SCOPE:

The aim of this course is to provide for an extensive theoretical and practical basis allowing present and future masters, deck officers and other personnel responsible for cargo and ballast handling on board all ships to cope with the increasingly stringent anti-pollution rules and regulations. Among others, this course is based on the guidelines of IMO Model Courses 1.11 and 1.12.

OBJECTIVE:

After successful completion of the course the trainees should be able:

- To appreciate the concern about pollution of the marine environment, understand the impact of pollution, describe how ships contribute to this form of pollution and explain the international rules aimed at preventing such pollution.
- To explain in detail the principles involved in the prevention of marine pollution through specific construction and equipment requirements, and to comply effectively with the relevant operational requirements.
- Correctly identify the categories of noxious substances offered for shipment.
- Take proper account of the potential impact of the marine environment of pollution by noxious substances.
- Ensure that correct use is made of the equipment with which ships are required to be provided.
- Effectively protect the marine environment against pollution by noxious liquid substances carried in bulk on ship on which they serve.

COURSE CONTENT:

Introduction

- Different aspects of marine pollution: fate and impact
- Overview of the different rules and regulations and related documentation
- Particularities of the international aspect of shipping

Annex 1

- Prevention of pollution by oil

Annex 2

- Control of Pollution by Noxious Liquid
Annex 3

- Prevention of Pollution by Harmful Substances in packaged form
- IMDG Code

Annex 4

- Prevention of pollution by sewage from ships

Annex 5

- Prevention of pollution by garbage from ships

Annex 6

- Prevention of air pollution from ships

A number of practical educational excursion/case studies (3x ½ day) will be provided. Exact subject and number of excursions/case studies will be function of availability of ships and accessibility of port facilities.

Following topics will be dealt with if time allows. In order of priority:
- Ballast water management and control of invasive species
- Anti-fouling present and future techniques

**DURATION:**

5 Days

**COURSE DATES:**

On request

**PRICE:**

On request

**MAXIMUM NUMBER OF PARTICIPANTS:**

8

**CONTACT:**

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