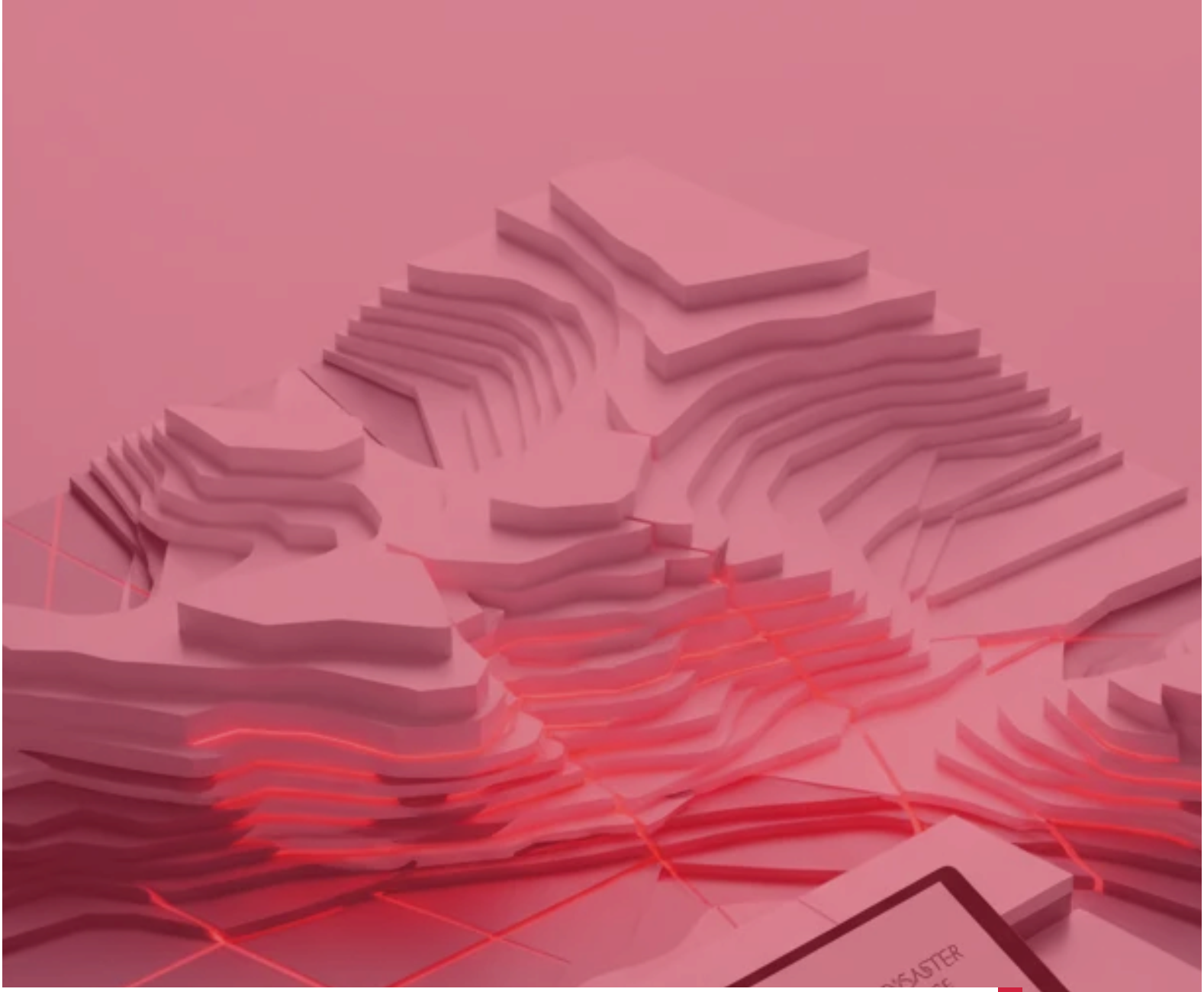


Máster online 100%

Master in Advanced Disaster Risk Management + 60 ECTS Credits

Structuralia

Máster online 100%

Master in Advanced Disaster Risk Management + 60 ECTS Credits

Modality
Online

Languages
Español

Duration
1500 hours (60 ECTS)

