



**CURRICULUM
OF
MASTER IN PORT AND SHIPPING MANAGEMENT**

**DEPARTMENT OF PORT AND SHIPPING MANAGEMENT
FACULTY OF SHIPPING ADMINISTRATION
BANGABANDHU SHEIKH MUJIBUR RAHMAN MARITIME UNIVERSITY,
BANGLADESH**

Table of Contents

1. Introduction to the University
2. Introduction to the Faculty
3. Introduction to the Department
4. Introduction to the Program
5. Vision of the Program
6. Mission of the Program
7. Program Outcome
8. Learning Outcome
9. Generic Skills
10. Curriculum Structure
11. Course Schedule
12. Teaching Strategy
13. Assessment Strategy
14. Course Profile
- 14.1 **Fundamental Courses**
 - 14.1.1 MPSM 512: Management and Organizational Behaviour
 - 14.1.2 MPSM 513: Accounting & Financial Management
 - 14.1.3 MPSM 514: Maritime Economics
 - 14.1.4 MPSM 515: Maritime English and Business Communication
 - 14.1.5 MPSM 526: Research Methodology
- 14.2 **Core Courses**
 - 14.2.1 MPSM 511: Introduction to Port and Shipping
 - 14.2.2 MPSM 521: Maritime Human Resource Management
 - 14.2.3 MPSM 522: Supply Chain Management and Marketing
 - 14.2.4 MPSM 523: Fleet and Cargo Operation Management
 - 14.2.5 MPSM 524: International Law and Maritime Conventions
 - 14.2.6 MPSM 525: Maritime Safety and Security
 - 14.2.7 MPSM 531: Ship Broking and Chartering
 - 14.2.8 MPSM 532: Strategic Maritime Management
- 14.3 **Elective Courses**
 - 14.3.1 MPSM 533: Port Operation and Planning
 - 14.3.2 MPSM 534: Multimodal Transportation and Logistics
 - 14.3.3 MPSM 535: Environmental Issues in Port and Shipping
 - 14.3.4 MPSM 536: Marine Insurance and Claim

14.4 **SkillDevelopment Courses**

14.4.1 DEV 501: Study Tour/ Field Trip-1

14.4.2 DEV 503: Study Tour/ Field Trip-2

14.4.3 DEV 505: Study Tour/ Field Trip-3

14.4.4 DEV 502: Student Concluding Seminar-1

14.4.5 DEV 504: Student Concluding Seminar-2

14.4.6 DEV 506: Student Concluding Seminar-3

14.5.1 **Dissertation/ Thesis**

14.5.1 MPSM 500: Dissertation/ Thesis

1. Introduction to the University

1.1 Introduction: The victory over maritime boundary delimitation with neighbouring countries opened a new window in the maritime arena of Bangladesh. Vast sea area along with scarcity in land based resources has made it imperative to boost up our economy through effective exploration of sea resources. Keeping this in perspectives honourable Prime Minister Sheikh Hasina outlined the concept of blue economy and underscored the importance of effective manpower in the maritime sector.

In order to create effective human resources, the first ever specialized university Bangabandhu Sheikh Mujibur Rahman Maritime University, Bangladesh (BSMRMU) was established in 2013 after the name of the Father of the nation Sheikh Mujibur Rahman. Our motto is “We strive for Maritime Excellence”. The University aims at bringing all maritime professional to a common platform to share knowledge and carryout research for the advancement of maritime sector and developing effective human resources in this sector.

1.2 Mission: Bangabandhu Sheikh Mujibur Rahman Maritime University, Bangladesh is committed to provide quality education based on state of the art technological support responsive to the emerging challenges at home and abroad.

The university is dedicated to nurture and develop world class professionals, who would serve the mankind with strong sense of ethical values and competence and ready to face the competitive world of maritime business, service and employment.

1.3 Vision:Our vision is to promote and create a learning environment for higher maritime education with excellence, through state- of- the- art facilities and gadgets, competent faculty and staff, expanded frontier of research based knowledge and international standards supportive of the new horizons in diverse fields by 2021.

1.4 Goals: Achieve sustainable development and progress of the university through mutual cooperation with other related universities/ institutions.

Continue to upgrade educational services and facilities responsive to the demands and requirements of the nation.

Bring all types of marine professionals on a common platform to share knowledge and perform research and development works for the advancement of country's maritime sector.

Enhance research consciousness in the maritime sector in discovering new dimensions with the upcoming challenges.

Accelerate the participation of alumni students and professionals with educational programs and development of projects designed to expand and improve academic standards.

Teach students on marine science and technology and guide them towards research to enhance contribution to the maritime profession.

Conduct various educational programmes and research works for sustainable development of the maritime service and industrial sector of the country.

Educate students on different subjects of maritime management, law and security and strategy and conduct research on allied fields.

Create conducive environment for students to prepare themselves to serve the nation as future planners/ policy makers/ leaders in maritime sectors in coordination with national and international organizations including International Maritime Organization (IMO).

1.5 Faculties and Institutes: The university aspires to have seven teaching faculties and four research institutes. The name of faculties and institutes is following:

1. Faculty of Maritime Governance and Policy (FMGP)
2. Faculty of Shipping Administration (FSA)
3. Faculty of Earth and Ocean Science (FEOS)
4. Faculty of Engineering and Technology (FET)
5. Faculty of General Studies (FGS)
6. Faculty of Computer Science & Informatics (FCSI)
7. Faculty of Maritime Business Studies (FMBS)

Research institutes are: Institute of Professional Language, Institute of Bay of Bengal & Bangladesh Studies, Institute of Renewable Energy & Marine Resource and Institute of Disaster management.

2. Introduction to the Faculty of Shipping Administration:

Faculty of Shipping Administration is one of the oldest faculties of the university. The faculty has special learning environment, innovative course curriculum, methods of teaching, and quality programs. The faculty has mainly three departments namely Port and Shipping Management, Nautical Science and Transportation and Logistics Management.

3. Introduction to the Department of Port and Shipping Management:

The Department of Port and Shipping Management started its journey from the very inception of this University under the Faculty of Shipping Administration. The Department is committed to provide an excellent teaching and learning environment. Global standard curriculums are followed to impart quality education by the qualified and competent teachers. Graduates of this department will get a unique opportunity to develop their career in the different areas of job market like domestic and foreign port, terminals and ICDS, University Teaching, shipping companies, commercial organizations, freight forwarding companies etc.

4. Introduction to the Program:

4.1 General: Master in Port and Shipping Management (MPSM) is an 18 months industry attractive post-graduate program under the Department of Port and Shipping Management. The program is designed with 15 theoretical courses and a dissertation/Thesis. Besides, the student has to perform a field trip/study tour and student concluding seminar in every semester. Total credit for the program is 60.

4.2 Division of Semester: The duration of each semester is 26 weeks. Distribution is as follows:

a.	Classes	15 weeks
b.	Mid Term Examinations	02 week
c.	Preparatory Leave	02 weeks
d.	Term Final Examination	03 weeks
e.	Recess	04 weeks

4.3 Admission Criteria: Every applicant must fulfil the admission requirements as prescribed by BSMRMU. The minimum requirements for admission into the program are:

- a. A Bachelor degree or its equivalent in any field including Maritime, Science, Business, Engineering and Agriculture.
- b. Applicant with general education must have at least second division or CGPA 2.25 in all public examination.
- c. Applicants with GCE must have passed at least five subjects in O level (including mathematics) and at least two subjects in A level. However, applicant having more than two 'D' grades in O level and/or more than one 'D' grades in A level shall not be eligible for admission.
- d. Applicants having at least two years job experience shall be given preference.
- e. Foreign applicants shall apply through their respective embassy.

4.4 Admission Test: All eligible applicants shall be required to appear the admission test as per BSMRMU Admission Policy/regulations for Masters in Port and Shipping Management. Admission test shall normally be comprised of written test and viva voce. Only written test qualified applicant shall be called for viva voce.

4.5 Final Selection and Registration: The final selection for admission shall be based on Admission Test result. Selected candidates shall be registered with the programme in accordance with the procedures as laid down by BSMRMU.

4.6 Degree Requirement: Degree requirements are as follows:

- a. Passing of all courses with minimum Cumulative Grade Point Average (CGPA) of 2.50 (C+) in 4.00 point grading scale at the end of the program.

