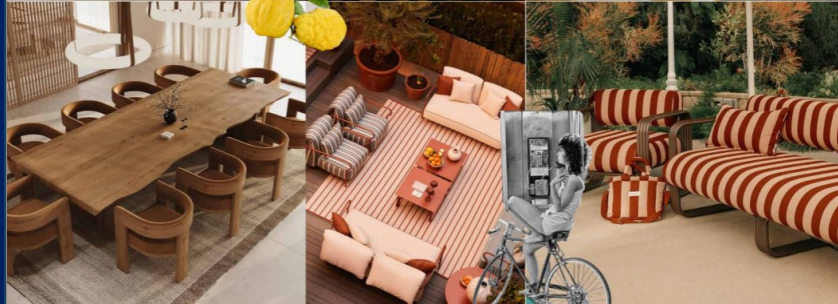
Modular Flow
Project

Design third year project

The project describes an exercise conducted during the architectural technology courses given by Professors De Capua and Trombetta, whose goal was to address a real need expressed by an entrepreneur in the urban tourist village sector. The project involved the design of several common areas and the village's corporate identity. Students: De Capua & Sinicropi



Design third year project: Feeling nostalgic



GLORIA NUCERA, GIADAMARIA NICOLÒ, GIULIA TOSCANO, GIOVANNI PAVONE, CLAUDIO SCIMONE, ELISA DIOMEDE, AED, MTA, thinktanktrust, TARGET EURO, and other logos.

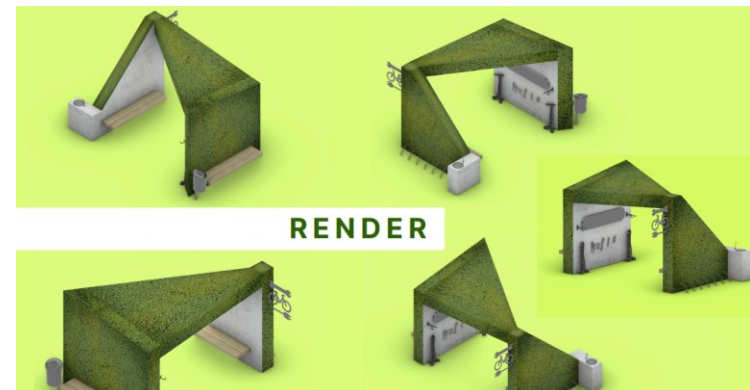
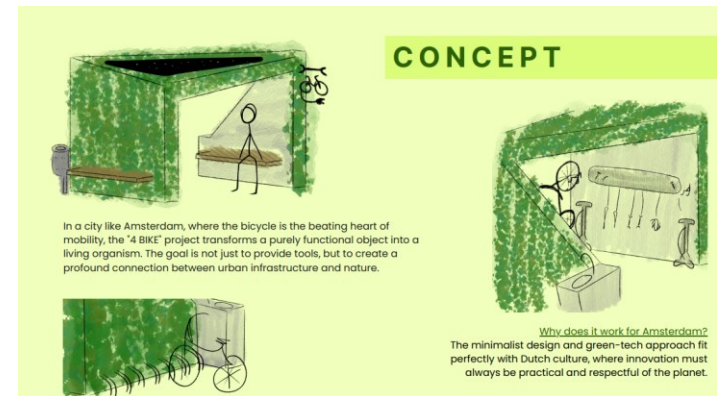
MADRID: Digital design strategies for Enhancement of Heritage, Architecture and Design in the digital era
Professors: Francesco Bagnato - Alberto De Capua – Paolo Fuschi - Aurora Pisano – Antonella Sarlo



Design first year project

«modular designer bench»

Design second year project





AI & DESIGN

VIDEO AS AN EXTENSION OF YOUR CREATIVITY

How can Designers use artificial intelligence to bring their projects to life and communicate them more powerfully to clients?
My Personal Journey

Presented by
Karol Carassai

Design master degree project

How can designers use artificial intelligence to bring life to their projects? This presentation explores the journey of a fashion design student and founder of the small brand Karol Carassai, where creativity and AI merge to transform designs into immersive visual campaigns and digital storytelling.

Frames in motion Design e Ai

“Frames in Motion” combines art, design, and artificial intelligence to transform static images into animated cinematic experiences. A project that explores new forms of storytelling through the connection between human creativity and technological innovation.

Design master degree project

