



Master's Degree of International Cooperation in Sustainable Emergency Architecture

Official master · 2nd edition · 2010-2011 Academic Year

ESARQ School of Architecture



Universitat Internacional
de Catalunya

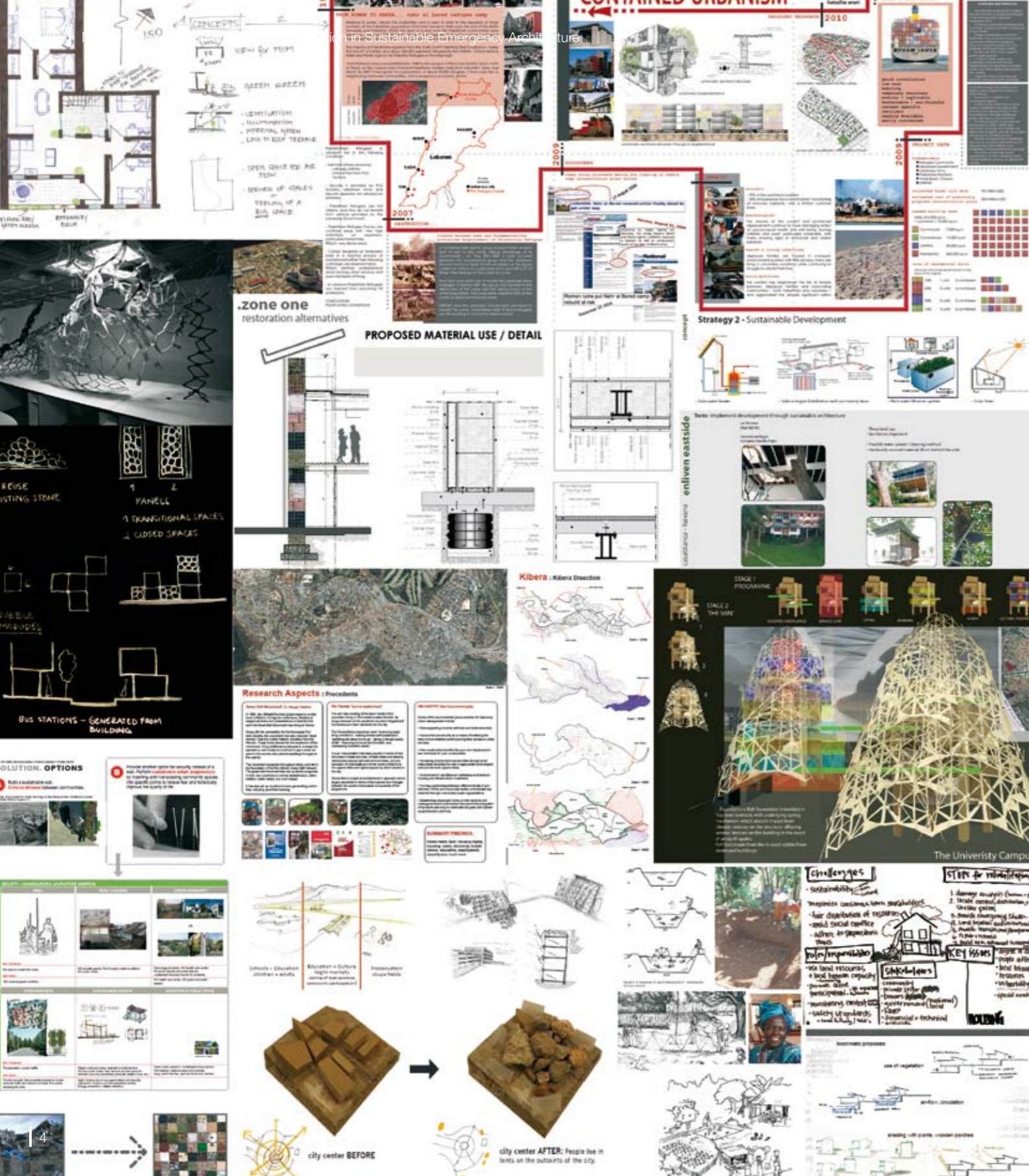
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www.uic.es



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01. Presentation of Objectives



There is a clear need for qualified professionals in developing countries who can develop projects and manage urban-planning processes. These countries have some of the highest urbanization rates in the world and it is here where international cooperation is most needed. However, issues related to high-speed transformation are also affecting cities in developed countries in the northern hemisphere.

The impact of earthquakes, tsunamis, migration and war can make the situation even more critical, with intervention required in the areas of construction, architecture and urban planning. Plans must be implemented for temporary developments and settlements using quick construction processes that are efficient under extreme conditions. Existing resources have to be managed and solutions offered that can be implemented in this type of situation where work must be done under different forms of pressure.