- b. Completion of Dissertation with a minimum grade of 2.50 (C+).

4.7 Credit Earned: The Courses in which a student has obtained ‘D’ or a higher Grade will be counted as credits earned by him/her. Any course in which a student has obtained ‘F’ grade will not be counted towards his/her earned credits.

4.8 Grading System: Letter grades and corresponding grade points will be awarded in accordance with the provisions (unified UGC grading system) shown below:

Grade	Grade points	Numerical Markings
A+	4.0	80% and above
A	3.75	75% to below 80%
A-	3.50	70% to below 75%
B+	3.25	65% to below 70%
B	3.00	60% to below 65%
B-	2.75	55% to below 60%
C+	2.50	50% to below 55%
C	2.25	45% to below 50%
D	2.00	40% to below 45%
F	0.00	below 40%
I	Incomplete	-
W	Withdrawn	-
X	Projects/Thesis continuation	-
E	Expelled	Due to exam offence

4.9 Eligibility for Appearing Term Final Examination: An examinee shall be eligible for appearing at the term final examination upon fulfilment of the following conditions:

- a. The examinee submitted an application for appearing at the term final exam in the prescribed form (hard copy/Online) to the Controller of Examinations through his/her department/institutes.

- b. The examinee has paid the prescribed examination fees and all outstanding dues (including dues of hall/mess for resident students) of the university.
- c. The examinee has attended minimum 75% of classes held in an individual course.
- d. The examinee, who has attended from 60% to below 75% of classes, may be eligible to sit for the examination subject to the payment of non-collegiate fees fixed by BSMRMU.

4.10 Course Waiver: A student with relevant degrees from reputed universities may get maximum 16 credits waiver provided they fulfil the following conditions:

- a. Obtained at least a 'B' grade or 1st class in a similar course in the earlier program
- b. Minimum least 70% of the course contents are similar

All applications for course waiver will be reviewed by equivalence committee on a case-by-case basis and finally shall be approved by the Academic Council of BSMRMU.

4.11 Retaking a Course: It is expected that students will obtain degree by clearing the entire offered courses of specified credit hours as per the syllabus within academic period of three years. In case of failure to do so by any student the following guiding policies shall be adopted:

- a. A student obtaining F grade in a course may be allowed to repeat the course with the prior approval of Head of the Department on the recommendation of the course coordinator. Such approval shall be reported to the BPGSR and academic council.
- b. A student shall not be allowed to continue the programme if he/she obtains a total of three or more F grades in any term/semester.

c. If at the end of the second or any subsequent semester, the cumulative GPA falls below 2.0 he/she shall not be allowed to continue in the programme.

d. Two courses may be repeated for improvement with the prior approval of the Head of the Department on the recommendation of the course coordinator. Such approval shall be reported to the BPGSR and academic council.

5. Vision of the Program:

Developing world-class postgraduate to penetrate the maritime industry.

6. Mission of the Program:

Supporting and structuring industry attractive curriculum and state of the art teaching.

7. Program Outcome:

- An ability to apply the knowledge of business and science in the field of port and shipping management
- An ability to formulate maritime problems and develop practical solutions
- An ability to work effectively in teams and provide leadership
- An ability to effectively communicate orally, graphically and in writing
- An understanding of managerial, professional and ethical responsibility

8. Learning Outcomes of the Programme:

After the successful completion of the master program, the students will be able to

- Plan,organize and control the port, terminal, depot etc.
- Manage shipping and shipping ancillary business
- Execute strategic maritime decision
- Design transportation routes and logistics

9. Generic Skills:

The generic skills for the program is primary maritime knowledge, information technology, introduction to business, mathematics, routes and history of trade and communicative English

10. Curriculum Structure

Master in Port and Shipping Management Program consists of the following categories of courses:

Category	No. of Courses	Credit	Percentage
Fundamental Courses	5	15	25 %
Core Courses	8	24	40 %
Elective Courses	2	6	10 %
Dissertation/ Thesis	1	10	16.67 %
Skill Development Courses	2	5	8.33 %
Total	18	60	100

11. Course Schedule:

The course schedule of the program is as follows:

Semester 1				
Ser.	Sub. Code	Course Title	Credit	Contact Hours
1.	MPSM 511	Introduction to Port and Shipping	3	42
2.	MPSM 512	Management and Organizational Behaviour	3	42
3.	MPSM 513	Accounting & Financial Management	3	42
4.	MPSM 514	Maritime Economics	3	42
5.	MPSM 515	Maritime English and Business Communication	3	42
6.	DEV 501	Study Tour/ Field Trip-1	1	3-4 days
7.	DEV 502	Student Concluding Seminar-1	1	2-3 Days
Sub Total			17	

Semester 2				
1.	MPSM 521	Maritime Human Resource Management	3	42
2.	MPSM 522	Supply Chain Management and Marketing	3	42
3.	MPSM 523	Fleet and Cargo Operation Management	3	42
4.	MPSM 524	International Law and Maritime Conventions	3	42
5.	MPSM 525	Maritime Safety & Security	3	42
6.	MPSM 526	Research Methodology	3	42
7.	DEV 503	Study Tour/ Field Trip-2	1	3-4 days
8.	DEV 504	Student Concluding Seminar-2	1	2-3 days
Sub Total			20	
Semester 3				
1.	MPSM 531	Ship Broking and Chartering	3	42
2.	MPSM 532	Strategic Maritime Management	3	42
3.	DEV 505	Study Tour/ Field Trip-3		3-4 days
4.	DEV 506	Student Concluding Seminar-3	1	2-3 days
Any Two of the Following				
5.	MPSM 533	Port Operation and Planning	3	42
6.	MPSM 534	Multimodal Transportation and Logistics	3	42
7.	MPSM 535	Environmental Issues in Port and Shipping	3	42
8.	MPSM 536	Marine Insurance and Claim	3	42
Sub Total			13	
1.	MPSM 500	Dissertation/ Thesis	10	
Total			60	
			Credits	

12. Teaching Strategy:

The teaching strategy of the program is mainly lecture based. Other teaching strategies includes; case analysis, group discussion, workshop, seminar, and fieldwork learning etc.

13. Assessment Strategy:

13.1 Theoretical Courses:The performance of the theoretical courses shall be evaluated through continuous assessment and semester final examination. Forty percent (40%) of marks

of a course shall be allotted for continuous assessment and remaining sixty percent (60%) shall be allotted to the Semester Final Examination. The continuous assessment shall include class attendance and participation, quizzes/class test, term paper/assignments/case study and midterm examinations. Distribution of marks is as follows:

- a. Class Attendance: 05%
- b. Observation/ Class Participation: 05%
- c. Term Paper/Assignment/Case Study: 05%
- d. Quizzes/Class Test: 05%
- e. Mid Term Examination: 20%
- f. Term/semester Final Examination: 60%

13.2 Dissertation/ Thesis: The marks distribution for dissertation is as follows:

Content	Marks
Thesis Report	60%
Presentation	30%
Oral Exam	10%

13.3 Skill Development Courses: Developing Course is comprised of two items. One is field trip/ study tour and the other one is student concluding seminar. The performance of the field trip/ study tour of each student will be evaluated as follows:

Content	Marks
Attendance	20%
Participation	20%
Visit Report	30%
Presentation	30%

The performance of the Student Concluding Seminar of each student will be evaluated as follows:

Content	Marks
Attendance	10%

Submission of Paper	30%
Presentation	40%
Handling Questionnaire	20 %

11. Course Profile:

The course profile is describing as follows:

DISSERTATION/ THESIS

Course Code : MPSM 500

Credit : 10

Aim:

To demonstrate skill in research, writing and analysis.

Learning Outcome:

The students will gain hands-on research experience through completing a research project, starting with hypothesis development, literature searching, experimental design, data collection, analysis, and interpretation. Students will also gain experience in written and oral communication by submitting several written components including research proposal, progress report, and final thesis as well as presenting the results of their research in an oral presentation.

Method of Conduct: The student will submit the three dissertation/ thesis topics and name of supervisors at the beginning of the second semester. The BPGSR will analyse the topic and supervisor and recommend the list to Academic Council for Approval. The overall guideline of the dissertation/ thesis will be circulated to the students throughout the semester by Dean Office.

