

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 word 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.