The purpose of the Master's Degree of International Cooperation in Sustainable Emergency Architecture (Official master) is to prepare future architects and professionals to deal with these situations and develop urban planning, housing and emergency construction projects. These professionals have to be able to arrive at these non-places and use specific tools to apply the appropriate strategies and help communities affected by such disasters. The programme therefore aims to train experts to provide solutions to large-scale problems generated by massive change, professionals who can study and do research on materials, city planning, the economy, the environment and society, based on environmentally friendly and sustainable principles.

This Master's Degree Programme forms part of the Erasmus Mundus European cooperation programme, which is considered one of the most prestigious programmes in the world. The Mundus Urbano programme is a joint European Master's degree programme offered by the following universities: Technische Universität Darmstadt, Università di Roma Tor Vergata, Université Pierre-Mendès-France Grenoble and the Universitat Internacional de Catalunya in Barcelona.



Giovanna Carnevali
Programme Director

02. Curriculum



Programme Structure

The programme is structured in three different parts to prepare students to develop a thesis on action methods in complex, fragile scenarios.

The first part, **TERM 1 – CRITERIA**, introduces the theory of the programme and delves into the parameters required and their form of implementation in emergency scenarios.

The second part, **TERM 2 – FIELD TRIP & INTERNSHIP**, includes a trip outside Europe to see places with developing needs or that have been affected by a disaster. Students participate in an internship in a company or institution working in an area of international cooperation.

In the third and final part, **TERM 3 – STUDIO PROJECT**, students start on their individual research projects under the supervision of a tutor. The project will focus on specific emergency scenarios, urban developments, prototypes and disaster management. This part of the programme includes lectures on practical matters and methodology to help students develop their studio project.

Syllabus and Subjects

TERM 1

01. Seminar 1. Cities, Urbanism and Development
02. Seminar 2. New Roles for Architects and Urban Planners
03. Seminar 3. Globalization, Citizenship and Identity
04. Seminar 4. Urban Minimums. Urban Ecology and Sustainable Design
05. Workshop 1. City Minimums. Urban Models
06. Seminar 5. People and Societies
07. Seminar 6. Other Modernisms. Transformation of Tradition
08. Seminar 7. Integrated Process Housing Project
09. Seminar 8. Parameters
10. Seminar 9. Resources
11. Workshop 2. Emergent Thinking
12. Seminar 10. A Settlement
13. Seminar 11. Sustainable Emergency Protocols
14. Workshop 3. Minimum Cost Design
15. Seminar 12. Design Parameters

TERM 2: FIELD TRIP & INTERNSHIP

The most practical part of the course will take place during the FIELD TRIP & INTERNSHIP.

TERM 3: STUDIO PROJECT

The thesis will be prepared in Term 3.



Methodology and Evaluation

Students must attend at least 80% of the theory-practical classes. Students will be evaluated each seminar. In January, students will submit a written report to the committee on the research they plan to carry out in TERM 3 – STUDIO PROJECT, along with a summary of the structure and content of their thesis.

At the end of the programme, students will defend their thesis before the academic and/or professional committee, made up of sector specialists and experts.

Internships

In the second part of the course (FIELD TRIP & INTERNSHIP), students will travel to an area affected by a disaster to carry out the corresponding fieldwork activities. Students will also participate in an internship in a local non-governmental organization (NGO).

Thesis and Research Work

In the third part of the course (TERM 3 – STUDIO PROJECT), students will prepare their thesis, which will be supervised by their tutor. Students can select a topic from the following areas: urban development, prototypes and emergency management.

In the third part of the course, students will attend conferences given by experts, who will talk about different subjects related to the programme. Students will also participate in sessions in which they receive guidance on research writing.

03. Staff



The Master's programme is taught by a prestigious group of specialized, interdisciplinary professors with proven track records and with the collaboration of NGOs and other institutions that participate actively in the field of international cooperation. The academic staff is also composed of researchers from the four universities collaborating with the Mundus Urbano programme.

Programme Director and Assistant Director

DIRECTOR

Giovanna Carnevali

Architect and PHD in "Transport, logistic and territory" at University of Genoa, Italy. She is the coordinator of "Architecture for Humanity Spain in Barcelona". She is co-founder of "SELF Arquitectura" and she won many architectural and urban international competitions. Some of those projects have been published in monographs of Italian architects under 40. She was invited at Biennale di Venezia of 2004. She is author of different articles of architecture in specialized reviews and international publications.

ASSISTANT DIRECTOR

Raquel Colacios

Degree in Architecture (ESARQ School of Architecture, UIC) and director of the Cooperation Area of the ESARQ (UIC).

