



**CURRICULUM FOR
SHORT (CERTIFICATE) COURSE ON
PORT SAFETY AND SECURITY MANAGEMENT**

(As recommended by Academic Council)

INSTITUTE OF BAY OF BENGAL AND BANGLADESH STUDIES

**BANGABANDHU SHEIKH MUJIBUR RAHMAN MARITIME UNIVERSITY
BANGLADESH**

Objective:

The course focuses on understanding the background and regulatory issues of port safety and security and practical application of the safety and security measures for ports and port facilities.

This course aims to provide knowledge, proficiency and understanding to those who may be managing/conducting/involved with the port and port facility like safety and security and operational matters.

Those who successfully complete this course should be able to identify, deter, or mitigate port safety and security threats through proper planning, preparation, and coordination with various entities.

Course Plan:

Duration of the Course: The duration of the course will be 4 days.

Nature of the Course: The course will be professional in nature and classes will be conducted from 09 am to 4 pm.

Total Class Hours: 30 hours

Admission Eligibility Criteria: Graduate in any discipline.

Number of Seats: 40 per session

Medium of Instructions: Medium of instructions will be English.

Grading Policy:

Numerical scores	Grading
80-100	Excellent
70-79	Very Good
60-69	Good
50-59	Satisfactory
40-49	Attended

Module 1: Introduction

- Course overview
- ISPS Code
- Historical perspective
- Competences to be achieved
- Present security threats and patterns
- Safety training

Speaker: Kazi Ali Imam, Professor, Port & Shipping Management, BSMMU.

Module 2: Security responsibilities

- Contracting Governments
- Recognized Security Organizations
- The Company
- Ship's personnel
- The port facility
- Ship Security officer
- Company Security Officer
- Port Facility Security Officer
- Shipboard Personnel with designated security duties
- Port Facility Personnel with designated security duties

Speaker: Capt. Atiqur Rahman Chowdhury, MarEngr. (MCA, UK), Engr. Instructor & Business Development Officer, Bangladesh Marine Academy, Chattogram.

Module 3: Port Facility Security Assessment and On-scene Inspections

- Risk assessment methodology
- Assessment tools
- On-scene security inspection
- Security assessment documentation
- Security equipment and systems
- Operational limitations of security equipment and systems
- Testing, calibration and maintenance of Security equipment and system

Speaker: Cdr Ehsan Mohiuddin, Associate Professor, Port & Shipping Management, BSMRMU.

Module 4: Port Facility Security Plan

- Purpose of the Port Facility Security Plan
- Contents of the Port Facility Security Plan
- Confidentiality issues
- Development of the Port Facility Security Plan
- Approval of the Port Facility Security Plan
- Implementation of the Port Facility Security Plan
- Maintenance and modification of the Port Facility Security Plan

Speaker: Cdre M Mamunur Rashid, (TAS), BCGMS, afwc, psc, BN, Dean, Faculty of Maritime Governance & Policy, BSMRMU.

Module 5: Threat identification

- Recognition, on a non-discriminatory basis, persons posing potential security risk
- Recognition and detection of weapons, dangerous substances and devices
- Implementing and co-ordinating searches
- Methods of physical searches and non-intrusive inspections
- Technique used to circumvent security measures including those used by pirates

- Crowd management and control technique

Speaker: Capt. Md. Arif Mahmud, Assistant Professor, Maritime Science, BSMRMU

Module 6: Pot Facility Security Actions

- Actions required by different security levels
- Maintaining security of the ship/port interface
- Usage of the Declaration of Security
- Implementation of security procedures

Speaker: Cdre Wahid Hasan Kutubuddin, (N), NDC, AFWC, PSC, BN (Retd)

Director, IBBBS, BSMRMU

Module 7: Emergency Preparedness, Drills, and Exercises

- Contingency planning
- Security drills and exercises
- Assessment of security drills and exercises

Speaker: Cdre M Mamunur Rashid, (TAS), BCGMS, afwc, psc, BN, Dean, Faculty of Maritime Governance & Policy, BSMRMU.

Module 8: Security Administration

- Documentation and records
- Reporting security incidents
- Monitoring and control
- Security inspections, audits and verification
- Reporting nonconformities
- Security training requirements

Speaker: Capt. Zillur Rahman Bhuiyan, Managing Director, Marinecare Consultants Bangladesh Ltd.

Module 9: Port Services and Facilities

- Services and facilities for ships
- Services and facilities for cargoes
- Services and facilities for transferring cargo between the port storage facilities to the hinterland
- Administrative facilities

Speaker: Ahamedul Karim Chowdhury, Terminal Manager, Pangaon Inland Container Terminal, Chittagong Port Authority

Module 10: Operational activities of the port and safety aspects

- Ship Operation, ship collision, ship grounding, ship sinking, damage to floating and fixed objects by ships, damage to berths and port equipment by ships, pollution by ships.
- Berth and Yard Operation
- Cargo handling on ship and on quay, transport to/from storage, storage at shed & open space, transferring cargo between the port storage facilities to the road/rail/IWT.
- Personal injury/loss of life, confined space entry & use of PPE
- Handling of Dangerous Goods
- Safety of oil tanker, LNG and LPG ships

Speaker: Capt. Md. Arif Mahmud, Assistant Professor, Maritime Science, BSMRMU

Module 11: Safety Management System and Safety risk management implementation

- Management commitment
- Responsibility
- Hazard identification and control
- Incident/accident reporting, investigation and analysis
- Training
- Reviewing and evaluating
- Define the scope
- Hazard identification
- Assess risks
- Mitigation measures
- Maintain hazard register and regular review

Speaker: Capt. Zillur Rahman Bhuiyan, Managing Director, Marinecare Consultants Bangladesh Ltd.

Module 12: Emergency Preparedness and response and Continuous improvement through safety promotion

- Business continuity planning
- Emergency planning
- Emergency response
- Training and education
- Safety communication

Speaker: Capt. Md. Kalam Hossain Chowdhury, Nautical Instructor and Chief Education Officer, Bangladesh Marine Academy, Sylhet

Module 13: Evaluation/ Assessment

Conductor: Course Director, Short Certificate Course