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| Course Title | **Port & Terminal Management** | | | | | | |
| Course Code | MANS-436 | | | | | | |
| Course Type | Elective | | | | | | |
| Level | 1st Cycle | | | | | | |
| Year / Semester | 4th Year, Spring Semester | | | | | | |
| Teacher’s Name |  | | | | | | |
| ECTS | 4 | Theory | | Laboratory | Simulation | | Tutorial |
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| Course Purpose and Objectives | The main objectives of the course are to:   * Understand the significance and challenges related to ports * Understand the legal, economic, operational and commercial aspects of the Port and Terminal operations | | | | | | |
| Learning Outcomes | After completion of the course students are expected to be able to:   * Explain the key issues in the commercial and operational aspects of port and terminal management * Evaluate the role, organization and operation of ports and terminals in promoting the efficiency of the maritime and logistics sector * Apply relevant analytical frameworks to analyze the performance of ports and terminals under the effects of internal and external factors, and draw the implications for port management and stakeholders * Evaluate the port plan of any port and constructively critisise the location of each port function in relation to the others * Relate economic consequences to the infrastructure available for different modes of connecting transportation * Analyze the legal legal aspects of port management (i.e port labour relations) | | | | | | |
| Prerequisites | None | | Required | | | None | |
| Course Content | 1. Introduction - levels of port, their functions and terminal development 2. Operations Management Principles 3. Basic parameters in planning and management of ports and terminals 4. Methods to estimate and assess demand for port and terminal services 5. Basic parameters of port and terminal operations 6. Container terminal planning and management 7. Ships and cargoes 8. Subsystems and basic service provision procedures in container terminals 9. Moving, stacking, storing and handling equipment categories and types 10. Electronic Terminal Operating Systems 11. Trends in terminal automation - Impacts on terminal and port work 12. Port and terminal performance assessment and Key Performance Indicators (KPIs) – Port competition, cost and marketing      1. Port ownership and legal aspects of port management | | | | | | |
| Teaching Methodology | Lectures, in-class assignments, sound and video equipment, computer, projector, field training | | | | | | |
| Bibliography | 1. **Required Textbooks/Reading:**  |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Authors** | **Title** | **Publisher** | **Year** | **ISBN** | | Valerie Stringer | Port & Terminal Management, 2020 Edition | Institute of Chartered Shipbrokers | 2020 | 9781911328117 |  1. **Recommended Textbooks/Reading:**  |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Authors** | **Title** | **Publisher** | **Year** | **ISBN** | | Maria G. Burns | Port Management and Operations | CRC Press | 2014 | 9781482206753 | | | | | | | |
| Assessment | Homework, in-class assignments, projects, midterm, final exam. | | | | | | |
| Language | English | | | | | | |