ಮಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯ

MANGALORE UNIVERSITY

(Accredited by NAAC with 'A' Grade)

ಕ್ರಮಾಂಕ/ No. : MU/ACC/CR 40/2019-20/A2

ಕುಲಸಚಿವರ ಕಛೇರಿ
ಮಂಗಳಗಂಗೋತ್ರಿ – 574 199
Office of the Registrar
Mangalagangothri – 574 199
ದಿನಾಂಕ/Date:20.01.2021

NOTIFICATION

Sub: Syllabus of Career Oriented Programme in Port Management
Ref: Academic Council approval vide agenda No.: ಎ.ಸಿ.ಸಿ.:ಶೈ.ಸಾ.ಸ.2:7(2020–21) dtd 23.12.2020.

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The syllabus of Career Oriented programme in Port Management which has been approved by the Academic Council at its meeting held on 23.12.2020 is hereby notified for implementation with effect from the academic year 2020-21.

Copy of the Syllabus shall be downloaded from the University Website (www.mangaloreuniversity.ac.in)

REGISTRAR

To,

1. The Principals of the College concerned.
2. The Chairman, Combined BOS in Tourism & Travel Management, Hospitality Management & PG Diploma in Tourism Hotel Management, Aviation and Hospitality Management.
3. The Registrar (Evaluation), Mangalore University, Mangalagangothri.
4. The Superintendent (ACC), O/o the Registrar, Mangalore University.
5. The Asst. Registrar (ACC), O/o the Registrar, Mangalore University.
6. The Director, DUIMS, Mangalore University – with a request to publish in the website.
7. Guard File.

MANGALORE UNIVERSITY

CAREER ORIENTED PROGRAMME IN PORT MANAGEMENT

PREAMBLE:

Shipping sector forms the backbone of international trade. It contributes (directly and indirectly) tremendously towards the growth of World economy. Shipping industry is responsible for the transportation of a sizeable chunk of goods across the world. Administration in Port and Shipping Management course has been designed to meet the requirements of shipping sector and its allied fields. The main aim of this course to churn out skilled management professionals/work force who are capable of managing port and shipping operations.

OBJECTIVES:

- To understand the basic rationale of port business.
- To understand how ports structure the delivery of services and the relationship between infrastructure, conservancy, navigation and handling facilities.
- To know how the activities are organized to interface with one another and typical port organizational structure.
- To be aware of the importance of ports being managed as commercial enterprises irrespective of their ownership.

LEARNING OUTCOMES:

As a result of taking this course, the student should be able to:

1. Define the role of ports, including in a through transport context, and their features, including different forms of ownership structure of ports.
2. Identify the interface of ports with logistics and the position of ports in the supply chain.
3. Analyze port performance and relevant quality management systems.
4. Describe the involvement of principal stakeholders in port management, port safety and port security (unions, customs, etc.).
5. Analyze port charges and port competition related issues.
6. Integrate port planning and development policies.

Add on Program Pattern

I Year **PORT MANAGEMENT (PM- Leading to Certificate)**

Paper I	Instruction (Hours per week)	Duration of examination (Hours)	Marks		
			Final Exam	Internal Exam	Total
Maritime Business	3	3	100	50	150
Pract I/Project	3	3	100	50	150

II Year PORT MANAGEMENT (PM- Leading to Diploma)

Paper II	Instruction (Hours per week)	Duration of examination (Hours)	Marks		
			Final Exam	Internal Exam	Total
Ports & Terminals Management	3	03	100	50	150
Pract II/Project	3	3	100	50	150

III Year PORT MANAGEMENT (PM- Leading to Advanced Diploma)

Paper III	Instruction (Hours per week)	Duration of examination (Hours)	Marks		
			IA	Exam	Total
International Maritime Organisation	3	3	100	50	150
Pract III / Project	3 3	3 Viva Voce	100 100	50 -	150 100

METHODOLOGY

- Direct Instruction
- Flipped Classrooms
- Kinesthetic Learning
- Differentiated Instruction
- Inquiry-based Learning
- Expeditionary Learning
- Personalized Learning
- Game-based Learning

I YEAR **PORT MANAGEMENT**

MARITIME BUSINESS

CHAPTER 1: **General International Trade**

Role of Shipping, Major Trade lanes, features & patterns of trade, Commodities traded, Major origins and destinations, Seasons & Effect of Weather on shipping, Latitude and Longitude, Types of ships used for various cargoes & ship design , Major Maritime Nations and basic Shipping Terminology

CHAPTER 2: Liner Shipping Overview Liner Shipping Business

Concept of Sectors in Liner Shipping, Types of Liner Ship Operators, Ship owning operations , NVOCC operations, MTO operations, Types of Liner Services, Independent Service, Consortium / Alliance services , Principles of Container Operations.