No Limit
AI Assistant

Does it include practices?
NO

Educational Institutions

Structuralia Engineering eLearning

UNIVERSIDAD NEBRIJA

Summary

The Master in Advanced Disaster Risk Management offers a specialization for technical professionals, environmental managers, consultants, researchers and public administration personnel who seek to master the complexity of current scenarios and legislative evolution. This program addresses advanced disaster risk management from a comprehensive perspective, considering the rapid evolution of legislation and regulations that impact both the private sector and public administrations. It provides the capabilities to analyze risk in its multiple dimensions, understanding the different perspectives of disaster and emergency, and the stressing factors that promote them. You will gain comprehensive knowledge of international institutional efforts to address climate change, and specialize in environmental and industrial risk management. You will learn to adapt projects to the most recent regulations, conducting diagnostics and technical evaluations with precision. Additionally, you will explore the management of biogeographic regions, integrating

biodiversity and the reintegration of nature into mitigation and adaptation strategies. This approach positions you to lead critical decision making in a constantly evolving environment.

Agenda

MODULE 1. DISASTER AND EMERGENCY

1. DIDACTIC UNIT 1. RISK ANALYSIS

1. Risk management
2. Types of risk according to their origin
3. Processes that generate risk
4. Risk analysis and evaluation with a comprehensive approach
5. Disaster risk and its effect on global poverty

2. DIDACTIC UNIT 2. DIFFERENT PERSPECTIVES OF DISASTER AND EMERGENCY

1. Study of earthquakes
2. The atmosphere and meteorological phenomena
3. Resilience in the framework of disaster risk management
4. Emergency response (I)
5. Emergency response (II)

3. DIDACTIC UNIT 3. RISKS AND STRESSING FACTORS THAT PROMOTE DISASTERS

1. Global warming and the ozone layer
2. Extreme natural phenomena and their increase globally
3. Emerging pollutants
4. Deforestation and loss of biodiversity
5. Fresh water and ocean acidification

4. DIDACTIC UNIT 4. INTERNATIONAL INSTITUTIONAL EFFORTS TO ADDRESS CLIMATE CHANGE

1. Climate emergency and associated risks
2. Introduction to climate change management tasks proposed by the IPCC
3. IPCC special reports
4. Sendai Framework for Disaster Risk Reduction 2015-2030
5. Country commitment

MODULE 2. BIOGEOGRAPHICAL REGIONS AND THEIR MANAGEMENT

1. DIDACTIC UNIT 1. BIOGEOGRAPHICAL REGIONS OF THE NORTHERN HEMISPHERE AND TROPICS

1. Basic notions of biogeography and the neotropical region
2. Palearctic biogeographic region
3. Nearctic biogeographic region
4. Afrotropical biogeographic region
5. Natural disasters in the biogeographic regions of the northern hemisphere and tropics

2. DIDACTIC UNIT 2. BIOGEOGRAPHICAL REGIONS OF THE SOUTHERN HEMISPHERE AND OCEANS

1. Australasian biogeographic region
2. Indo-Malay or Eastern biogeographical region
3. Antarctic biogeographic region
4. The oceans of the world
5. Natural disasters in the biogeographic regions of the Southern Hemisphere and the oceans

3. DIDACTIC UNIT 3. BIODIVERSITY, CLIMATE CHANGE AND REINTEGRATION OF NATURE

1. Ecological bases on biodiversity
2. Impact on biodiversity
3. The climate in crisis: scientific perspectives on climate change
4. Climate change and risk management from mitigation and adaptation
5. Climate and land use management from political mechanisms

4. DIDACTIC UNIT 4. ECOSYSTEM SERVICES AND CONSERVATION MECHANISMS

1. Ecosystem services
2. Ecosystem services evaluation mechanisms
3. Biodiversity conservation
4. Restoration of ecosystems and initiatives for the protection of ecosystem services
5. Risks and threats of climate change in protected natural spaces