INTRODUCTION TO PORT AND SHIPPING

Course Code : MPSM 511
Credits : 3.0
Contact Hours : 42

Aim:

- To orient the students with the basics of port, shipping and ancillary businesses of port and shipping.
- To have an understanding about how port, terminals, shipping companies and other adjuvant organizations perform its functions.

Learning Outcomes:

By the end of this course, the students will be able to:

- Describe the functions of port, shipping and maritime organizations.
- Analyse ancillary activities of shipping and ports
- Identify the shipping company structure and its market.
- Describe the flagging policy and decisions

Syllabus Contents:

1. 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.
2. Shipping Company Structure: Organization of a shipping company – Roles of Commercial, Technical & Crewing departments – In house vs outsourcing of Ship Management functions – Ship Registries, National vs Open Registries – Ship Classification societies
3. Port Operations: Managing Port Operations – Introduction to Vessel Traffic Systems (VTS) & Harbour Authority – Services rendered by Ports and performance indicators – Terminal operations – Factors affecting Terminal Productivity – Cargo handling equipment – intermodal connections

4. The roles and functions of United Nations and other International Organizations (IMO, ILO, UNCTAD, WHO) in the maritime context. International conventions and national regulations: responsibilities of ship-owners and crews; reports, declaration and certification requirements.

5. Flagging policy and decisions; flag state and ship registration practices, Shipping management practices and the uses of BIMCO SHIPMAN and CREWMAN. Design and development of safety management systems in maritime organizations using ISM Code.

6. International Maritime Organization: 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. 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.

Recommended Text(s):

1. [H. Ligteringen](#) , [H. Velsink](#), Ports and Terminals (Book)
2. Downard, J. (1987), Managing Ships, London: Fairplay Publications Ltd.
3. Shipping Law Handbook – Bundock, 1997 Ed. (LLP)

MANAGEMENT AND ORGANIZATIONAL BEHAVIOUR

Course Code : MPSM 512
Credits : 3.0
Contact Hours : 42

Aim:

The aim of the course is:

- To develop knowledge and understanding of the principles, purposes, processes and practices of management and the ability to relate and apply this knowledge within roles and organizations.
- To have an understanding about how people interact in an organization and also to help an individual to have a better understanding about one's own self.
- Understand human behavior in organizations, including diversity, attitudes, job satisfaction, emotions, moods, personality, values, perception, decision making, and motivational theories.
- Understand the organizational system, including organizational structures, culture, human resources, and change.

Learning Outcomes:

By the end of this course students should be able to:

- The student will explain the various theories and processes of management including its functions, identify roles of leadership in business and recognize elements of the communication process and the guidelines for organizational design.
- The student will interpret interpersonal roles related to work groups and demonstrate knowledge of the basic language of management.

Syllabus Contents:

1. Nature, Functions and Development of Management Thoughts: Meaning and Importance of Management and Manager- Nature, Functions, Development of Management Thought- Early Classical Approaches- Neo Classical Approaches and Modern Approaches.

2. Planning, Decision Making and Organizing: Planning- Nature- Importance- Forms-Types- Steps and Limitations. Management by Objectives- Strategic planning. Decision Making- Meaning- Types - Steps (Process) - Modes of increasing participation in decision making- strategies for improving decision making. Organizing- Elements- Contingency variables affecting structure, Organization design applications- learning organizations.

3. Leading: Foundations of leadership: Concept, Types & Contemporary Issues; Motivating and

Rewarding Employees- Motivation Theories- Contemporary Issues; Leadership and Trust- Behavioral and Contemporary Theories- Emerging Approaches – Issues; Building trust as the essence of leadership. Communication and Interpersonal Skills-understanding communication, Communication and Information Technology, Developing Interpersonal skills.

4. Managerial Ethics, Social Responsibility and Managerial Control: Determinants of managerial ethics- Ethical guidelines for managers; Social responsibility of business towards different groups- Social Audit- Business ethics and Corporate Governance. Foundations of Control- Importance of control- Types-Implications for managers- Dysfunctional side of control- Contemporary issues.

5. Controlling: Control and Controlling Process, Basic Elements of Control, Advantages and Disadvantages of Different Controlling Styles, Situation Based Controlling Techniques, Managing Operations, Quality & Control. Controlling Mechanism in Service Industry.

6. Organizational Behavior: Foundations of Individual Behavior, ability, biographical characteristics, learning theories. Values, Power and Politics bases dependencies as key to power, power tactics: causes and consequences of political behaviour. Conflict and Negotiation; Transition in Conflict thoughts, Conflict process, Negotiations, Global Implications, Stress Management.

Recommended text(s):

1. Stephen P Robbins and David A De Cenzo, Fundamentals of Management:Essential Concepts and Applications, Pearson Education.
2. Stephen P Robbins, Organizational Behaviour, 13th Edition; Pearson Education.
3. Rao VSP &Krishn, Management: Text and Cases, Excel Books.
4. Tripathy PC & Reddy PN (2008); Principles of Management; Tata McGraw Hills

ACCOUNTING AND FINANCIAL MANAGEMENT

Course Code : MPSM 513
Credits : 3.0
Contact Hours : 42

Aim:

The aim of this course is to orient students the basics of accounting and financial management so that they can apply this knowledge in their respective field.

Learning Outcomes:

After the completion of this course, the students will be able to:

- Identify transactions and record to ledger and also be able to prepare final accounts.
- Analyze the financial statement and its ratio.
- Take decisions in capital budgeting and investments.
- Identify cost and management accounting techniques and ideas.

Syllabus Contents:

1. Financial Accounting: Meaning, nature and importance. Accounting cycle, accounting equation. Journal, Ledger and Trial Balance.

2. Preparation of Final Accounts: Manufacturing Accounting, Trading Account, Profit and Loss Account, Profit and Loss appropriation Account, Balance Sheet (with adjustments). Depreciation Accounting

3. Analysis of Financial Statement: Meaning and importance of Ratio analysis, Profitability ratios, Activity ratios, Liquidity ratios, Long-term solvency ratios, Common size statement, Comparative statements and Trend analysis

4. Cost Sheet and Break Event Point: Meaning and importance, Classification of cost, Finding COGS, Unit cost, Preparation of cost sheet, Finding BEP.

5. Basics of Finance and Time Value of Money: Principles of Finance, Present Value, Future value, Annuity, Simple Interest, Compound Interest, Timeline.
6. Capital Budgeting Techniques: Meaning and Importance, Payback Period, Discounted Payback Period, Net Present Value, Internal Rate of Return, Accounting Rate of Return, Profitability Index.
7. Cost of Capital: Basic Concept, Cost of Debt, Cost of Equity, Expected Rate of Return, Weighted Average Cost of Capital, Capital Structure.
8. Stock Market, Budget and Bangladesh Economy: Basics of Stock Market, Budget and Bangladesh Economy, Different Levels of Financial Markets, DSE, CSE, Different Economic Indicators of Bangladesh Economy

Recommended Text(s):

1. Weygandt, J.J, Kimmel, P.D, Kieso, D.E, Principle of Accounting (Latest Edition)
2. Pandey, I. M, Management Accounting, Vikas Publishing House, New Delhi.
3. Arora M N, Cost and Management Accounting, Vikas Publishing House, New Delhi.
4. Horngreen, C.T. Sundem G.L., Stratton W.O., Introduction to Management Accounting, PHI India, New Delhi
5. Jain S.P. & Narang K.L., Advanced Accounting, Kalyani Publication, Revised edition.
6. Maheshwari S.N. & Maheshwari S.K., Corporate Accounting Vikas Publication, 2008.

MARITIME ECONOMICS

Course Code : MPSM 514
Credits : 3.0
Contact Hours : 42

Aim:

The aim of the course is to provide an understanding of how the shipping market economic works. Students would be able to answer some basic questions about how the shipping market

is organized, how it works, how the freight rate is determined, how the cycle works, how are ships financed and what influence the design as well as the economic principle behind these.

Learning Outcomes:

Students will be able to identify/discuss/describe/explain/analyze:

- Shipping and Shipping Market Economics
- Shipping Company Economics
- Seaborne Trade and Transport Systems
- The Merchant Fleet and Transport Supply
- Forecasting and Planning

Syllabus Contents:

1. The economic organization of the shipping market: Economic role of the shipping industry, demand for sea transport, world merchant fleet, supply of sea transport, role of ports in the transport system, Shipping cycles and shipping risk, Characteristics of shipping market cycles, The frequency of shipping cycles, Freight market cycles, 1869–1914, The return on investment in shipping, The prediction of shipping cycles.

