



A.D. 1308

unipg

DIPARTIMENTO
DI INGEGNERIA
CIVILE E AMBIENTALE

INTERNATIONAL DOCTORAL PROGRAM IN CIVIL AND ENVIRONMENTAL ENGINEERING A.A. 2023-2024 (XXXIX Ciclo)

INNOVABILITY: INNOVATION FOR SUSTAINABILITY – June 2024 - 4 CFU - 24 hours

Today we move in changing patterns that need to respond rapidly to social, cultural, environmental and political stimuli. Sustainable innovation models therefore take on the character of high flexibility and adaptability. From product and its lifecycle to strategic and systemic design, via service design and product-service systems (PSS), the design world sees, on the one hand, the approach to environmental sustainability, which refers to the protection of the ecosystem, availability, quality and renewal of natural resources; on the other hand, the focus towards for social sustainability, which promotes conditions of well-being for human beings, aiming at improving the quality of life.

Therefore, the course aims to provide tools and methods to develop skills in analysing and critiquing the reference context. Subsequently, define the insights of designing scenarios, systems and services that effectively respond to sustainability challenges, concerning the best possible future scenarios.



4 Giugno 2024 - Prof. Jurji Filieri, University of Tuscia

Relational design.

9:00 / 11:00 The project as a complex relational network.

Focus on Public mobility and public engagement.

11:00 / 13:00 Case histories, methods, and tools of design processes for the strategic enhancement of weak relational components around the product.

14:00 / 16:00 Workshop session. Analysis and rendering of the relationship pattern, which is relevant in order to position a product or brand on the market.



6 Giugno 2024 Prof.ssa Maria Dolores Morelli, University of Campania

ECOdesign for quality of life.

09:30 / 11:30 Ecodesign vs design for sustainability

11:30 / 13:30 Innovation in Product Design: tools and methods

14:30 / 17:30 Moira design: the project.

12 Giugno 2024 - Prof. Gabriele Goretti, University of Pisa

Advanced Craftsmanship.

9:00/11:00 Design-Driven Innovation Paths in Made in Italy Manufacturing Districts.

Focus on the Furniture Sector.

11:00 / 13:00 Design-Driven Innovation Paths in Made in Italy Manufacturing Districts.

Focus on the Fashion Industry.

14:00 / 16:00 Defining a design-driven strategy for manufacturing. From desk research to design directions



13 Giugno 2024 - Prof.ssa Benedetta Terenzi, University of Perugia

Design for Innovability.

9:00 / 11:00 Design for Ecological e Digital Transition.

11:00 / 13:00 Design for Social challenges.

14:00 / 16:00 Workshop session. Scenarios from the design approach. Tools and methods for the sustainable innovation process.