CHAPTER 3: Bulk & Tanker Trade Overview Bulk Shipping Business

Dry Bulk operations, Tanker operations, Principles of chartering, Bulk pool operations

CHAPTER4: Ports, Canals & Waterways Overview of ports, canals & waterways

Inland Terminals, Port Features required for various cargo types, Port ownership / Management models, Environmental issues

CHAPTER 5: **Freight Forwarding International Freight Forwarding**

Logistics Service Providers, Project Cargo Forwarding, Multimodal operations, Warehousing Operations.

REFERENCES

1. Elements of Shipping - Alan Branch (0th Edn, Sterling / Routledge)
2. Commercial Shipping Handbook - Peter Brodie (2nd Edn, Informa Finance)
3. Logistics Management & World Seaborne Trade – Krishnaveni Muthiah (Himalaya Publishing House 2009)
4. Start Your Own Freight Brokerage Business - Lynn & Jacquelyn (3rd Edn, Enterpreneur Press)
5. Freight Forwarding & Multimodal Transport Contract – D. Glass (1st Edn, Informa Legal Publishing UK 2004)
6. Logistical Management – The Integrated Supply Chain Process – D.J.Bowersox & D.J.Gloss (Tata Mcgraw Hill, 2008)

II YEAR **PORT MANAGEMENT**

PORTS & TERMINALS MANAGEMENT

CHAPTER 1: Ports & Terminals

Ports & Terminals Economic impact of ports on the regional economy, Location Characteristics, Organization structure in Ports, Interface of Rail & Road infrastructure, Factors affecting the future ports & terminals

CHAPTER 2: Port Operations

Managing Port Operations, Introduction to Vessel Traffic Systems (VTS) & Harbor Authority, Services rendered by Ports and performance indicator, Terminal operations, Factors affecting Terminal Productivity, Cargo handling equipment and intermodal connections

CHAPTER 3: Services Marketing of Port services

Identifying stakeholders, Concept of Hinterland, Identifying Customer Needs, handling competition & adding value, IT infrastructure in ports and terminals

CHAPTER 4: Port Development

Port development to tap the potential of Coastal Shipping, Cabotage law & practices affecting coastal movement of cargo, Green field projects for development of minor ports, Comparative analysis coastal shipping vs inland movement.

CHAPTER 5: **Environment, Health & Safety**

Environmental issues connected with Ports & Terminals, Health & safety issues, Port Security issues, International Ships & Port facility security (ISPS) code.

REFERENCES:

1. Port Management and Operations – Patrick Alderton (2nd Edn, Informa Maritime & Transport Jun 2008)
2. Port security Handbook 2004 – Lloyds Register
3. Port Infrastructure & Economic Development – Pradeepta Kumar Samanta & Ashok Kumar Mohanty (Gyan Publications 2005)
4. Port State Control – Dr.Z.Ozcayir (2nd Edn, Informa Professional Jun 2004) 5. Port Development : A Handbook for Planners in developing countries – UNCTAD
6. Excellence in Warehouse Management : How to Minimize Costs & Maximize Value - Stewart Emmet (John Wiley & Sons Ltd Jul 2005)

INTERNATIONAL MARITIME ORGANIZATIONS

CHAPTER 1: International Maritime Organisation

Introduction of International Maritime Organisation, History of IMO, Membership in IMO, Legal instruments, SOLAS, COLREG, PSC. Governing bodies in IMO, Technical Committee, Marine safety Committee, Standards and Recommendations for safety Investigation in Marine casualty.

CHAPTER 2: IMO Sub Committee Roles Safety of navigation

Radio communications, search and rescue, Standards of training and watch keeping, , Ship design and equipment, Fire protection. Stability, load lines and fishing vessel safety. Flag state implementation, Dangerous goods, solid cargoes and containers, bulk liquids and gases.

CHAPTER 3: Current Issues in IMO

International ship and Port facility security code, International code of signals, Working group for Green house gas emissions from ships, Marine Environment Protection committee – MEPC

CHAPTER 4: Maritimes Issues

Issues of Indian Ocean Piracy and Maritime security, Continental shelf, Boundaries, Fisheries. Coastal states vs Maritime states, Marine protected areas, Regional approach, Marine Pollution

CHAPTER 5: International Issues

Pacific – sea level rise and climate change, small island states, Polar issues, Arctic and Antarctic issues and East Asia issues, Maritime security, Island Disputes and Mediterranean issue, Gibraltor (UK vs. Spain), UN convention on the law of sea.

REFERENCES

1. Current Maritime issues and the International Maritime Organization- R.R. Churchill & A.V.Lowe.
2. Ashley Roach & Robert. W. Smith – Straight baselines; need for universally applied norm.
3. The law of the sea- juris publications.
4. Ray Arnaudo – the Unique nature of the Antarctic Treaty system
5. Curt Weldon – the Ocean storage of Nuclear waste

Faculty Qualification:

- Master in Commerce / Management or equivalent subject with minium 55% marks and some exposure to Import export and port operations.