2. Supply, demand and freight rates :The shipping market model , The demand for sea transport, The supply of sea transport , The freight rate mechanism .Costs, revenue and financial performance: Cash flow and the art of survival , The cost of running ships, The capital cost and financial performance , The revenue calculation , Computing the cash flow.

3. Financing ships and shipping companies:Ship finance and shipping economics, How ships have been financed in the past , The world financial system and types of finance, Financing ships with equity , Financing ships with debt , Finance for new buildings , Leasing ships.

4. The economic principles of maritime trade: study seaborne trade, The countries that trade by sea, An explanation of trade theory ,Theories about the pattern of trade, Economic growth and sea trade, Trade forecasting and the commodity trade model.

5. The global pattern of maritime trade: Introduction, The Westline theory, Geographical

distribution of seaborne trade, Maritime trade of the Atlantic and East Pacific, Maritime trade of the Pacific and Indian Oceans, Eastern Europe and the former Soviet Union

6. Bulk cargo and the economics of bulk shipping :The commercial origins of bulk shipping , The bulk trades, The ‘transport system’ concept , Handling bulk cargoes , Liquid bulk cargoes , The five major dry bulks , The minor bulk trades , Refrigerated cargo, The vehicle trade

7. The general cargo and the economics of liner shipping: Introduction, The origins of the liner service, Economic principles of liner operation , Liner conferences and their regulation, The components of liner service costs , The liner service cash flow model, Liner prices , The demand for liner services , The liner shipping routes ,The liner fleet, The economics of ships and ship designs

8. The regulatory framework of maritime economics: How maritime regulation affects maritime economics, The institutions that regulate shipping , Self-regulation and the classification societies , The law of the sea , The regulatory role of the flag state ,

9. The economics of shipbuilding and scrapping: Role of the merchant shipbuilding and scrapping industries, Regional structure of world shipbuilding , Shipbuilding market cycles, The economic principles , The shipbuilding production process , shipbuilding costs and competitiveness ,The ship breaking industry.

10. Marketing environment – customer oriented organization – marketing interface with other functional areas marketing in a globalised environment–The concept of global marketing –Importance, Growth and Benefits-Scope and challenge of international marketing.

Recommended Text(s):

1. Martin Stopford, Maritime Economics
2. E. Karakitkos, L. Varnabides, Maritime Economics: A Macroeconomic Approach
3. Kotler, Keller, Koshy, Jha, Principles of Marketing Management, Prentice Hall.
4. P.K.Vasudeva, International Marketing, Excel books,2004.

MARITIME ENGLISH AND BUSINESS COMMUNICATION

Course Code : MPSM 515
Credits : 3.0
Contact Hours : 42

Aim:

The aim of this course is to develop the ability of our students to communicate well in any corporation or organization and also orient our students some basics of maritime related English.

Learning Outcomes:

By the end of the course, students should be able to: understand the fundamental principles of effective business and managerial communication; apply the critical and creative thinking abilities necessary for effective communication in today's business world; organize and express ideas in writing and speaking to produce messages suitably.

They will also be able to apply information systems in business in a narrow extent.

Syllabus Contents:

1. Speaking: Guided conversations (greetings, requesting, apologizing), Two-minute impromptu talks, Preparing and presenting talks on a given theme, Interviews Informal debates and group discussion, Public Speaking, Oral presentation, Responding to audio/video clips
2. Listening: Listening for main ideas/key information, Listening for specific details, Listening and understanding both implicit and explicit messages, Listening and responding to texts, Listening and note-taking, Listening to news, broadcasts and songs
3. Reading: Reading strategies, Speed reading, Active reading, Reading to improve linguistic skills and expand vocabulary, Critical reading, Extensive reading

4. Writing: Developing sentence structures to build language awareness and understanding sentence variation, Extending basic sentence construction with vocabulary, Use of complex sentence constructions with connectives, fragments and run-ons, Paraphrasing, Summarizing, Writing strategies: free-writing, brainstorming, mind mapping/clustering, narrowing the focus etc., Paragraph writing

5. Maritime English: Purpose of IMO model courses, Structure of IMO model course for Maritime English, Use of IMO model course for Maritime English Lesson plans, Presentation, Implementation, Training and the STCW 1995 Convention Responsibilities of Administrations

6. Report Writing-Writing an Effective Report, Stages of Writing, Composing Business Messages, Style and Tone, Five Ws and one H of Report Writing-Planning and Types of Reports, Divisions, Numbering and use of Visual Aids-Creativity in Written Communication, Use of Pictures, Diagrams in Written Communication.

7. Business Communication-Writing Commercial Letters, Business Letter Format-Types of Letters - Routine Business Letters, Sales Letters, Resume and Job Applications, Business Memos, e-Mail Messages, Proposals, Technical Articles, Telegrams, Telex Messages, Facsimiles, Electronic Mail, Handling a Mail, Maintaining a Diary, Legal Aspects of Business Communication, and Negotiation Skills.

8. Routine Correspondence-Circulars, Drafting Notices, Handling Complaints, Evaluating Interview Performance, Articles, Formal Invitations - Proforma for Performance Appraisals, Letters of Appointment, Captions for Advertising, Company Notice related Shares, dividends, MoA, AoA, Annual Reports, Minutes of Meetings, Action taken on Previous Resolution.

9. Standard Maritime Communication Phrases

Recommended text(s):

1. Scot Ober, Contemporary Business Communication, Biztantra.

2. Capt. F. Weeks. Language Training for Non-native Speaking Mariners// Maritime Education and Training, The Nautical Institute, 1997.
3. Nageshwar Rao and Rajendra Das, Business skills.
4. Meenakshi Raman and Sangeeta Sharma, Technical Communication, Oxford.
5. Micheal Osborn and Suzanne Osborn, Public Speaking, Biztantra.
6. John Seely, Oxford Writing and Speaking, Oxford.

MARITIME HUMAN RESOURCE MANAGEMENT

Course Code	: MPSM 521
Credits	: 3.0
Contact Hours	: 42

Aim:

The course aims at developing a basic understanding in the students of the issues relating to procurement, development, appraisal, compensation, integration etc. of human resource for its optimum utilization and productivity in the organization in the context of dynamic maritime business environment.

Learning Outcomes:

Upon completion of the course, students should be able to:

- Understands the meaning of human resource management as well as maritime human resources, the concept of crew and manning a vessel, and the structure of the world maritime labour market.
- Understand and analyse the fundamental processes of managing human resources in general and more particularly in maritime environment.
- Compare and evaluate strategies for managing maritime human resources, both on board and ashore.

Syllabus Contents:

1. Strategic Role of Human Resource Management: History- nature- objectives

importance and scope of HRM- HRM and competitive advantage- Traditional HRM and Strategic Human Resource Management (SHRM)-Growth of SHRM in the new Millennium- Human Resource Development Practices in Bangladesh.

2. Planning for human resources in dynamic environment: Constituents of dynamic environment and their effect on HR practices i.e. technological changes- quality orientations- flexible manufacturing systems-economic challenges and workforce diversity- Job analysis- uses, process and methods of collecting data- Job description and Job Specification. Effective Human Resource Planning - objectives- importance- process and responsibility.

3. Acquisition and Maintenance of Human Resources: Recruitment- definitions- constraints and challenges- sources- methods- various types of affecting environments, Selection- purpose and process- Placements- Induction/ orientation- Internal mobility- Transfers and Separations- Performance Evaluation-format- techniques and problems. Compensation Administration - objectives-components- principles- regulation and factors governing. Incentives and Employee Benefits- Methods- Guidelines- Bases and Typologies.

4. Training and Development: Training- need- areas- applicability- methods and evaluation of training programmes-learning principle and philosophy of training. Executive Development concept-importance- methodology/ techniques and selection of suitable methods- evaluation of training and development- Career and succession planning- problems and issues in career planning and development- succession planning, career stages and career management in Indian scenario.