Professors in previous years

Dr. Massimo Faiferri, Dr. Javier Peña, Dr. Marcel Vellinga, Dr. Carmen Mendoza, Sergio Palleroni, Dr. Ana Marta Amaro, Dr. Amit Kumar, and Mundus Urbano Scholars: Yatin Pandia, Ph.D., Jacqueline Pólvara, Xiangning Li, Eman Amad, Ph.D., Yang Guiqing, Ph.D., Mario Coyula, Ph.D. and Carmen Ledo, Bryan Bell, Tom Corsellis, Alexander Levi, Roberto Ottolenghi, Ruben Pesci, Amanda Schachter, Shigeru Ban, Alison Brysk, Richard Burdett, Monique Eleb, Iacopo Gallico, Medina Hadziha Sanovic, Anne Lacaton, Andre Loeckx, Peter Marcuse, Lorenzo Romito, Antonella Vitale, Laura Vescina and Ken Yeang.

04. Information of Interest



Coordinating Centre

The Sustainability Area and Cooperation Area of the Escola Superior d'Arquitectura de Barcelona of the Universitat Internacional de Catalunya, ESARQ (UIC).

Calendar/ Schedule / Location

TERM 1 – CRITERIA, October-January, Monday to Friday, seminars: 3 to 7 p.m., and workshops: 9 a.m. to 7 p.m.

TERM 2 – FIELD TRIP & INTERNSHIP, February-March.

TERM 3 – STUDIO PROJECT, April-July, Monday and Wednesday, 3 to 7 p.m.

Programme Length

The programme will be taught from October 2010 to July 2011.

Campus

Campus Barcelona

Credits: Theory Credits, Practical Credits and Personal Work Credits

The syllabus has a total of 60 ECTS distributed in the academic year as 29.5 theory credits, 15.5 personal work credits and 15 practical credits.

Who is the Course for?

Holders of university degrees in the following areas: Architecture, Urban Development, Construction, Civil Engineering, Design and International Cooperation.

Language

English.

For more information, visit:

www.masteremergencyarchitecture.com
www.uic.es/international-cooperation
www.mundus-urbano.eu

Collaborating Universities

This Master's degree programme forms part of the Mundus Urbano programme of Erasmus Mundus, in collaboration with three European universities: Technische Universität Darmstadt, Università di Roma Tor Vergata and Université Pierre-Mendès-France Grenoble.

Access Routes

ROUTE 1: Enrolment on the website to study the Master's Degree Programme of International Cooperation in Sustainable Emergency Architecture at the UIC's ESARQ School of Architecture.

ROUTE 2: Enrolment through Mundus Urbano (www.mundus-urbano.eu) to study the two-year Mundus Urbano Master's Degree Programme of International Cooperation, which forms part of the of the Erasmus Mundus European cooperation programme.

Course reservation and enrolment

Reservation

- Candidates accepted into Master's or Postgraduate courses will be contacted by post.
- Your place in the programme can be effectively reserved by depositing the stipulated amount for the programme at any La Caixa savings bank office no later than five days after receipt of the letter informing you that you have been admitted to the programme. The amount deposited will be subtracted from the total amount due for the programme.
- Once the reservation fee has been paid, if the student does not meet the course prerequisites as determined by state legislature or autonomous regulations, does not hold the required degree or does not effectively register, the UIC will refund the reservation fee in full.
- If after paying the deposit the student should choose of his own volition not to pursue the course of studies, the Universitat Internacional de Catalunya shall become owner, with no obligation to refund, of the entire amount received as a deposit on the place as compensation for the damages caused.
- If the student does not pay the reservation fee within the time period indicated, it will be understood that he or she is no longer interested in accepting the place in the course, and the UIC will cancel his or her spot, rendering the corresponding application null and void.

Enrolment

The registration period will be communicated to the people admitted who have reserved their place once all the anticipated places in the programme have been assigned. After official registration, you will have 10 calendar days to make a single payment of the outstanding amount due.

05. UIC



Admission Process

If you are interesting in taking the UIC's Master's Degree programme of International Cooperation in sustainable Emergency Architecture, you can participate in the admissions process by following these steps:

1. Fill in the application form and pay. This document is available on the Master's Programme website.
 2. Submit the following documents to the Information and Admissions Service (see forms of access and contact data):
 - Students with an official Spanish university degree**
 - Original attested photocopy of your university degree or a document certifying that your degree has been recognized, or an original attested photocopy of the receipt for payment of the fee to have the degree issued.
 - Original attested photocopy of the academic transcript of your university studies.
 - Students with an official foreign university degree**
 - Original attested photocopy of your university degree.
 - Original attested photocopy of the academic transcript of your university studies.
 - Certificate issued by the university where you earned your undergraduate degree indicating that the degree authorizes you to take postgraduate courses in the country where the degree was issued.
- In all cases**
- Two ID-sized photos.
 - Photocopy of your Spanish identity card (DNI) or passport.
 - Updated curriculum vitae.
 - Attested photocopy of any other university degrees, including postgraduate degrees.
 - If the original language of the university degree and academic transcript is not Spanish, an original sworn Spanish translation should be submitted of these documents.
 - Certificate of English level (at least First Certificate or equivalent).
 - Two letters of recommendation.
 - A motivation letter.
3. Take the admission test and have a personal interview if necessary.