MODULE 3. LAND PLANNING AND DISASTER RISK MANAGEMENT ASSOCIATED WITH EARLY WARNING IDENTIFICATION

MODULE 4. CARBON CYCLE AND NEUTRALITY

1. DIDACTIC UNIT 1. BASICS OF THE CARBON CYCLE AND KEY CONCEPTS

1. Introduction to the carbon cycle
2. Carbon cycle processes
3. Human impact on the carbon cycle
4. Sustainable management of the carbon cycle
5. Introduction to carbon and greenhouse gas neutrality

2. DIDACTIC UNIT 2. COMPREHENSIVE MANAGEMENT OF CARBON NEUTRALITY: FROM MEASUREMENT TO MITIGATION OF CLIMATE RISK

1. Measurement and evaluation of the carbon footprint
2. Emission reduction strategies
3. Carbon offsetting and neutralization
4. Integration of carbon management into business strategy
5. Carbon neutrality and its articulation with risk management

3. DIDACTIC UNIT 3. REGULATORY FRAMEWORK AND CARBON NEUTRALITY POLICIES

1. International agreements on climate change
2. Policies and regulations for carbon neutrality

3. Challenges and opportunities in policy implementation
4. Monitoring and evaluation of neutrality policies
5. Communication and public participation

4. DIDACTIC UNIT 4. INNOVATION AND TECHNOLOGIES FOR NEUTRALITY

1. Sustainable technologies and renewable energies
2. Sustainable mobility and energy efficiency
3. Agriculture and land use
4. Circular economy and waste reduction
5. Innovation and entrepreneurship in carbon neutrality

MODULE 5. GEOSPATIAL TECHNOLOGIES. DATA PROCESSING

MODULE 6. GEOPOLITICS AND ENVIRONMENTAL EDUCATION

MODULE 7. CITIES AND ENERGY. TRANSFORMATION OF SECTORS

MODULE 8. QUALITY, ENVIRONMENT AND SAFETY MANAGEMENT PROTOCOLS AND SYSTEMS

MODULE 9. CLIMATE CHANGES IN THE COMING DECADES

MODULE 10. TFM. MASTER IN ADVANCED DISASTER RISK MANAGEMENT

Qualification

University Degree in Master of Lifelong Training in Advanced Disaster Risk Management issued by the Antonio de Nebrija University with 60 ECTS University Credits. Teachings not leading to obtaining an official qualification

Objectives

- • You will apply advanced tools for comprehensive disaster management, using conceptual and operational frameworks. • You will analyze climate change and emergency, identifying its strategic and operational implications. • You will identify key strategies for biodiversity 2030 and the reintegration of nature in various regions. • You will master response mechanisms and instruments for risk management in complex emergency scenarios. • You will design resource mitigation and adaptation strategies against the impacts of climate change. • You will evaluate factors that promote disasters, developing predictive and preventive models. • You will integrate international institutional efforts on climate change in the formulation of policies and projects. • You will direct diagnostic and technical evaluation projects, applying current regulations in the field of environmental and industrial risks.

What does it prepare you for?

This program prepares you to lead the management of risks derived from environmental and industrial processes, providing you with a strategic vision and advanced tools. You will develop the ability to analyze risk from multiple perspectives, identifying the stressors that promote disasters and understanding international institutional efforts to address adaptation to climate change. You will adapt your projects to current regulations, effectively managing future diagnoses, evaluations and technical studies. The Master in Advanced Disaster Risk Management trains professionals in emergency planning and disaster mitigation to boost the resilience of ecosystems and communities. You will master the identification and management of biogeographic regions, integrating biodiversity and the reintegration of nature into your strategies. Thus, you will make informed decisions that promote the resilience of ecosystems and communities in the face of the climate emergency, transforming your way of directing and deciding in the sector.