5. Maritime HRM: Introduction to human resource management (HRM) , Introduction to crew management and Maritime HRM , Describing the world maritime labour market , Maritime Human Resource Planning , Recruitment of ship's and shore-based personnel , Selection and placement of ship's and shore-based personnel , Training and development of ship's crew and shore-based personnel , Performance evaluation onboard and ashore, Compensation and rewards in the shipping industry, Outsourcing

of maritime HRM practices , The competitive advantage from maritime HRM system

Recommended Text(s):

1. Rao VSP (2009); Human Resource Management: Text and Cases; Excel Books; New Delhi.
2. Dressler (2009); Human Resource Management, 11th Ed. Pearson Education
3. Ivancevich (2009); Human Resource Management; Tata McGraw Hill, New Delhi.
4. Aswathappa K (2009); Human Resource Management: Text and Cases; Tata McGraw Hill.

SUPPLY CHAIN MANAGEMENT AND MARKETING

Course Code : MPSM 522

Credits : 3.0

Contact Hours : 42

Aim:

The aim of the course is to introduce the students with what is supply chain management and logistics and the principles belong to this area of study.

Learning Outcomes:

Student will know about logistics and supply chain management, the role of supply chain management in business as well as the role of port and shipping in the supply chain management.

Syllabus Contents:

1. Logistics Management: Origin and Definition – Types of Logistics – Logistics Management – Ware House Management – Automation and Outsourcing- Customer Service and Logistics Management – A Perspective - Concepts in Logistics and Physical Distribution - Distribution and Inventory

2. Types of Inventory Control - Demand Forecasting - Warehousing and Stores Management – Routing - Transportation Management - Some Commercial Aspects in Distribution Management – Codification - Distribution Channel Management - Distribution Resource Planning (DRP) - Logistics in 21st Century

3. Supply Chain Management: Introduction and Development- Nature and Concept - Importance of Supply Chain - Value Chain - Components of Supply Chain - The Need for Supply Chain - Understanding the Supply Chain Management - Participants in Supply Chain – Global Applications

4. Role of a Manager in Supply Chain - Supply Chain Performance Drivers - Key Enablers in Supply Chain Improvement - Inter-relation between Enablers and Levels of Supply Chain Improvement-Systems and Values of Supply Chain

5. Aligning the Supply Chain with Business Strategy - SCOR Model – Outsourcing and 3PLs – Fourth Party Logistics – Bull Whip Effect and Supply Chain – Supply Chain Relationships – Conflict Resolution Strategies - Certifications

6. Concepts of Logistics- Evolution – Nature and Importance – Components of Logistics Management- Competitive Advantages of Logistics- functions of Logistics management- principles-Logistics Network- Integrated Logistics system. Supply chain management- Nature and Concepts- Value chain- Functions – Supply chain effectiveness- Outsourcing - 3PLs and 4PLs – Supply chain relationships- Customer services.

7. Elements of Logistics and Supply chain management – Inventory carrying – Warehousing –Material handling – Order Processing - Transportation - Demand Forecasting - Impact of Forecasts on Logistics and Supply chain management – Performance measurements.

8. Transportation- Position of Transportation in Logistics and Supply chain management- Road, Rail, Ocean, Air, Transport Multi model transport-Containerization

– CFS- ICDS –Selection of transportation mode – Transportation Network and Decision- Insurance Aspects of logistics.

9. Logistical Information system (LIS) - Operations – Integrated IT solution for Logistics and Supply chain management – Emerging technologies in Logistics and

Supply Chain management. Components of a logistic system – transportation – inventory carrying – warehousing – order processing – Ocean transport – ships – types - measurement of capacity of ships – shipping information.

10. Plant location: Facility location and layout planning - Types of layouts - Material handling equipments - Productivity: Factors Affecting Productivity - Job Design – Process Flow charts – Material Management - Costs associated with inventory - Economic Order Quantity - ABC Analysis - Just in-time Production - Total Quality Management.

Recommended Text(s):

1. KrishnaveniMuthiah, Logistics Management and Seaborne Trade’ Himalaya Publishing House.
2. D.K.Agarwal. Textbook of Logistics and Supply Chain Management, Mc Millan India Ltd.
3. Martin Christoper, Logistics and Supply Chain Management, Pearson Education, 2003.
4. Ronald H. Ballou, Business Logistics and Supply Chain Management, Pearson Education.
5. G Raghuram& N Rangaraj, Logistics and Supply Chain Management - Cases and Concepts. Mac Millan.
6. Martin Christopher, Logistics & Supply Chain Management: Creating Value-Adding Networks, FT Press.

FLEET AND CARGO OPERATION MANAGEMENT

Course Code : MPSM 523

Credits : 3.0

Contact Hours : 42

Aim:

The aim of the course is to let the students know with the principle of fleet and cargo operation management. Understanding different aspects of registration of ships, its operation, and maintenance as well as managing the crews and others. The budgeting technique for ship operation and management

Learning Outcomes:

Students will be able to identify/discuss/describe/explain/analyze:

- Fleet management preliminaries
- Ship registry & the regulatory bodies
- Technical management
- Crew management
- Budgeting technique

Syllabus Contents:

Fleet Management:

1. General knowledge of Fleet Management in all its aspects; the role of a ship manager towards the owner and his place in the organization
2. Analyze the market to make judgments on the outsourcing criteria. “Flag of Convenience”
3. Recognize the various parties important for shipping and Fleet Management; the rules applicable for Fleet Management,
4. Recognize the repair and maintenance regime. plan and manage work which arises from planned and unplanned repair and maintenance. organize emergency work.
5. Importance of manning for the total management of a ship. fulfilling future requirements taking into account demand and supply, social, cultural and ethic aspects.
6. Management system, improvement of safety and operation of ships via self-regulation and developing a safety culture. the possible risks of running ships.
7. Make a long term budget for ship operations and to manage the cost incurred, relevance of each cost category towards the total cost.

8. Judge and analyze the performance of a ship in port and under operation; performance improvement or cost reductions.

Cargo Operation Management:

1. Forces acting on cargo during transport; consequences and responsibilities of cargo problems; Cargo handling, stowage, securing and ship stability;
2. Basic principles for correct cargo stowage, packing, securing and lashing;
3. Type and care of shipboard handling and securing equipment; Terminal arrangements, layout of quays and transit sheds;
4. Handling of solid bulk and liquid bulk cargo; loading and unloading equipment for bulk and liquid cargoes;
5. Handling of break bulk cargo; equipment for handling pallets and containers; choice of Cargo Transport Units (CTU) type;
6. Methods of packing and securing of cargoes; Packing, handling, stowage, segregation and securing of dangerous goods; Regulations for the transport of dangerous goods;
7. Marking, labeling and placarding; Handling and storage of packaged dangerous goods in port areas;
8. Safe packing and securing of cargo in freight containers and vehicles;
9. Vehicles on Ro-Ro vessels; Lashing and securing of deck cargoes; Survey, inspection and certification of cargo equipment.

Recommended text(s):

1. Ship Management, Drewry Shipping Consultants, September, 2006
2. Professional Ship Management Photis M. Panayides 2001
3. Analytical fleet maintenance management. John E.Dolce.
4. Debrett D.R. (1999), Ship Stability, London: Heinemann
5. IMO, Code of Safe Practice for Solid Bulk Cargoes, London: International Maritime Organization
6. IMO, International Maritime Dangerous Goods Code, London: International Maritime Organization

INTERNATIONAL LAW AND MARITIME CONVENTIONS

Course Code : MPSM 524
Credits : 3.0
Contact Hours : 42

Aim:

The course is designed with a view to enabling the students to develop their knowledge and understanding of legislative drafting and law making procedure in Bangladesh in general and in particular transforming international maritime legislations into municipal law of Bangladesh to have a better implementation of international standard. It also aims to familiar the students with different modes of interpretation of maritime legislations and understanding the jurisdiction of the Admiralty court and its procedures under the legal framework of Bangladesh. The aim of this course is also to orient students with different international conventions on the Maritime Affairs. The maritime commercial laws and the basics of marine insurance and claims so that they can apply this knowledge in day to day shipping operation

Learning Outcomes:

By the end of this course students should be able to:

- understand law making procedure of Bangladesh;
- acquire basic legislative drafting skills;
- learn the procedure of incorporating international maritime legislations into municipal law of Bangladesh
- Understand admiralty jurisdiction and procedure of admiralty matters in Bangladesh.
- The different areas of maritime commercial laws
- The contingent nature of marine insurance and its subject matter to determine insurable interest under insurance contract.
- The calculation of total loss apart from the freight loss and partial loss.
- Understand the limitations and insurer's liability in marine insurance.

