

Máster online 100%

Master in Contract Management and Large International Projects + 60 ECTS Credits

Structuralia

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Master in Contract Management and Large International Projects + 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 Contract Management and Large International Projects is an advanced specialization designed for professionals seeking to delve deeper into the complexity inherent in the execution of initiatives on a global scale. This program strategically integrates project management with international contract management, giving you a comprehensive perspective of the entire life cycle of any major initiative. You will cover everything from launch and detailed planning, to supply management and key aspects of turnkey projects (EPC), as detailed in Module 2. You will learn to accurately interpret the financial statements of projects, ensuring their economic viability and effectively communicating results to all stakeholders, from shareholders to the operations team. You will develop a critical ability to read and manage contracts, focusing on the most important and relevant clauses for their execution. In addition, you will analyze in depth the sustainability criteria in EPC projects and their practical application, guaranteeing that your initiatives are not only profitable, but also responsible with the environment and society. This comprehensive approach prepares you to lead with solvency and strategic vision in the complex environment of large international projects,

effectively managing the triple constraint of scope, cost and deadline, and strengthening your ability to make strategic decisions.

Agenda

MODULE 1. PROJECT MANAGEMENT AND CONTROL

1. DIDACTIC UNIT 1. PROJECT LAUNCH AND MANAGEMENT PLAN

1. Session 1. Project Launch
2. Session 2. Project Management Plan I. Life cycle of a project
3. Session 3. Project Management Plan II. Project management plan
4. Session 4. Project Management Plan III. Organization chart
5. Session 5. Lessons Learned

2. DIDACTIC UNIT 2. COMMUNICATIONS AND DOCUMENTATION MANAGEMENT

1. Session 1. Communications Management I. Aspects of communication from a general point of view
2. Session 2. Communications Management II. Global communications management process
3. Session 3. Communications Management III. Specific communications management plan
4. Session 4. Documentation Management and Control I. Specific documentation management plan
5. Session 5. Documentation Management and Control II. Documentation management tools

3. DIDACTIC UNIT 3. SUPPLY MANAGEMENT

1. Session 1. Supply Management
2. Session 2. Purchasing and Subcontract Management
3. Session 3. Activation Management
4. Session 4. Inspection Management
5. Session 5. Logistics Management

4. DIDACTIC UNIT 4. HR, QUALITY, HEALTH, SAFETY AND ENVIRONMENT MANAGEMENT

1. Session 1. HR Management I. Specific plan for human modules
2. Session 2. HR Management II. Work team management
3. Session 3. Quality Management
4. Session 4. Health, Safety and Environment (HSE) Management I. Definition
5. Session 5. Health, Safety and Environment Management (HSE) II. Regulations

MODULE 2. TURNKEY PROJECTS (EPC)

1. DIDACTIC UNIT 1. PROJECT BASICS

1. What is a project
2. Project types
3. EPC Projects (Engineering, Procurement, Construction)
4. EPC projects in complex sectors
5. Project life cycle

2. DIDACTIC UNIT 2. AGENTS OF A TURNKEY PROJECT (EPC) (I)

1. Project management
2. Main agents in a turnkey project
3. Organization of a project
4. The project management team. the project manager (I)
5. The project management team. the project manager (II)

3. DIDACTIC UNIT 3. AGENTS OF A TURNKEY PROJECT (EPC) (II)

1. The project management team. project operations manager, project manager and area manager
2. The project management team. project engineers, material manager and interface manager
3. The project management team. engineering manager and project assistants
4. Conclusions and practical example of an organization chart
5. Business management

4. DIDACTIC UNIT 4. AGENTS OF A TURNKEY PROJECT (EPC) (III)

1. Contract manager, administration manager and project control manager
2. risk manager
3. Procurement management
4. Quality control, quality assurance management and HSE
5. construction management

MODULE 3. ADVANCED PROJECT MANAGEMENT

1. DIDACTIC UNIT 1. SCOPE MANAGEMENT AND CONTRACTUAL MANAGEMENT

1. Session 1. Scope Management I
2. Session 2. Scope Management II
3. Session 3. Scope Management III
4. Session 4. Contract management I
5. Session 5. Contract management II

2. DIDACTIC UNIT 2. NEGOTIATION AND COST CONTROL

1. Session 1. Negotiation I
2. Session 2. Negotiation 2
3. Session 3. Negotiation 3
4. Session 4. Cost control

3. DIDACTIC UNIT 3. COST ESTIMATION AND PLANNING

1. Session 1. Cost estimation 1
2. Session 2. Cost estimation 2
3. Session 3. Cost estimation 3
4. Session 4. Planning 1
5. Session 5. Planning 2
6. Session 6. Planning 3

