

# LIQUID CARGO AND BALLAST OPERATIONS ON OIL TANKERS (LICOS)



## TARGET GROUP

This training course primary is intended for Masters, Chief Officers and mates who are engaged in oil tanker operations.



## OBJECTIVES OF THE COURSE

A trainee successfully completing this course will be able to:

- Plan and perform loading and discharging of liquid cargo;
- Provide evidence of knowledge of the impact of cargo and cargo handling upon the seaworthiness and stability of a ship;
- Provide evidence of knowledge of the various commodities and how liquid cargo should be taken care of in port and during the voyage;
- Perform required stability, trim and stress control;
- Provide evidence of knowledge of cargo handling equipment;
- Provide evidence of knowledge of principles and procedures for safe handling of ballast and bunkers on all types of ships;
- Provide evidence of knowledge of safe handling, stowage and securing of dangerous, hazardous and harmful cargoes;
- Provide evidence of general knowledge of tankers and tanker operation.



## COURSE CONTENTS

This training course covers the following topics:

- Cargo planning, safe loading and unloading cargoes;
- Prevention of sea pollution;
- Maintaining of the ship stability and seaworthiness;
- Study of the ship design and systems;
- Control of pump and piping systems;
- Operation of ballast and cargo handling system;
- Maintaining of the ship stability and seaworthiness;
- Characteristics of transferred media;
- Tanker design and equipment;
- Ship operations;
- Emergency procedures.

## INCOME REQUIREMENTS:



To be assigned on course, participant should present:

- National passport;
- Seamen's book;
- National license or educational diploma;
- Advanced training for oil tanker cargo operations course certificate

## DURATION OF THE TRAINING COURSE



The duration of the Oil Tanker Cargo and Ballast Handling Simulator training course is 4 working days.

## TRAINING APPROACHES AND EQUIPMENT:



During training course theoretical lessons are given using PowerPoint presentations, practical tasks are conducted on SAFE Cargo - Crude Oil/Products - double hull Model - L3-DPA Simulations Group.

## APPROVAL



The course covers all subject areas recommended by IMO Model Courses 2.06 "Oil Tanker Cargo and Ballast Handling Simulator".

## COURSE LIMITATIONS



The maximum number of participants are 6 persons.