Grants and Financial Aid

Students can check all scholarships and financial aid available for the chosen programme by going here: www.uic.es/beques

Financing

The UIC has agreements with different financial institutions to help students finance their studies under highly advantageous conditions. A number of public and private organizations also offer scholarships and study grants. For more information about scholarships and grants, visit: www.uic.es/post-financing www.genoma-artstudio.com/uic

Discounts

Members of the UIC Alumni and Friends Association are entitled to a 10% discount.

The Universitat Internacional de Catalunya (UIC) is a private non-profit institution promoted by the Catalan Family Foundation.

The UIC has been serving society since 1997 by offering quality, comprehensive university training and promoting research based on the principles of Christian humanism.

The UIC proposes a teaching model based on academic excellence that is characterized by teaching small classes and offering practical, personalized instruction where the maximum emphasis is on promoting key skills. The teaching project has a strong international approach and is implemented in close collaboration with the professional world.

The university is equipped with the finest technical resources and a large professional team distributed on two campuses, one in Barcelona (with two 13,000 m² buildings in the upper part of the city) and the other in Sant Cugat (with more than 11,000 m² of space at the Hospital General de Catalunya), which means that students are the leading players in every day of university life. The UIC student body of 4,000 enjoys the following university services:

- Accommodation and scholarships
- Sports
- International relations
- Library
- Languages
- Information technology
- Academic and professional orientation
- Association of UIC Alumni and Friends
- University Dental Clinic
- Chaplaincy
- Solidarity

Campus Barcelona

The Campus Barcelona consists of two buildings occupying a total area of 13,000 m² which houses the faculties of Humanities, Communication Sciences, Political and Legal Sciences, Economic and Social Sciences, Education, the School of Architecture, the rector's offices and the university's central services.

Also located on the Campus Barcelona is the Institute for Advanced Family Studies, the institute for European studies, Institut d'Estudis Europeus Carlemany, and the Institute for Advanced Social Studies.

The Barcelona Campus boasts state-of-the-art facilities for teaching theoretical and practical classes. These include an Assembly Hall that holds over 400 people, a television studio with production control, editing and post-production rooms, a radio studio, a workshop for making models at the ESARQ School of Architecture, a self-learning facility for languages, three IT classrooms, four computer rooms, twelve work rooms and other workshop spaces.

06. Living in Barcelona

Barcelona is a wonderfully cosmopolitan Mediterranean city whose dynamic, enterprising character has secured it a position among the leading cultural cities in the world.

No other city has a Modernist architectural heritage like Barcelona: Gaudí's Sagrada Família, Pedrera and Casa Batlló, just to name a few. The Gothic quarter is one of Barcelona's most beautiful attractions, given that it has some of the best preserved medieval buildings in Europe.

Barcelona is the only major European city with four kilometres of beaches with the most modern facilities. The Port of Barcelona provides easy contact with the rest of the Mediterranean and the world, and is a major economic driver in the region.

The city offers a wide variety of cultural activities. All kinds of cultural events are organized in Barcelona, including a broad range of offerings held on an annual basis such as festivals, fairs, awards and conferences, not to mention the activities held to commemorate special celebrations. The city is also full of art and history museums, concert halls, theatres, cinemas and cultural centres that offer a full schedule of activities for a highly diverse audience.

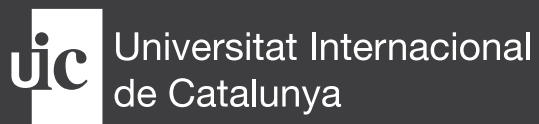
As a coastal city with a warm, sunny climate, it's easy to enjoy plenty of outdoor activities, such as sunbathing on the beach and swimming from spring until autumn.

Barcelona has an extensive public-transport network. Buses, the metro and trams will take you wherever you need to go. Taxis can be hailed anywhere, not just at taxi stands. Moreover, trains connect Barcelona with other cities in Catalonia, Spain and Europe. The Barcelona-Madrid high-speed train line is now open and the airport is constantly growing. Barcelona also has more than 150 km of bike paths.

The UIC has a housing service to help students find a place to stay in Barcelona by providing them with a list of apartments and rooms for rent, as well as information on university halls of residence.

www.uic.es
www.uic.es/uic2-0





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y Admisiones**

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