4. DIDACTIC UNIT 4. RISK MANAGEMENT

1. Session 1. Global environment
2. Session 2. Risk management 1
3. Session 3. Risk management 2
4. Session 4. Risk management 3

5. Session 5. Earned Value Method

MODULE 4. LAUNCH AND GLOBAL PLANNING OF AGILE PROJECTS

1. DIDACTIC UNIT 1. STRATEGIC APPROACH TO INITIATE AGILE PROJECTS

1. Contextualization in modern organizational environments
2. Identification of innovation opportunities through agility
3. Key elements in the activation of agile projects at the organizational level
4. Alignment between purpose, strategy and vision of the project
5. Activation of teams and drivers of change

2. DIDACTIC UNIT 2. INITIAL CONFIGURATION OF AN AGILE PROJECT

1. Design of the collaboration environment
2. Establishment of initial operating agreements (Working Agreements)
3. Scaling model selection if applicable (SAFe, LeSS, Nexus)
4. Identification and management of interested parties from the beginning
5. Preparation for launch: enabling factors

3. DIDACTIC UNIT 3. DESIGN OF GLOBAL PLANNING IN AGILE ENVIRONMENTS

1. Structuring the strategic backlog
2. Definition of key results and evolutionary deliverables
3. Time horizon in multilevel agile planning
4. Connection between organizational strategy and iterative execution
5. Preparing for planning across multiple teams

4. DIDACTIC UNIT 4. LAUNCH OF HIGH IMPACT AGILE INITIATIVES

1. Design and facilitation of collaborative kick-off events (Project Kick-Off)
2. Techniques for synchronization between multiple devices
3. Visual tools for planning mapping
4. Establishment of collaboration agreements and value flow
5. Indicators and agreements for continuous review of progress

5. DIDACTIC UNIT 5. ADAPTATION, SCALING AND SUSTAINABILITY

1. Mechanisms to adapt planning in dynamic environments
2. Agile coordination at a global level: time zones, cultures and processes
3. Strategic review and realignment cycles
4. Sustainability of agile change in traditional structures
5. Consolidation of organizational learning

6. DIDACTIC UNIT 6. CONTEXT AND MATURITY MANAGEMENT FOR AGILE PLANNING

1. Assessment of organizational agile maturity: reference frameworks and initial diagnosis
2. Organizational factors that influence global planning (culture, structure, leadership)
3. Political dynamics, resistance and alignment of interests
4. Selection of adaptive approaches according to maturity level and sectoral context
5. Integrating continuous learning into global planning cycles

MODULE 5. STANDARDIZED INTERNATIONAL CONTRACTS FOR CONSTRUCTION AND INFRASTRUCTURE PROJECTS. FIDIC MODELS

1. DIDACTIC UNIT 1. INTRODUCTION AND MAIN STANDARDIZATIONS

1. Standardization
2. FIDIC
3. FIDIC Contracts
4. New Engineering Contract (NEC)
5. Other standardizers

2. DIDACTIC UNIT 2. STRUCTURE AND CONTENTS, GENERAL PROVISIONS AND ACTORS

1. Structure and content
2. General provisions
3. Employer and engineer
4. The contractor (I)
5. The contractor (II)

3. DIDACTIC UNIT 3. EXECUTION, SCOPE, VALUATION AND PRICE

1. Subcontracting, designs and media
2. Deadlines, tests and reception
3. Defects and testing after completion
4. Measurement, Valuation and variations
5. Contract price and payment (I)

4. DIDACTIC UNIT 4. PRICE, COMPLETION, TERMINATION AND CLAIMS

1. Contract price and payment (II)
2. Termination, suspension and care
3. Exceptional and safe events
4. Claims management
5. Dispute management

MODULE 6. CONTRACT ADMINISTRATION AND MANAGEMENT (EPC)

1. DIDACTIC UNIT 1. CONTRACTUAL BASIS

1. What is a contract?
2. Terminology in contracts
3. Contract management concept
4. International arbitration
5. International standard construction contracts

2. DIDACTIC UNIT 2. THE LAW AND ITS INTERPRETATION

1. What is the law?
2. The tests
3. Causes of invalidity of a contract
4. Termination of a contract in English law
5. Professional responsibility

3. DIDACTIC UNIT 3. CONSTRUCTION LAW SOCIETY (I)

1. Construction Law Society
2. Guide part A. concepts of delay, disruption and acceleration
3. Guide part B. guide to key principles (I)
4. Guide part B. guide to key principles (II)
5. Guide part B. guide to key principles (III)
6. Guide part B. guide to key principles (IV)

4. DIDACTIC UNIT 4. CONSTRUCTION LAW SOCIETY (II)

1. Instruction to Smart Contracts
2. Most common uses of Smart Contracts (I)
3. Most common uses of Smart Contracts (II)
4. The great paradox of Smart Contracts