Syllabus Contents:

1. Third United Nations Conference on the Law of the Sea (UNCLOS III): baselines internal waters and territorial sea, straits used for international navigation, archipelagic states, contiguous zone, continental shelf, exclusive economic zone, fisheries , land-locked and geographically disadvantaged states
2. The High Seas: Legal Status of the High Seas, High Seas Freedoms, nationality of Ships, Status of Ships on the High Seas International seabed area,
3. Settlement of disputes, The International Tribunal for the Law of the Sea (ITLOS), The International Court of Justice (ICJ), Arbitration and Other Forms of Alternative Dispute Resolutions (ADR)
4. Nationality, registration and ownership of ships: Nationality of Ships. Ship Registration, Registration and Ownership of Ships The Concept of ‘Genuine Link’, Types of Ship Registries.
5. International Convention for the Safety of Life at Sea, 1974 (SOLAS) and the 1978 and 1988 Protocols thereto as amended, International Safety Management Code (ISM Code) International Convention for the Prevention of Pollution from Ships, 1973; the 1978 and 1997 Protocols thereto (MARPOL), as amended, International Convention on the Prevention of Marine Pollution by Dumping of Wastes and Other Matter, 1972 and the 1996 Protocol thereto.
6. The law of contract and other relevant legal principles, carriage of goods by sea and the relevant conventions including INCOTERMS and the recent developments.
7. Historical Development of Maritime Liens and Privileges, Sources of Maritime Liens and Privileges, Nature and Characteristics of Maritime Liens and Privileges
8. Introduction – Evolution – Principles– Risks - Hazards -Insurable risks - Insurable interest - utmost good faith - indemnity - need, nature and scope of cargo insurance policy - marine cargo insurance - marine insurance contract .

9. Types of insurance cover– Insurance Products - Transport insurance – Legal liability Insurance – Third party legal liability insurance – Property insurance - hull and machinery insurance.

10. Kinds of losses - perils and causaproxima - Actual Total Loss (ATL)-Constructive Total Loss (CTL) - Collisions and Salvage - Average Clause - general average - coverage and institute clauses - transit clauses - Disbursements - premiums - liability - mutual protection & indemnity clubs (P&I clubs

11. Claims Handling-Insurance Claims – Risks – Reinsurance – Demurrage – Claim procedures and Documentation – Right of Subrogation

Recommended text(s):

1. The Law of the Sea by R RChurcill,
2. The International Law of the Sea by R Rothwell
3. Shipping and Environment Law (2nd Edition) by Charles
4. Marine insurance by Solomon Stephen Huebner (Nabu Press)
5. Marine Insurance: Its Principles And Practice by Templeman (Qureshi Press)
6. The Modern Law of Marine Insurance by D. Rhidian Thomas (Lloyd's List)
7. Simon Baughen “ Shipping Law” – Cavendish Publishing
8. Fransis Rose “ Marine Insurance” InformaUk Ltd
9. Arnould's Law of Marine Insurance and Average 17th ed. Publisher: Sweet & Maxwell Ltd by Jonathan Gilman, Robert Merkin, Claire Blanchard, Julian Cooke, Phillipa Hopkins, Mark Templeman

MARITIME SAFETY AND SECURITY

Course Code : MPSM 525
Credits : 3.0
Contact Hours : 42

Aim:

The course highlights on related international legislations on various aspects of safety and security in sea. Moreover, the course covers the legal arena for liability in marine collision; salvages and wrecks; towage; pilotage; piracy, hijacking and armed robbery at sea.

Learning Outcomes:

On completion of this course, students are expected to be able to: Use the basic provisions of International conventions to establish national, regional and global individual and collective responsibility for maritime safety and security. Moreover, students would be able to act as attorney on behalf of client filing suit for the violation of the safety measures by the concerned authority and claiming compensation for suffering.

Syllabus Contents:

1. ISM Code. Key issues, Legal status of code. Practical aspects of the code. Company verification, review and evaluation. Case studies. Regulatory framework for maritime security: International ship and port facility security (ISPS) code.
2. Definitions of key terms and concepts (e.g. safety, risk, hazard etc)., Influencing factors on administrative decisions regarding risk and safety (social amplification of risk etc.) *Risk assessment*: Introduction of qualitative (failure mode and effect analysis, hazard and operability studies etc.) and quantitative (fault trees, event trees etc) methods of risk assessment.
3. Risk management: Introduction of risk control options (RCOs) with effects on likelihoods of unwanted events to occur and severity of consequences, Discussion of risk acceptance criteria, the as low as reasonably practicable (ALARP) principle. Formal Safety Assessment (FSA) as a tool in the IMO decision making process.
4. The need to investigate maritime casualties (Legal background): Overview about relevant regulations in different international and maritime legal instruments regarding casualty investigations, Reporting requirements to IMO about maritime casualties, Selected national approaches related to maritime casualty investigations

5. Accident investigation process: Initiation of maritime casualty investigations, Appointment of investigators, collecting of evidence, developing time lines, conducting interviews with witnesses

6. The General System Concept: Understanding the SAR system; legal basis of services, the global concept, national and regional systems, system component

Recommended Text(s)

1. Maritime Safety, Security and Piracy by Wayne Kenneth Talley
2. Maritime Safety: The Human Factors by Sean M Trafford

RESEARCH METHODOLOGY

Course Code : MPSM 526

Credits : 3.0

Contact Hours : 42

Aim:

The primary aim of this course is to introduce students to the majority of the quantitative as well as qualitative research methods used most frequently by management scholars, particularly within the domains of innovation and entrepreneurship studies.

Learning Outcomes:

The students might know how to design, implement and complete the research activities. It would include writing a proposal and academic writing.

Syllabus Contents:

1. Introduction to Research - Research in Business – Research Process-Research Need, formulating the problem, designing, sampling, pilot testing - Thinking Like a Researcher and Proposals - Ethics in Business Research.
2. Research Design- Exploratory, Descriptive, Casual, Formulation of hypothesis -

types. Measurement- characteristics of sound measurement tool, Scaling methods and sampling techniques- Nature, simple probability and complex probability – Non-probability samples.

3. Sources and Collection of Data- : Primary and secondary sources, survey observation, experimentation- details and evaluation. - Questionnaires – schedules and Instruments – Coding, data entry, tabulation & cross tabulation-and Graphic presentation – Examining Data.

4. Analysis and Preparation: Hypothesis testing – statistical significance, statistical testing procedure. Tests of significance- Types and selection of tests- Multivariate Analysis Techniques -Simple Correlation -Regression Analysis -Multivariate Techniques – Variable in Multivariate Analysis -Important Methods of Factor Analysis

5. Presenting results and writing the report: - Written and Oral Reports, The written research report, preparatory items, introduction, methodology, findings and conclusions-writing the draft to presentation – Oral presentation – preparation, delivery and audio-visuals.

Recommended text(s):

1. William C Emory, Business Research Methods, Richard D Irwin.
2. Donald R Cooper, Business Research Methods 7th Ed, McGraw Hill, 2001.
3. Krishnaswami, Ranganatham, Methodology of Research for Social Science, Himalaya, Mumbai, 2001.
4. Anderson J. et.al, Thesis and Assignment writing, Wiley Eastern.
5. Research Methodology by C.R. Kothari

SHIP BROKING AND CHARTERING

Course Code : MPSM 531
Credits : 3.0
Contact Hours : 42

Aim:

The overall aim of the course is to educate the students with the principles of ship broking, chartering, sale and purchase management. Student will be able to understand the different market structure as well as the latest practices of ship broking and chartering and ship sale and purchase including different economical and legal aspects of the field.

