Port Management and Operations: Efficiency and Excellence

23 – 27 November 2026
Barcelona (Spain)



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Why This Course

In today's global trade environment, ports are far more than points of entry and exit. They are strategic hubs that connect maritime transport, inland logistics, supply chains, and national economic activity. Managing a port effectively requires strong understanding of operations, infrastructure, safety, sustainability, financial performance, and the technologies shaping the future of the maritime sector.

This comprehensive 1-week course provides an in-depth exploration of port management and operations. Participants will gain practical knowledge and skills essential for efficient port administration, logistics coordination, and strategic planning. The course covers key aspects of port operations, including cargo handling, safety protocols, environmental management, and technological advancements in the maritime industry.

What You'll Learn and Practice

By joining this program, you will:

- Understand the complexities of port management and operational structures.
- Develop strategies for improving port efficiency and productivity.
- Learn best practices in port safety, security, and environmental management.
- Gain insights into port logistics, supply chain integration, and intermodal transportation.
- Explore technological innovations and their impact on port operations.
- Analyze port economic models and financial management techniques.

The Program Flow

Day 1: Introduction to Port Management

- Overview of port types and functions.
- Port governance and organizational structures.
- Regulatory frameworks and compliance.
- Stakeholder management in port operations.



Day 2: Port Operations and Logistics

- Cargo handling systems and equipment.
- Terminal operations and management.
- Port logistics and supply chain integration.
- Intermodal transportation and hinterland connections.

Day 3: Port Safety, Security, and Environmental Management

- Port safety protocols and risk management.
- Maritime security measures and ISPS code.
- Environmental regulations and sustainability practices.
- Waste management and pollution control in ports.

Day 4: Port Planning and Development

- Strategic port planning and expansion.
- Infrastructure development and maintenance.
- Port digitalization and smart technologies.
- Future trends in port automation.

Day 5: Port Economics and Performance Management

- Port pricing strategies and financial management.
- Performance indicators and benchmarking.
- Port competitiveness and marketing.
- Economic impact assessment of ports.

Individual Impact

- Strengthen your understanding of port operations, governance, and strategic management.
- Enhance your ability to improve efficiency across cargo handling, logistics, and terminal activities.
- Build stronger skills in safety, environmental management, and regulatory compliance.
- Gain practical insight into the financial and technological factors influencing modern port performance.

Work Impact

- Improve operational efficiency and coordination across port functions.
- Strengthen safety, security, and environmental performance in port operations.
- Support better logistics integration and stakeholder collaboration.
- Enhance the organization’s ability to plan for growth, digital transformation, and long-term competitiveness.



Training Methodology

This program integrates maritime operational knowledge, strategic planning, and practical application to ensure real-world relevance and professional impact. Learning methods include:

- Real-world case studies on port operations, logistics, and performance improvement.
- Practical exercises in planning, coordination, and operational analysis.
- Interactive workshops on safety, environmental management, and digital transformation.
- Group discussions on governance, infrastructure development, and competitiveness.
- Frameworks and tools for applying effective port management practices in professional settings.

Beyond the Course

Upon completion, participants will be better equipped to manage port operations with greater confidence, operational awareness, and strategic perspective. They will return ready to:

- Improve port efficiency through stronger operational and management practices.
- Support safer and more sustainable port environments.
- Contribute to better planning, logistics integration, and financial performance.
- Help shape more resilient, competitive, and future-ready port operations.