MODULE 7. FINANCIAL AND LEGAL RISK MANAGEMENT IN INTERNATIONAL PROJECTS

1. DIDACTIC UNIT 1. THE INTERNATIONAL ECONOMY IN THE 21ST CENTURY

1. Globalization and international trade
2. The export activity
3. Imports
4. fair trade
5. Relevant statistical sources and international organizations supporting international trade

2. DIDACTIC UNIT 2. THE MEANS OF PAYMENT

1. Introduction and classification of payment methods
2. Conventional and modern payment methods
3. Documentary means of payment (I)
4. Documentary means of payment (II). The documentary credit
5. Syndicated loans

3. DIDACTIC UNIT 3. RISKS IN INTERNATIONAL OPERATIONS AND THEIR MANAGEMENT

1. The basic risks
2. Other risks in international trade
3. Coverage of risks in international trade (I)
4. Hedging risks in international trade (II)
5. Main regulations applicable to international trade and resolution of international conflicts

4. DIDACTIC UNIT 4. FINANCING OF THE COMPANY IN INTERNATIONAL OPERATIONS AND FOREIGN INVESTMENT

1. International financial markets
2. Foreign investment
3. Financing international investments
4. The risks associated with foreign investment
5. New forms of financing based on Blockchain technology

MODULE 8. FINANCIAL PROJECT MANAGEMENT

1. DIDACTIC UNIT 1. FINANCIAL PROJECTIONS AND PROJECT FINANCING

1. time value of money
2. Investment evaluation methods
3. Preparation of financial projections.
4. Quality of financial projections and residual value.
5. Project financing sources.
6. Cost of capital and debt level of the project. Evaluation of projects with uncertain results.

2. DIDACTIC UNIT 2. PROJECT FINANCE

1. Introduction to the financing model
2. Project Finance.
3. Project risk analysis.
4. Project financing.
5. Entities involved in the financing of the project.
6. Ratios and management of project financing.

3. DIDACTIC UNIT 3. INTERNATIONAL PROJECTS

1. Development of financing in international projects.
2. Country Risk Management.
3. Sources of financing in international projects.

4. DIDACTIC UNIT 4. SERVICE PROJECTS

1. Financial management of service projects.
2. Identification of costs in service projects.
3. Allocation of costs to services.
4. Establishment of the service budget.
5. Economic monitoring and closure of the service.

MODULE 9. CORPORATE SOCIAL RESPONSIBILITY AND THE RESPONSIBLE MANAGEMENT OF EMPLOYED PEOPLE

1. DIDACTIC UNIT 1. RESPONSIBLE HR MANAGEMENT

1. Introduction
2. Internal policies and systematization
3. Reference initiatives
4. Information and negotiation
5. Risk assessment

2. DIDACTIC UNIT 2. DIVERSITY AND EQUALITY

1. Diversity and equality
2. Harassment
3. Vulnerable groups and social exclusion
4. Disability
5. Communication and language

3. DIDACTIC UNIT 3. EMPLOYER BRANDING & TALENT

1. Selection and hiring
2. Conciliation
3. Skill development
4. Performance evaluation
5. Occupational health and safety

4. DIDACTIC UNIT 4. CSR. INITIATIVES WITH EMPLOYEES

1. Social benefits
2. Healthy company
3. Volunteering
4. Family business
5. Awareness

MODULE 10. TFM. MASTER IN LARGE INTERNATIONAL TURNKEY PROJECTS (EPC), CONTRACT MANAGEMENT AND PROJECT MANAGEMENT

Qualification

University Degree in Master of Lifelong Training in Contract Management and Large International Projects issued by the Antonio de Nebrija University with 60 ECTS University Credits. Teachings not leading to obtaining an official qualification

Objectives

- • Master the adaptation of project management methodologies, from classic to agile approaches, for global contexts. • Analyze financial statements of complex projects, communicating their economic impact to all levels of the organization. • Develop contractual administration strategies that allow identifying and prioritizing critical clauses for the execution and success of large-scale initiatives. • Apply advanced tools for integrated scope, cost and deadline management in highly complex environments. • Integrate sustainability criteria in the planning and execution of projects, ensuring their social and environmental responsibility. • Optimize communications and documentation management in international projects, guaranteeing information flow and traceability. • Make strategic decisions in the management of supplies and resources, optimizing the supply chain in large-scale projects. • Understand the life cycle and the role of agents in turnkey projects (EPC) for a global vision.

What does it prepare you for?

