



Master's Degree in Design for Resilience

MASTER'S DEGREE IN DESIGN FOR RESILIENCE

Start date
September

ECTS Credits
60

Course Duration
400 hours

Language
English

Degree
Master's Degree in Design for Resilience, degree awarded by Universitat de Vic – Universitat Central de Catalunya (UVic-UCC).

Schedule
Monday, Tuesday and Friday.
From 5 pm to 9.15 pm.

Course Leader

AMAIA CELAYA

Architect with experience in design, urban planning and international humanitarian action. Expert in models of resilience and in risk management, as well as in issues of sustainability and climate action. Before joining as an expert at the United Nations (UN-Habitat), she worked in the private sector for 16 years leading her own architecture and urban planning studio. She has also worked in the Emergency Response Unit of the European Commission's Directorate-General for Humanitarian Aid and Civil Protection (ECHO). Expert/evaluator for the Horizonte 2020, CORDIS, UIA (Urban Innovative Actions) programs of the European Commission in the field of resilience, safe societies and nature-based solutions since 2015. She is also an expert in the Technical Committee ISO / TC 292 - Security and resilience.

CARMEN MALVAR

PhD from Winchester School of Art, University of Southampton (UK), Bachelor of Science from Escuela de Arte y Artesanía Maestro Mateo (Spain), and Bachelor of Architecture with honours from Pratt Institute School of Architecture (USA). She is Director of Atelier Malvar + Tusch in New York, where she specialises as a designer and brand/commerce consultant. Founder of CADA, a platform that promotes local artisans in Oaxaca (Mexico).

Presentation

How can design improve people's lives, from a resilience-based approach? The Master's Degree in Design for Resilience trains professional agents of change who believe that a better world is possible through design.

How can design transform our environment for the better, from an environmental awareness and activism? How can it contribute to a fairer and more ethical society, based on global knowledge and at the same time supporting grassroots initiatives?

The discipline of design must have knowledge about its ethical and political implications (environmental, sociocultural and economic), in addition to the code of ethics associated with each practice. The analysis of the international scene, with its different agendas, and of the real needs that the world currently experiences and that affect the designer work, is necessary.

The Master's Degree in Design for Resilience enables the student to assume and consolidate tasks of responsibility in the development and implementation of strategies, products, services or new business activities. These tasks must be based on a resilient design, integrating approaches and scales, from the product/service in the city/ region, or from climate action to the proposal that allows improving the economic situation of a community.

This program is proposed from a "learning by doing" approach to train agents of change in design for resilience. From the beginning of the course, the student will be responsible for creating, developing and operating a real project, with real products or services for transformation.

The Master focuses on creating conditions so that agents of change can be trained as impact entrepreneurs and as vectors of transformation in the 21st century society. The course is aimed at people with a proactive attitude, open to the world and to the transformation, committed to the environment and willing to dare to create environmentally sustainable, socially fair and economically viable transformative projects. We need ambitious agents of change who believe that a better world is possible through design.

Course aims

- To identify and understand the main concepts on resilience, to develop designs with maximum impact on the matter.
- To know the main contexts and approaches in which resilience is developed.
- To develop specific capacities for a resilient design, which allows relevant and high-impact solutions for positive transformation.
- To develop specific adaptive and agile management skills, understanding the need for iterative review and successive adjustments, from collaborative and empathic leadership techniques.
- To incorporate the contents learned into real situations on various scales.
- To successfully implement new initiatives that solve relevant problems and needs from a focus on resilience.

Admission requirements

Official university degree or equivalent in Design, Engineering, Architecture or Art.

Competences

- To understand the transformative capacity of design, incorporating uncertainty and risk in the analysis.
- To understand the contexts (geographical, spatial, functional, organizational and/or governance) in which a project is developed.
- To apply critical thinking to imagine a better world thanks to the work of the designer community as agents of change.
- To formulate designs for resilience, turning problems into opportunities.
- To know different methods, techniques and tools in the field of adaptive and agile design management.
- Being able to work in a team, understanding motivations and roles, and developing innovative initiatives in uncertain environments.
- To manage and lead multidisciplinary work teams based on the principles of empathy and collaboration.
- To be able to develop and apply skills for autonomy and entrepreneurship, from an orientation towards transformative actions.

Syllabus

MODULE 1

Foundations, Approach and Scales of Resilience

We will identify and understand the main concepts on which resilience is based to develop maximum impact designs. This block offers content on the fundamentals of the resilience concept, its principles, dimensions and characteristics, fostering a debate on the concept itself, its origin and development through different disciplines in recent years.

MODULE 2

Design from a Strategy for Resilience

We will learn to develop specific capacities for a resilient design, which allows relevant transformative solutions. We will create different strategies that incorporate socio-climatic risks and impacts, with their cultural and economic components. This block focuses on issues related to eco-design, from a focus on rights for people in vulnerable situations, with adaptive and mitigating strategies, and with climate action. We will study the potential of remediation and eco-systemic recovery strategies, seeking positive impacts beyond neutrality, always counting on the beneficiary and/or end user.

