

La formazione
che fa bene

PERSONE

MASTER CIRCULAR

Circular Architecture: Shapes and Methodologies

Director: Federica Ottone / **Co-director:** Roberta Cocci Grifoni

Scientific Committee: Federica Ottone, Roberta Cocci Grifoni, Lorena Alessio, Elena Barthel, Alessio Battistella, Luca Galofaro, Consuelo Nava, Francesca Olivieri, Eleonora Paris, Mostafa Rabea Khalifa, Fabio Renzi, Emanuele Naboni, Roberto Ruggiero.

"I want NextGenerationEU to kickstart a European renovation wave and make our Union a leader in the circular economy. But this is not just an environmental or economic project: it needs to be a new cultural project for Europe. Every movement has its own look and feel. And we need to give our systemic change its own distinct aesthetic – to match style with sustainability. This is why we will set up a new European Bauhaus – a co-creation space where architects, artists, students, engineers, designers work together to make that happen".

(State of the Union Address by President von der Leyen at the European Parliament Plenary - 16 September 2020)

APRIL 2021 / MARCH 2022

GOALS

In just a few years the effects of climate change on the planet have become evident. The awareness of their consequences on human health is today fueled by evidence that, gradually in the last decades, has generated concern, but also new policies and new approaches towards environmental change, especially in Europe. Among the sustainability aims underlying these policies, the rationalization of the use of natural resources is highly strategic. With specific reference to the construction field, there is today a new focus on building materials and the impacts deriving from their extraction, use, production, installation and disposal. In the frame of a desirable building culture oriented to the principles of circular economy, the theme of innovative use of waste materials in construction is, therefore, one of the most advanced sustainability objectives; an objective requiring new skills, but that on the other side promotes the creation of new markets as well as new "creative" possibilities for architectural design.

The Master is intended as a link between the training and the profession.

Integrating the knowledge of those who have dealt with the world of architecture, engineering and design, the Master aims to form a figure of designer/expert who wants to compete with an idea of architecture resulting entirely from the valorization of new or used spaces and materials, aimed at being renewable, natural, biobased, recyclable and reusable also in sectors other than the original one, through a circular upcycling process.

SKILLS

The professional figure that you intend to train will have specific skills in the following fields:

- Know how to outline innovative strategies for the design of "renewable" buildings, destined to recycle and be recycled in a continuous and circular process of transformation of spaces and building components.
- Being able to recognize and use reversible and disassemblable technologies.
- Know how to use materials and design spaces that entail a minimal waste of energy.
- Know how to use and interpret with critical capacity the recent regulations referring to CAM (Minimum Environmental Criteria) as basic requirements to outline scenarios compatible with the new environmental challenges.
- Know how to use some complex parametric and computational design tools at a basic level in the context of a project methodology oriented to the upcycling project.
- Know how to use some interface software packages for the production with digital fabrication techniques of building components.

APPLICATION DEADLINE: 22/03/2021

ADMISSION REQUIREMENTS

This program is aimed at university graduates from the following areas: Architecture, Landscape Architecture, Urban Planning, Urban Design, Engineering, Environmental Design, Industrial Design.

SEAT

Ascoli Piceno/School of Architecture and Design "E. Vittoria" seat of Sant'Angelo Magno.

Teaching will take place once week a month alternating face-to-face and remote lessons. For the remaining weeks, students will be able to carry out their work or internships in companies, organizations or professional firms.

REGISTRATION

Admission to the Master is subject to the approval of the Scientific Committee, which is based on the candidate's academic and professional curriculum and on the academic qualifications achieved.
TUITION FEES - The cost of this program is € 4.500 including teaching material, workshop experience, and the regional tax (€ 140,00).

INFORMATIONS

If you want to know more about this program fill out the form on the address:

<https://www.unicam.it/miiscrivo/iscrizionemaster>

If you have any questions write an email to:

mariafederica.ottone@unicam.it

roberta.cocci@unicam.it

They will respond to your enquiry.

CONFERENCES/SEMINARS

An international conference will be organized to present the results of the Master.

There will be seminars with experts and companies.

WORKSHOP

The three workshops (July, January, February) will be in two consecutive weeks. Three different topics will be addressed: regeneration of urban landscape, existing buildings and design of new buildings.

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