

## SHIPPING AND PORT MANAGEMENT

### Advanced Training Program

#### Coordination

IEMAC- Institute of Macaronesia-Association  
Portugal and Cape Verde

#### Partners

My Navix OU, Finland  
SAMK- Satakunta University of Applied Sciences, Finland  
SeaFocus International, Finland

#### Introduction

Without thorough understanding of the shipping and port management, it is impossible for countries to pursue their maritime economic potential, develop, and enforce regulations. Many do not realize how much the value of the maritime domain can affect development. New technology will cause changes, but the maritime sector will remain crucial for global trade. Ports are economic drivers of the world economy and ships are the principal mode of delivery. As countries develop and their economies grow, reliance on ships and ports also grows.

The Maritime field is extremely broad and brings about relationships of people with varying levels of experience from the many different aspects of shipping. Emerging and established economies require solid knowledge on how to operate a port successfully and manage the ships that deliver to the ports. Advanced studies on shipping and port management will help to capitalize on these opportunities and equip professionals in the field with modern shipping knowledge and port management expertise that is crucial for the industry.

This program is suitable for maritime related professionals and regularly attracts ship officers and shore-based management staff. It equips trainees with necessary field exposure and makes them aware of complex administration and structural reforms, as well as of rules and regulations that are important in the functioning of port and shipping business. It also highlights the necessary precautions and precision of the maritime professions. Emphasis will be placed on the interconnectivity between land and sea.

#### Objectives

- Develop professionals equipped with the skills, knowledge and expertise required for a successful career in the demanding and highly competitive world of Shipping.
- Allow students to have an in-depth understanding of the different approaches and frameworks of shipping and port management within the context of International shipping and port management, while examining how state and non-state stakeholders interact in the maritime domain.
- Examine cutting edge approaches to policy, governance and law, and consider how they translate into practice.
- Provide specialist study on maritime economics, shipping, logistics and ports and terminals management.

## Prerequisites

There are no prerequisites for this Course. However, to fully benefit from the training, it is recommended that the participants are either new entrants to the shipping industry or professional staff in shipping companies, ship brokers, port agencies, insurance inspectors, banks and, etc. Similar service organizations can also gain a valuable understanding of their customers' roles and responsibilities. The comprehensive documentation that accompanies the course has been designed as a useful guide for future reference.

## Course topics

### 1. Introduction to Shipping

Lecturer: Esko Mustamaki (MSc), Naval Architect, former Executive Director of Helsinki Shipyard (Finland)

- Ship management practices
- Organization of a shipping company
- Roles of Commercial, Technical & Crewing departments
- In house vs outsourcing of Ship Management functions
- Ship Registries, National vs Open Registries
- Ship classification societies

### 2. International Maritime Organizations

Lecturer: Markku Mylly, Master Mariner, former Executive Director of EMSA (Finland)

- History of IMO, Membership in IMO,
- Legal instruments – SOLAS, COLREG, PSC
- Governing bodies in IMO,
- Technical Committee, Marine Safety Committee
- Standards and Recommendations for safety Investigation in Marine casualty
- Port State Control

### 3. Maritime Domain Awareness

Lecturer: Mario Simões Marques (PhD), Rear-Admiral, former Superintendent of the Naval Academy (Portugal)

- Intelligence Tools, Strategies and Measures of Effectiveness (MOEs)
- Positioning, Navigation Timing (PNT)
- Cyber and Hybrid Threats to Maritime Communication
- Search and Rescue (SAR).

### 4. Port Management & Terminal Operations

Lecturer: Franklim Spencer, Naval Engineer, former CEO of ENAPOR-Port Administration (Cape Verde)

- Port Structure and Management
- Managing Port Operations
- Terminal operations
- Intermodal connections
- Cargo handling equipment
- Factors affecting Terminal Productivity
- Factors affecting the future ports & terminals

## 5. Ship Agency Management

Lecturer: Heikki Koivisto, Master Mariner, Project Manager and Senior Lecturer, SAMK (Finland)

- General Principles of the Law of Agency
- Types of Agents in Maritime Business and the Roles performed by them
- Duties and Rights of Principals
- Duties and Rights of Agent
- Agents Authority and breach of Warranty of Authority

## 6. Role of Shipping

Lecturer: Markku Mylly, Master Mariner, former Executive Director of EMSA (Finland)

- Major trade lanes, features & patterns of trade
- Commodities traded – major origins and destinations
- Seasons and Effects of Weather on shipping
- Types of ships used for various cargoes & ship design
- Major Maritime Nations
- International Shipping organizations – Basic Shipping Terminology

### Suggested course calendar:

Module 1: December 14-15 14:30-17:00 (CV time)

Module 2: December 21-22, 14:30-17:00

Module 3: December 28-29, 14:30-17:00

Module 4: January 4-5, 14:30-17:00

Module 5: January 11-12, 14:30-17:00

Module 6: January 18-19, 14:30-17:00

### Class size:

Minimum 10 students, maximum 15

### Tuition:

700 euros