Who is it addressed to?

Aimed at active professionals in the environmental and risk management sector who are seeking high-level specialization. If you work in conservation or restoration of ecosystems, biological and environmental research, or in fields such as environmental sciences, biology, biodiversity, ecology, geology, territorial studies, geophysics or marine and ocean sciences, this training is for you. It is designed for those who wish to update themselves in advanced disaster management, adapt to legislative and regulatory evolution, and acquire tools for project management, diagnostics and technical evaluations in environmental and industrial risk contexts, seeking a strategic vision to address current and future challenges and improve ecosystem resilience.

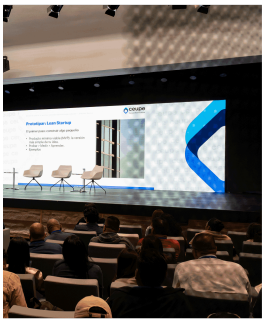
Official Character

This training is not included within the scope of official regulated training (Early Childhood Education, Primary Education, Secondary Education, Official Vocational Training FP, Baccalaureate, University Degree, Master University Officer and Doctorate). It is therefore a complementary and/or specialization training, aimed at the acquisition of certain competencies, skills or aptitudes of a professional nature, which can be assessed as merit in job boards and/or competitive examinations, always within the section of Complementary Training and/or Continuous Training. It is always essential to review the specific grading requirements of the specific public job boards to which we wish to apply.

Professional Outings

- Specialization in advanced disaster risk management consolidates your profile for senior management and consulting roles in the environmental and emergency sector. You will be able to assume the position of Director of Disaster Risk Management, leading teams and strategies for mitigation and adaptation to climate change in public and private entities. It also positions you as an Environmental Risk Project Manager, coordinating complex initiatives and ensuring the implementation of innovative sustainability solutions. In addition, it will allow you to act as a Disaster and Emergency Management Consultant, offering expert advice on impact assessment and design of contingency plans. Your experience will be essential for directing diagnostics and technical evaluations of environmental and industrial risks, contributing to the resilience of ecosystems and communities.







Live Madrid

Live the International Week

As an additional complement to your training, you can be part of the SIM: Week International in Madrid. A unique meeting that brings together students from all over the world. For seven days you can live an academic and cultural experience in the heart of Europe, culminating with the graduation ceremony in Madrid.

- Conferences and workshops with international experts
- Visits to companies and reference organizations
- Networking with students from different countries
- Cultural activities and discovery of Madrid
- graduation ceremony

Structural

Structuralia is a leading educational institution in postgraduate and highly specialized online training, focused on the fields of engineering, architecture, construction, energy, technology and digital transformation.

Founded in 2001 with a strong industrial DNA, the result of collaboration between large companies in the sector and the Universitat Politècnica de Catalunya (UPC), for more than 25 years we have accompanied technical professionals in their academic and professional development through practical, flexible training aligned with the reality of the labor market.

Our training proposal connects advanced technical knowledge, real employability and international projection, acting as key support in the professional evolution of those seeking to specialize, grow professionally and generate impact in their sector, with a firm commitment to the democratization of access to technical excellence.



+350.000

Students have gone through our virtual classrooms



+20 years

Experience in the training sector



5 stars

QS ranking in online education

EDUCA EDTECH
Group

Educa Edtech GROUP

When you enroll in a course or master's degree, you will get a free subscription to MyLXP while your training lasts. You will have access to more than 400 key courses (soft skills, languages, digital skills, etc.) and other surprises. Sign up and see how MyLXP improves your learning.

EDUCA LXP Methodology

The comprehensive tailored online education experience

EDUCA LXP is more than a methodology, it is a completely educational experience personalized thanks to all the possibilities offered by artificial intelligence. Now the content adapts to you, your needs and preferences, while offering you access to updated and practical content that really makes a difference in the labor market.

Flexibility

100% online learning adapted to your schedule: study from any device wherever, whenever and however you want.

Personalization

Contents and training itineraries adapted to your needs, thanks to AI.

