

Official Master's Degree in International Cooperation Sustainable Emergency Architecture

— 9th Edition





Rocinha, favela in Rio de Janeiro, Brazil



The ever growing impact of climate change, military conflicts, rapid urbanisation and economic crises represent a clear need and opportunity for qualified professionals in both developed and developing countries. This Master's degree is a unique degree programme which has a multiple focus on international cooperation, sustainable urban development and emergency architecture. It provides students with the necessary theoretical and methodological background in order to develop an interdisciplinary approach and manage cooperation and sustainable development projects ranging from the urban to the architectural scale. Professionals involved in these areas need to understand that their role in the complex system of international cooperation is to seek holistic solutions that combine both interdisciplinary knowledge and participation from citizens. It is essential to understand the physical, social and cultural substrate of the cities or territories in which we are going to intervene and analyse the context at all scales throughout the intervention process in order to establish a critical approach and proposals in accordance with their urban legacies. The programme includes courses that will help implement and complete this necessary multidisciplinary approach with alternative planning, urban and architectural strategies that promote social cohesion. This Barcelona-based Master's degree, is a second-year option within the Mundus Urbano master, forming part of the prestigious Erasmus Mundus European Cooperation Programme.

Academic accreditation

University Master's Degree accredited by the Spanish Ministry of Education

Coordination Team

ESARQ-School of Architecture,
UIC Barcelona, Barcelona campus

Dates and timetable

— From September to February classes are from Monday to Friday from 10 am to 5 pm; From March to May Thesis development (end of May thesis defense); June, July and August internship period

Information and admissions

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masteremergencyarchitecture.com

Incoming Students

Holders of university degrees in the following areas: Architecture, Urban Development, Planning, Urban Design, Landscape Architecture, Engineering, Geography and International Cooperation.

Academic teaching staff

Directors

Carmen Mendoza Arroyo

Holder of a PhD in Urban Design and Planning. She is an Associate Professor in the School of Architecture. UIC Barcelona. Her research focuses on the physical and social regeneration of degraded neighbourhoods in the Metropolitan Area of Barcelona and informal settlements in South America.

Sandra Bestraten

An architect. Her research focuses on housing and cooperation in developing countries. She has been President of the NGO Universities without Borders – USF, for the last 10 years, involving the development of urban planning and social and educational facilities through social participation.

Coordinator

Raquel Colacios

An architect and holder of a Master's degree. She is assistant professor and director of the Area of Cooperation in the ESARQ-School of Architecture. UIC Barcelona. Her research is focused on the recognition and reinterpretation of the social infrastructure layer through a process of living and mapping social networks as part of the urban design process.

Assistant Coordinator

Allison Koornneef

An Environmental Designer and holder of this Master's degree. She is researching how urban design process in informal settlements can improve the safety of women and their access to sanitation.

Academic staff

The Master's programme is taught by a prestigious group of specialised, interdisciplinary professors and lecturers with proven track records. Likewise, NGO's and other institutions participate actively in the course in the area of international cooperation. The academic staff also includes researchers from the four universities involved in the Mundus Urbano programme: Isabelle Anguelovski, Camilo Boano (UCL), Paul Cabrera (MSF), Kathrin Golda-Pongratz, Nabeel Hamdi (Oxford Brookes University), Clara Irazabal (University of Missouri), Dan Lewis (UN-Habitat), experts from IFRC, Sergio Palleroni (CPID), Maggie Stephenson (UCL), Lorenzo Chelleri (GSSI), Gonzalo Sanchez-Teran, Hug March, Mbongeni Ngulube, Apen Ruiz, Emilio Hormias and Marta Benages.

Curriculum: 60 ECTS

Module 1

Emergency Shelter and Settlements /12 ECTS

- Course 1A: Introduction to Emergency and Urban Development/3 ECTS
 - Course 1B: Humanitarian Shelter and Settlements *Course certified by the IFRC (International Federation of Red Cross and Red Crescent Societies)/6 ECTS
 - Course 1C: Urban Growth and Resilience/3 ECTS
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Module 2

Urban Development And Community Design /6 ECTS

- Course 2A: Governance, Participation, and Social Design/3 ECTS
 - Bottom-Up Strategies for Urban Regeneration/3 ECTS
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Module 3

Socio-Spatial Strategies /12 ECTS

- Course 3A: Socio Spatial Workshop for integrated Urban Upgrading/3 ECTS
 - Course 3B: Participation as a Tool for Upgrading/3 ECTS
 - Course 3C: Environmental justice and Urban development/3 ECTS
 - Course 3D: Participatory planning and community design/3 ECTS
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Module 4

Internship /15 ECTS

Module 5

Master's Thesis /15 ECTS

Language: English

Collaborators

We have a growing list of prestigious entities, organisations and institutions that make internships available to our students:

- UN HABITAT CRPP (City Resilience Profiling Program) (Barcelona, Spain)
- GWOPA (Global Water Operators' Partnerships Alliance) (Barcelona)
- UNHCR (United Nations High Commission for Refugees)
- Center for Public Interest Design (Portland, USA)
- Housing Department Sao Bernardo do Campo (Sao Paulo, Brazil)
- Médicos sin Fronteras (Barcelona, Spain)
- SPARC (Society for the Promotion of Area Resource Centres) (Mumbai, India)
- TAO-Pilipinas (Manila, Philippines)
- UCLG (United Cities Local Governments) (Barcelona, Spain)
- Universidad Nacional de Colombia. Escuela de Planeación Urbano Regional (Medellín, Colombia)
- VPUU (Violence Prevention through Urban Upgrading) (Cape Town, South Africa)
- Pla Estel (Barcelona)

Objectives

— Students will be introduced to different contexts and situations so as to acquire the proper skills to develop their critical analysis and ability to manage complex problems. They will learn to maximise human resources to deal with and support local actors in post-disaster and post-conflict scenarios and tackle urban upgrading strategies in both developed and developing countries.

— The course objectives are to provide the necessary theoretical and methodological background to work in the complex System of International Cooperation, all based on an interdisciplinary approach. Also, to manage cooperation and sustainable development projects ranging from the urban to the architectural scale.

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Studying in Barcelona

Start the most important learning experience of your life in one of the main European cities. Barcelona is a cultural and financial role model and a city where your knowledge can adapt to multiple professional opportunities.

UIC Barcelona, our campuses

Classes are held on our Barcelona campus and also our Sant Cugat campus, which has a total area of more than 35.000 m². Each Faculty has the best facilities and latest generation equipment for both theoretical and practical classes.

Find out more about the admissions procedure, reserving a place and enrolment here uic.es/masters
Click on uic.es/becas-masters to find out more about funding programmes, discounts and grants.

uic.es/architecture

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ESARQ
School of Architecture