

MANGALORE UNIVERSITY
Department of Business Administration
MBA-Tourism and Travel Administration

TMS 507 ELEMENTS OF PORT MANAGEMENT

Credits: 3

Learning Objective: To familiarize the fundamental functions, operations, ownership and management structure of the ports and terminals.

Learning Outcome: Impart some fundamental terms and operations in port management.

Unit – I Port Structure and Functions - Definition - Types and Layout of the Ports – Organisational structure-Fundamental observations. Main functions and features of ports: Infrastructure and connectivity - Administrative functions - Operational functions. Main services: Services and facilities for ships - Administrative formalities - Cargo transfer - Services and facilities for cargo - Additional “added value” service- Ports and their stakeholders like PHO, Immigration, Ship agents, Stevedores.

Unit - II Port Operations - Berths and Terminals - Berth Facilities and Equipment - ship Operation – Pre - shipment planning, the stowage plan and on-board stowage - cargo positioning and stowage on the terminal - Developments in cargo/container handling and terminal operation - Safety of cargo operations - Cargo security: Measuring and evaluating performance and productivity.

Unit - III Port Development - Phases of port development - Growth in world trade - Changes in growth - Development in terminal operation. Shipping technology and port: Ship knowledge - Ship development and port development - Port time and ship speed - Other technical development affecting port.

Unit - IV Regulatory Framework for Ports - Global regulatory organisations: Conventions and Reports. Environment regulation: Port environmental pollution - Environmental Management System - HAZMAT (Hazardous Materials) - BWM (Ballast Water Management). Port Security: ISM, ISPS, Occupation Safety and Health Administration - ISO1400.

Unit - V Port Administration Ownership and Management - Port ownership structure- Types of port ownership and administration - Organizations concerning ports - Boards governing the ports - Port management development - Rise and fall of Ports - information technology in ports. Port ownership in Indian context: Acts governing the Ports in India - Port ownership structure in India. Port reform: Framework for port reform - Evolution of ports in a competitive world - Alternative Port Management Structure and Ownership Models.

Text Book

1. Patrick M.Alderton. 2008, Port Management And Operations. Informa Law Category, U.K.
2. World Bank. 2007, Port Reform Tool Kit. World Bank, Washington.
- 3.. Maria G.Burns. 2014., Port Management And Operations. Crs Press, U.K.
- 4.. Alan E.Branch. 2008, Elements Of Shipping. Chapman And Hall, Fairplay Publications, U.K