Learning Outcomes:

Students will be able to identify/discuss/describe/explain/analyze:

- Principles of chartering
- Freight and hire calculation
- Standard Contracts
- Chartering practices
- Sale and purchase

Syllabus Contents:

1. Principles of Chartering-Introduction to Chartering –Chartering Terminology – Role of Broker –Types and Functions -forms and activities –charter parties
2. Types of Charter -voyage Ships –Vessel Descriptions -Vessel requirements - tramp chartering services -Passenger Ship Chartering –Cargoes -Freight Markets -Liner Operations –Tanker Charter –tanker trades -International Tanker Chartering Market
3. Purchase and Registration of Vessels -Exemptions and immunities -trading limits -dry-docking -protective clauses -stevedore damage
4. Freight and hire calculations –Voyage Estimation –Checks –Cargo Capacity – Time estimation in Port–Laytime Calculations -Vessel Negotiations –Statement of Facts –Time Count -Demurrage and Despatches -Classification Societies –Spares and Black lists –Delivery Methods –Auctions

5. Contracts -Individual rights, responsibilities and liabilities -Clauses in time charters Bill of lading-Chartering Market Practise -Ethical requirements -lien clause – Disputes -General Arbitrations.

6. Shipping markets, market development and influences on the market.Shipbuilding and sale& purchase markets and their interrelationship with freight markets

7. Cost/revenue and finance factors in chartering and ship acquisition. Information modes and channels. Freight and voyage calculations, case studies Build-up of proforma, agreements on terms, fixtures and charter parties.

8. Chartering routines and practices, standard terms, phrases and abbreviations used. Case studies on chartering negotiations. The concept of lay days, lay time, demurrage and dispatch.

9. Notice of readiness, “arrived ship” and time counting, Case studies on laytime, dispatch and demurrage. The reasons for buying and selling existing vessels. The advantages and disadvantages of second-hand vessels.

10. Standard contracts for sale and purchase of vessels: Norwegian Saleform 1993 and 1987 and Nippon-sale 1999. Deposit and payment procedures, inspections, dry docking and delivery procedures

Recommended text(s):

1. Ship Sale and Purchase By Iain Goldrein, Matt Hannaford,
2. The Law of Shipbuilding Contracts, By Simon Curtis
3. The economics of tramp shipping / (by) B.N. Metaxas. (Athlone Press)
4. Shipbroking and Chartering Practice: Seventh Edition (Business of Shipping) by Lars Gorton (Lloyd's List)
5. Shipbroking and Chartering Practice, 6th Edition Gorton, Ihre, Sandervarn and Hillenius
6. Tanker Chartering (Shipping Business Series) by Philip Wood (Witherby & Co Ltd)
7. Ocean Freights and Chartering by Cyril Frederick Hardy Cufley (Adlard Coles Nautical)

8. Tanker Chartering 2010-2011 by Institute of Chartered Shipbrokers (Witherby seamanship International Ltd)

STRATEGIC MARITIME MANAGEMENT

Course Code : MPSM 532

Credits : 3.0

Contact Hours : 42

Aim:

The aim of the course is to let the students know how to identify and choose a superior competitive position, how to analyze a strategic situation, and finally how to create the organizational context to make the chosen strategy work.

Learning Outcomes:

Student might know how to formulate, implement and evaluate a strategy. What are the current strategies in the maritime field is under implementation now and the implication of strategic management theories on it.

Syllabus Contents:

1. What is a “Strategy”? What is Strategic Management? Why you need Strategic Management? Importance & Significance of Strategic Management in Maritime. Strategic Management usefulness as a precise & handy tool for any corporate Management to decide next course of action in near future & long term considering global competitiveness in Maritime Business.
2. How to judge the success or failure of any “Strategy” at a SEA-PORT? Study & Understand each of the following Methods to derive Strategy, SWOT Analysis, TOWS Analysis, BCG Matrix, Porter’s FIVE FORCE Analysis
3. How “Strategic Management Approach” can offer better solutions for long term in

Maritime Business looking to complexity & security issues involved. To understand how a dynamic Strategy Analysis can lead to Improvisation & Competitive Advantage to any Port / Logistic Company / Maritime Business.

4. Formulation of Strategy, Selection of Strategy, Levels of Strategy : a. Corporate Strategy, b. Business Strategy, c. Functional Strategy
5. Analysis of Strategy & Effectiveness Measurement of Strategy Industry Attractiveness & Strategic Opportunity, Resources, Capabilities, Core Competence & Strategic Holistic Approach
6. Corporate maritime strategies: Cases and Analysis

Recommended Text(s):

1. Essentials of Strategic Management Hunger, J. David, Wheelen, Thomas L.
2. Strategic Management by Trehan, Wiley India
3. Strategic Management Creating Value in a Turbulent World by Fitzroy, Wiley India.
4. Integrated Coastal and Ocean Management: Concepts And Practices (Constraints Management) by BilianaCicin-Sain and Robert W. Knecht.
5. Blue Ocean Strategy by W. Chan Kim and Renée Mauborgne

PORT OPERATION AND PLANNING

Course Code : MPSM 533
Credits : 3.0
Contact Hours : 42

Aim:

The overall aim of the course is to understand the port's operational and planning process through supply chain aspects as well as logistics management in port

Learning Outcomes:

After the completion of the course, students will be able to analyze/ express/ differentiate/ investigate:

- a. Port development and planning
- b. Port investment, financing and pricing
- c. Port productivity, marketing and competition
- d. Logistics management and related aspects of ports

Syllabus Contents:

1. Introduction of Port. What is a port, the port system, Approaches to port operations and management

2. Port development and organization. History of port development. Port roles and function. Port users and stakeholders. Port administration and organizational structure. Traditional vs. emerging port management model. Recent trend in port development

3. Port planning. Infrastructure and capacity. Evaluation and management of port projects. Long term (master) port planning. Modelling port demand and supply. Port traffic forecasting. Strategic port planning. Operational port planning: Terminal planning module

4. Port investment and financing. Port costs and costing systems. Economic evaluation vs. financial appraisal of port projects. Financing mechanism of port projects. Contractual and legal arrangements. Private sector participation and emergence of global port operator. Public-private partnership (PPP) models in ports issues with public financing of port infrastructure

5. Port pricing. Port charges vs. port dues. Tariff structures and surcharges. Marginal cost pricing. Strategic port pricing. Through transport pricing. Other pricing models. Regulatory mechanism for port pricing

6. Port operations. Port operations and services. Nautical versus cargo handling services. Value added and logistics port services. Queuing system and congestion in port. Port layout and configuration. Port equipment and maintenance. Terminal and site operation. Terminal procedures. Functional modelling of port operations. Port automation

7. Port Performance and Productivity. Multi-disciplinary approaches to port performance, Economic impact and port performance, Trade logistics and port productivity, Index methods for measuring port efficiency, Frontier methods for port benchmarking, Optimization tools in port operations,

8. ICT and Port Management. Information management systems in port, Port community system, Terminal operation system, Port technology, ITS in ports

9. Port Marketing and Competition. Analysis of Port Markets, Port Marketing tools, Techniques of port promotion, Market intelligence and research in ports, Economic analysis of port competition, Forms of port competition, Port selection and choice modelling, Port co-operation, Competition policy and regulation

10. Port Logistics. The network structure of port operations, Freight logistics systems and ports, Intermodality and landside port logistics, Port centric logistics, Value added logistics services in ports, Port and trade logistics, and Integrating port in global supply chains.

11. Port Safety. Safety regulations and procedure, Formal safety assessments in ports, HAZAMT and the handling of dangerous goods, Accident reporting and investigation, Occupational safety and health

12. Port Security, Regulatory framework for port security, Security risk assessment and management, Economic and operational impact of security, Supply chain security and ports, Quality system of port security

13. Environmental Management and ports. Coastal zone management and the port city

interface, Environmental port regulation, EIA in ports, Port operations and the climate change agenda, Contingency plans and environmental response

14. Port labour and HRM. History and development of port labour. Labour reform and social issues, Labour performance and Terminal operations, Port training and education, Port careers and HRD

15. Port Policy. Components and instruments of port policy, regulating port services. Subsidizing port services, Port governance and reform, Deregulation and institutional restructuring.

Recommended text(s):

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)

MULTIMODAL TRANSPORTATION AND LOGISTICS

Course Code : MPSM 534

Credits : 3.0

Contact Hours : 42

Aim:

The overall aim of the course is to educate the students to understand the role of multimodal

transportation system. The economics of short sea shipping and different managerial, operational, institutional and infrastructure of multimodal transportation system.