This program prepares you to lead and manage large-scale projects in an international environment, transforming your leadership and strategic decision-making capacity. The Master in Contract Management trains professionals in the management of complex projects to ensure the financial viability and sustainability of global initiatives. You will develop a global vision of the life cycle of initiatives, from their launch and planning to the management of supplies and resources. You will acquire advanced skills in the administration of contracts, including their interpretation, negotiation and compliance with their key clauses. You will master the tools to effectively combine scope, cost and deadline, ensuring the financial viability and sustainability of each project. You will evaluate the impact of sustainability criteria and their application, integrating them into turnkey project management (EPC). You will make informed decisions about risk management and dispute resolution, strengthening your profile as an expert in managing international operations.

Who is it addressed to?

This master's degree is aimed at professionals in the engineering, architecture and construction sector who already work in project management or technical areas and are looking for a high-level specialization. If you work in project management roles, such as a project director or contract manager, and feel the need to gain a comprehensive perspective of the life cycle of an international project, this program is for you. It is also designed for those who, from technical areas, wish to enhance their career towards the strategic direction of large international projects. You seek to master contractual management, ensure financial viability and sustainability, and lead large-scale initiatives in a global environment, facing the complexity inherent in these challenges.

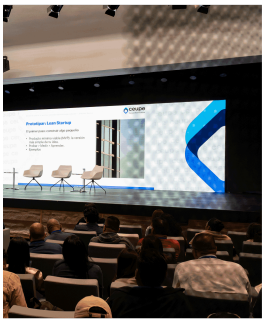
Official Character

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 global contract and project management will strategically position you to assume highly responsible roles in the engineering, architecture and construction sector. You can aspire to be an International Project Director, leading complex initiatives from conception to delivery, ensuring their economic soundness and environmental and social impact. Your profile will be strengthened to act as Contractual Management Manager, managing agreements, negotiations and mitigating risks on a global scale. You will also be able to develop as a Senior Consultant in EPC Projects, providing your expert vision in turnkey projects and their life cycle. Other roles include Global Contracts and Procurement Manager, optimizing supply chain and supplier relationships in multinational environments, or Contractual Claims Specialist, resolving disputes and ensuring regulatory compliance. This training prepares you to directly influence the success of large-scale operations, managing the complexity inherent in international initiatives.







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

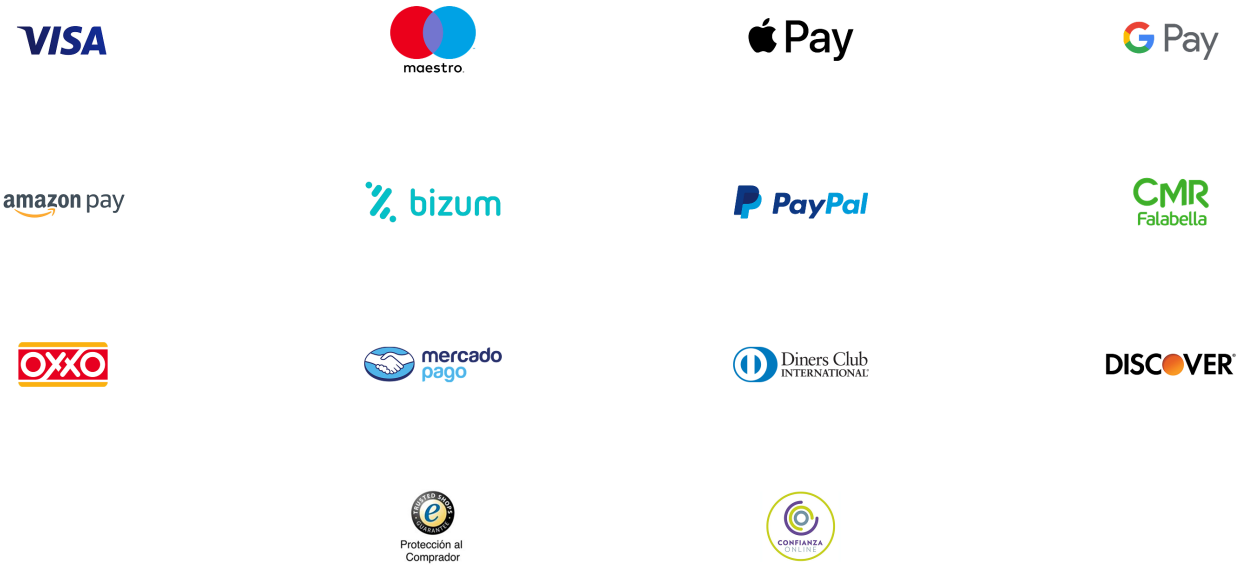
EDUCA EDTECH Group leads the digital revolution in education, promoting the continuous learning and technological transformation. The group is made up of recognized training institutions and its mission is to democratize access to education, promote the transfer of knowledge, technological development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

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