MODULE 3

Tools, methodologies and processes

We will develop specific adaptive and agile management capabilities, understanding the need for iterative review and its successive adjustments, from collaborative and empathic leadership techniques. We will learn about tools, standards and processes associated with designs that generate and develop resilience with different methodologies and techniques based on real experiences.

This block focuses on learning dynamics that explore adaptive and flexible management and implementation concepts, seeking maximum practicality, without giving up the key objectives related to projects. We will also work on contemporary and disruptive approach and empathy methodologies, establishing the bases for the development of projects from a real collaboration and co-production with other disciplines, promoters, clients and/or end users.

MODULE 4

Collaborative workshops

We will incorporate the contents learned into real situations at various scales and from the approaches that are necessary in each case. We will participate in a microdesign workshop to learn how to make an impact with the minimum possible resources, incorporating content on ongoing proposals from grassroots communities. We will hold another workshop around the intermediate scale of the domestic and living, from the understanding of what our day-to-day dynamics are. And finally, we will learn innovative solutions on an urban and/or territorial level, with a focus on international cooperation and innovation.

MODULE 5

Final work of master

The final project is the best opportunity to synthesize all the learnings of the Master. We will obtain the right tools and knowledge to define and solve problems in an innovative and collaborative way from the perspective of resilience.

Career opportunities

You will be able to act as an agent of change for transformation and resilience linked to design as:

- Entrepreneur, creating their own start-up or company.
- Consultant specialized in aspects related to innovation and resilience in its climatic and social spheres, accompanying diverse organizations such as public administrations, large corporations, associations or non-profit entities and SMEs.
- Reviewer and manager of practices and proposals for resilience in City Councils, municipalities or companies, as head of programs and projects, including those related to corporate social responsibility.

Lecturers

JORDI MORATÓ

Doctor in microbiology with 20 years of experience in research, education and management of sustainable human development projects.

NICOLA TOLLIN

Professor of Urban Resilience at the University of Southern Denmark.

ANDREU GATUELLAS

Psychologist, team coach, researcher in cognitive neuroscience, specialist in emotional intelligence, trainer and lecturer.

N'UNDO TEAM

Group of architects who re-architect, intervening in the territory and the city from Non-Construction, Minimization, Reuse and Dismantling.

TEAM LOBELIA BY ISARDSA

Experts in Earth observation data and climate projections to assess vulnerabilities, risks and opportunities associated with different climate scenarios for particular cases and regions of interest.

GRETA TRESSERRA

Architect and urban planner, specialized in sustainable development and international cooperation.

RICARDO GUASCH CEBALLOS

Researcher and member of the team responsible for Elisava Research's "Decoding Well-Being".

CRISTINA GONZÁLEZ

GRACIANTEPARALUNCETA

Psychologist with extensive experience in the humanitarian sector (UNICEF) and in human resource management.

MIGUEL URQUÍA

Emergency shelter coordinator at UNHCR from Geneva (Switzerland).

CURRO CLARET

Industrial designer, social designer, as it is a tool to generate processes of inclusion, collaboration and co-design with groups of people in a situation of fragility.

NIKOLAY NIKOLAIEV

Analyst and strategist, he currently works in the Department of Architecture of the Sakha Republic (Russia).

DANIEL LEWIS

Consultant at the UN (United Nations).

MIQUEL CORRAL

Collaborator at the Department of Information Systems Architecture at the Barcelona Municipal Institute of Informatics and developer of graphic profiles of resilience and data modelling with UNHabitat.

MIQUEL CARRILLO

Chemical engineer, member of Engineering Without Borders, the Catalan Cooperation Council and the Peace Promotion Council.

JORDI CORTÉS

Sociologist and political scientist, specializing in International Relations and Cooperation. Responsible for Direct Cooperation Projects of Barcelona City Council.

MÓNICA SANS DURAN

Leading the Awasuka Program since 2015, dedicated to improving the habitat in rural Nepal. Interested in music as a channel for the dissemination of healthy habits in rural communities.

SÉBASTIEN THOMAS

Head of the Resilience and Livelihoods Unit - Oxfam Intermón and Co-Director of the Oxfam Resilience Knowledge Center at Oxfam Intermón.

MORE INFORMATION

→ elisava.net

Bold category members of Elisava Alumni Association enjoy a 15% reduction.

The teaching staff is likely to change according to reasons beyond the course programme. Elisava reserves the right to make changes in programming as well as the right to suspend the course two weeks before it starts if not reached the minimum number of participants, without further obligation of the amounts paid by each participant.

Master's and Postgraduate Degree programmes schedules can be expanded according to the selected course activities (weekends included).