Innovation

Constantly evolving technological developments driven by AI through the Learning Experience Platform.

Artificial intelligence

Discover PHIA, your learning assistant that will help you every step of the way.

Teaching support

Human empathy and academic guidance from a specialized teaching team.

Educational Experience

Didactic approach oriented to work by competencies, which favors practical and meaningful learning.

MY LXP

When you enroll in a course or master's degree, you will get a free subscription to MyLXP while your training lasts

You will have access to more than 400 key courses (soft skills, languages, competencies digital, etc.) and other surprises. Sign up and see how MyLXP improves your learning.

Meet PHIA, your personalized learning assistant

Use all the possibilities of artificial intelligence to get the most out of it match to your training

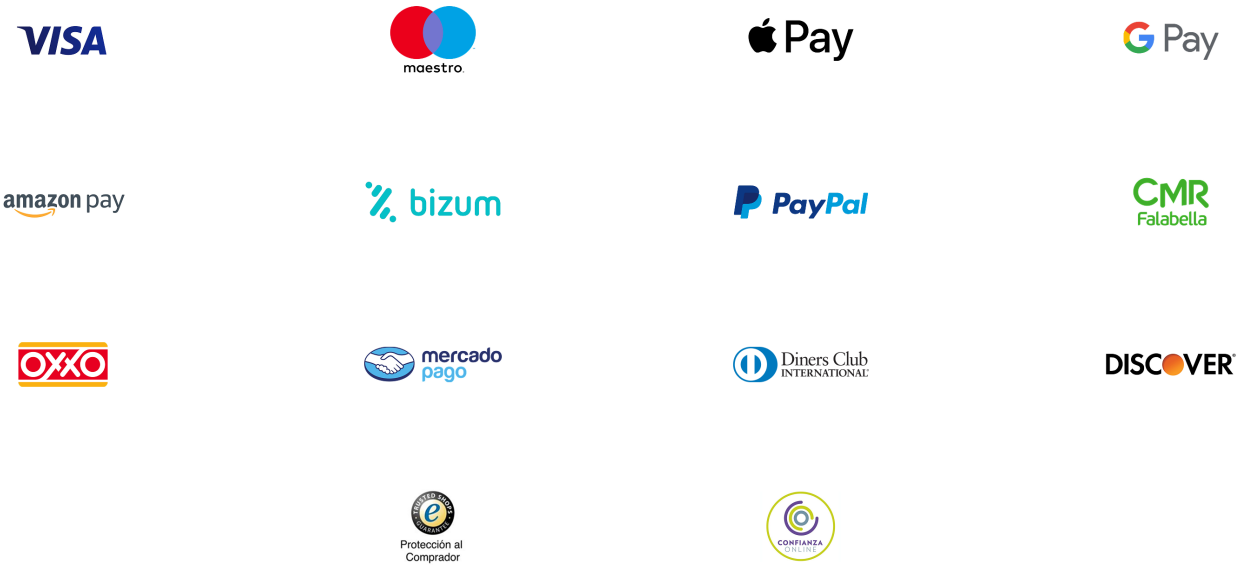
EDUCA EDTECH Group leads the digital revolution in education, promoting the continuous learning and technological transformation. The group is made up of recognized training institutions and its mission is to democratize access to education, promote the transfer of knowledge, technological development and research.

With the experience accumulated over more than 20 years, we have perfected our learning platform EDUCA LXP (Learning Experience Platform), the basis of our educational methodology, which provides students with online training practical and meaningful.



Discover all the payment facilities

We adapt to all international payment methods.



Funding and scholarships

Finance your course or master's degree and enjoy the available scholarships. Contact our expert team to know which one best suits your profile.

25%
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15%
Scholarship recommended

20%
Functional Diversity Scholarship

20%
Unemployment scholarship

15%
GROUP Scholarship

20%
Scholarship for Professionals, Healthcare, members

15%
Entrepreneurship Scholarship

20%
Large Family Scholarship