

# **Module Synopses**

## **PDC1 Technical Management for Maritime Superintendent**

### **1. Maritime Superintendent & Shipping Landscape**

This module aims to provide a sound understanding of the roles and responsibilities of the maritime superintendent in ensuring the safe, economic and efficient operation of ships and offshore vessels assigned to him. Particular emphasis will be placed on the importance of ensuring that the ships are managed and operated in accordance with organisational policies, operating procedures and management systems. Students will also learn the macro business environment and knowhow to work with various stakeholders (staff onboard, regulatory authorities and customers) to achieve the business objectives.

### **2. Fleet & Technical Management**

Fleet management involved the skills of understanding how vessels are deployed so that they are gainfully employed. Technical management involves in the optimisation of the resource utilization to ensure vessels are maintained properly. Through this module, the students will be equipped with the skills and knowledge to utilise the tools and processes to manage the fleet effectively to ensure that the vessels maintained their seaworthiness. It also provide the students with an understanding of the principle of the various planned maintenance systems that are available in the industry (Time based, Condition Monitoring).

### **3. Dry Docking Management**

Dry docking of vessels is the most important part of ship management to ensure that vessel will remained under classed. It is also the biggest operational expenditure of ship management. In this module, students will learn how to prepare the dry docking specifications to ensure optimised utilisation of resources and time. Candidates will also acquire the knowledge of interpreting the quotations submitted by the shipyards during the yard selection. This include ensuring that the invoicing from the yard is correct.

## **PDC 2 Maritime Legal, Quality and Financial Management**

### **4. Maritime Regulations & Conventions**

IMO conventions and Port States Regulations formed the fundamental frameworks to ensure seaworthiness of the vessels and protect the environment. This module aims to provide students with the knowledge in ensuring that the team members on board the vessel are properly trained and monitored in accordance to the STCW (The International Convention on Standards of Training, Certification and Watchkeeping for Seafarers). It will also provide the students with an overview on the various IMO conventions, Flag states and Port state regulations to ensure that vessels are managed to achieve the objectives of 'Safe Ships and Clean Seas'.

### **5. Maritime Legal & Financial Management**

The aim of this module is to provide the students with the knowledge and understanding of the legal framework, which covers the commercial aspect of ship operations and management. This include

marine insurance, charter party, bills of lading, claims and dispute. Students will also be provided with an understanding and knowledge on financial management that involves the calculation of cash flow, costing, financial resource management and optimization. Cases of claims that have impact on ship management practices will also be incorporated in this module.

## **6. Health, Safety, Security, Environmental & Quality Management**

This module aims to provide students with a thorough knowledge and understanding of the shipping business of Health, Safety, Security and Environment (HSSE). The students will learn to interpret the various maritime codes and conventions that affect ship operations and management. This module will also help the students to develop an understanding of the Quality and Environmental Management Systems that form an integral part of the workflow in vessels management and operations. The students will learn how to use the tools and techniques in handling incidents that will provide them with the knowhow in dealing with problems effectively in fleet management.