Learning Outcomes:

Students will be able to identify/discuss/describe/explain/analyze:

- Multimodal transportation network
- Multimodal transportation Characteristics
- Division of Waterways and Navigation technologies

Syllabus Contents:

1. Multimodal Transport Network: Historical Development of Multimodal Transport Network, Present Role of Multimodal Transport in Asia and Europe, The Importance of Multimodal Transport

2. International Distribution: Importance of distribution in international trade, Basic distribution structures which meet international and national needs, the supply-chain concept and how the different transport modes may be combined, Understand the importance of modal interfaces and the basic function of ports, airports, inland depots, railheads etc.

3. Physical Operation: Characteristics of the main types of primary vehicles and equipment used: ships, trucks, trains and aircraft, special equipment and facilities used to enhance through transport including swap bodies, double stacks, trailer types, container types, structural needs and layout of modal interfaces and terminals: depots, warehouses and cargo-handling equipment

4. Trade Routes: Importance of main trade routes including the main container shipping routes, railway routes and land bridges, Relationship between commodities, value and transit time and transport mode, the economic, Political and environmental factors arising in respect of road/rail/barge competition and the role of short sea shipping, The role of airfreight and its advantages and limitations, the role of road haulage and the difference between international, domestic trunk and local delivery.

5. Transport Pricing: The nature of price competition between transport modes, namely sea versus road/rail versus air, Understand price measurements: tonne-kilometre, and cost-transit time benefit, the relationship between price and demand, The importance of revenue and cash flow, different pricing strategies, contribution or volume (market share) led, the calculation of through transport pricing, the component price/cost components and the concept of price transparency

Recommended text(s):

1. UNECE Resolutions
2. CCNR Regulations
3. Inland Shipping Ordinance, 1976 (Ordinance No. LXXII of 1976)
4. European Policy for the Promotion of Inland Waterway Transport – A Case Study of the Danube River : By Svetlana Dj. Mihic and AleksandarAndrejevic

ENVIRONMENTAL ISSUES IN PORT AND SHIPPING

Course Code : MPSM 535
Credits : 3.0
Contact Hours : 42

Aim:

The course is designed with a view to identify contemporary issues in port & shipping in the field of environment. How the sector is performing in terms of environmental protection and management. To analyze environmental protection standards and requirements, and to present how ports and shipping operators are implementing them. To examine cases of the best practices in the monitoring and control of ports activities and air pollution from ships. To provided economic explanations for maritime environmental regulations and to discuss the market instruments for the control of ship-originated pollution. To examine energy management onboard vessels and noise aspects in ports.

Learning Outcomes:

By the end of this course students should be able to:

- understand contemporary environmental issues in port & shipping;
- environmental protection and management, standard and requirements, and implementation;
- best practices in monitoring and control of port activities and air pollution;
- economics of marine environmental regulations;
- on-board energy management;
- noise and energy management in port.

Syllabus Contents:

3. Environmental issue in general and port reception facilities including the operational aspects, facilities, equipment's.
4. Waste management, the administrative and operational aspects, types of waste, collection, treatment, transportation.
5. The investment and operational aspects of port reception facilities.
6. Related conventions including MARPOL.
7. Implementation of environmental standard the economic perspective.
8. Energy management aspects both in ship operation and port operations.

Recommended text(s):

1. Maritime Environmental Impacts (Book)

MARINE INSURANCE AND CLAIM

Course Code : MPSM 536

Credits : 3.0

Contact Hours : 42

Aim:

This course familiarizes the students with principles and coverage's under marine cargo and hull policies. It explains the considerations of rating and underwriting along with claims procedures to be followed. It also helps to develop an understanding of general average and its adjustments from insurance perspectives and informs about the procedural aspects of recoveries from various third parties and measures for prevention of maritime fraud.

Learning Outcome:

Students will be able to identify/discuss/describe/explain/analyse:

- Marine insurance and its classifications
- Marine accidents and cases
- Marine claims

Syllabus Contents:

- 1. Basic Concepts of Marine Insurance:** Evolution and need for Marine Insurance, Nature of Marine Insurance, Types of Marine Insurance, Marine Insurance Market, Marine Insurance Act, Marine Insurance Policy, Premium, P&I Club, IG & Non-IG P&I Insurers, Arrest and P&I Letter of Guarantee.
- 2. Fundamental Principles of Marine Insurance:** Fundamental Principles of Marine Insurance Contract, Insurable Interest, Assignment, Disclosure and representations, warranty, Voyage, Subrogation, Loss and Abandonment, Contribution, proximate cause.
- 3. Cargo Insurance:** Proposal Form, factors for acceptance, type of vessel, the Voyage or Transit, Type of Cargo, Packing forms, Containerization, Conditions of Insurance, IncoTerms, Declaration Forms, Marine Cover Note, Policy Form, endorsements, Container Transport.
- 4. Hull & Machinery Insurance:** Hull proposal form – details of the vessel – trade details – documents – Valuation of ship – Classification of vessels – Rating factors – Hull initial rating – Renewal rating – Risks with adverse underwriting features – Warranties – Insurance of Fishing

vessels – conditions of Insurance – insurance of sailing vessels – Insurance of Inland Vessels – Damage Cargo – Salvage Loss – Insurance of dredgers.

5. Protection & Indemnity (P&I) Insurance: Third party liabilities including death and personal injury claims and pollution damage. Protection in respect of the ship owner's liabilities arising out of the ownership of the ship, Indemnity liabilities incurred in respect of risks related directly to the operation of the ship.

6. Reinsurance: Reinsurance of Marine cargo and hull risks –Methods of Reinsurance–Proportional – Facultative – Quota share Treaty – Surplus Treaty – Non proportional – Excess of loss – Stop loss – Pooling arrangements – Alternative risk transfer – Common Reinsurance Programme –

7. Marine Claims: Actual Total Loss – Constructive Total loss – Particular Average – Damage Cargo – Salvage Loss – General Average Loss – Sue and labour charge – Particular Charges – Salvage charges –Forwarding Charges – Extra Charges – Cargo Claims – Procedures – Intimation of Claim – Insurance Surveys – Claims Payable Abroad – Recoveries from third parties – Hull Insurance Claims –Total Loss – Partial loss – Particular Average – General Average – Salvage charges – Sue and labour Charges – Collision Liability –Claims of Ocean going vessels –fishing vessels –sailing vessels –inland vessels – General Average –Application of insurance to G.A Contribution and G.A Sacrifice- Adjustment of General Average – Salvage liability.

8. Marine Recoveries: Marine recoveries from third parties –Carriage of Goods by Sea Act –Shipowner's responsibility, liabilities/rights and immunities – Notice of loss or damage – Time limit for legal action – Carriage of goods by Rail – Rights /Liabilities of Railway Authorities Notice of Claim for Compensation – Carriage of goods by Road Act – Carriage by goods by Air – Multimodal transportation/responsibilities/liabilities/limits – Liabilities of Port Authorities – major and other ports – Postal Authority – Customs –Salvage Disposal.

9. Loss Prevention: Cargo Loss control and prevention – Theft, Pilferage and Non – Delivery – Handling and Stowage damage – Water damage – Multi Modal containerization –its inspection and packing and stowing of cargo.

10. Maritime Frauds: Maritime frauds – Scuttling frauds –Documentary frauds – Cargo thefts – Charter Party Fraud – Piracy – Maritime fraud – Scuttling Frauds – Documentary Frauds prevention in cargo and hull insurance.

STUDY TOUR/ FIELD TRIP

Course Code : DEV 501, DEV 503, DEV 505

Credits : 2.0

Aim:

To orient students with the practical function of different maritime organizations.

Outcome:

After the completion of the trip/visit, the students will be able to:

- Explain the practical functions of maritime organisation
- Analyse the duties and responsibilities of different maritime professionals

Method of Conduct:

Every semester, there will be one study tour/ field trip. The study tour/ field trip will normally be conducted within the country. However, study tour/ field trip third semester may be conducted in overseas countries subject to availability of sponsorship. All of the visit will be conducted in maritime organizations. Like ports, dockyards, different shipping companies, ICDs, Terminals, Bangladesh Navy, Maritime institutes, Freight forwarder agencies etc.

STUDENT CONCLUDING SEMINAR

Course Code : DEV 502, DEV 504, DEV 506

Credits : 3.0

Aim:

To train the students to conduct the seminar.

Outcome:

After the completion of student concluding seminar, the students will be able to:

- Organize any seminar
- Deliver speech in a big platform.

Method of Operation:

In each semester there will be one Student Concluding Seminar. Student will organise the whole seminar on their own.