

**Annexure- IV**  
**BBA (Shipping and Logistics)**

**CORE BUSINESS COURSES**

<b>Course codes</b>	<b>Course Name</b>	<b>Credit</b>
BSCB002	Geography of Sea Transport	Credits 3
BSCB005	Management of Dangerous & Hazardous Cargo	Credits 2
BSCB009	Logistics Management 2	Credits 2

**OPTIONAL BUSINESS COURSES**

<b>Course codes</b>	<b>Course Name</b>	<b>Credit</b>
BSOS001	Warehouse Management	Credits – 2
BSOS002	Inventory Management	Credits – 2
BSO 003	Packaging Management	Credits – 2
BSO 005	E Logistics	Credits – 2
BSOS008	Port Management	Credits – 2
BSO 010	Marine Insurance	Credits – 2
BSO 012	Customs Procedures and Practices	Credits – 2
BSO 014	Shipping Finance Management	Credits – 2
BSO 014	Global Logistics Management	Credits – 2

**CORE BUSINESS COURSES**

**BSCB002**

**Geography of Sea Transport**

**Credits 3**

Objective	At the end of the course, students will be able to comprehend the nuances of the sea transport network in the world and analyse the impact of geographical features on shipping activities.
Content	<ul style="list-style-type: none"><li>• <b>World Geography (7 Hrs.)</b> World continents, Countries, Seas, Oceans, Location of ports, Canals, Water ways and their main trade.</li><li>• <b>Influence of Geographical Features (10 Hrs.)</b> Physical geographical features, Climate, Wind, Tides and currents, Seasons of bad weather and their influence on shipping.</li><li>• <b>Transport Network (10 Hrs.)</b> Modes of transport and their advantages and disadvantages, Sea transport-importance, Factors affecting, Major oceans routes and their influence on shipping.</li><li>• <b>Practical Geography (9 Hrs.)</b> Time zones, International date line, Concept of day light saving time, Load line zones and their influence on shipping.</li><li>• <b>World Trade (9 Hrs.)</b> Factors affecting, Patterns of trade and the trade blocks like European Union, European Free Trade Association, North American Free Trade Agreement, Oil Producing and Exporting Countries, Association of South East Asian Nations, South Asian Association of Regional Countries, World Trade Organization.</li></ul>
Pedagogy	Lectures/tutorials/field work/outreach activities/ project work/ vocational training/ viva /seminars / term papers/ assignments / presentations / self-study/case studies etc. or a combination of some of these. Sessions shall be interactive in nature to enable peer group learning.
Suggested Reading	<ol style="list-style-type: none"><li>1. Shinde, P; "Geography of Resources"; Sheth Publications; 2008 edition or later.</li><li>2. Gupte, A.D. &amp; Kapoor, A.N.; "Principles of Physical Geography: A Text book of Physiography"; S.Chand; 12<sup>th</sup> edition 2009 or later.</li><li>3. Dr.Tikka, R.N.; "Physical Geography"; SJ Publications, Meerut, 2006 edition or later.</li></ol>

	<p>4. Negi, B.S.; "Geography of Resources"; KedarNath Ram Nath, Meerut; 2010 edition or later.</p> <p>5. Lake, P; "Physical Geography"; Cambridge, University Press; 2014 edition or later.</p> <p>6. Heintzelmen&amp;Highsmith, R.M.; "World Regional Geography";Prentice-Hall; 2011 edition or later.</p> <p>7. Couper, A.; "The Geography of Sea Transport"; Routledge; 2017 edition or later.</p> <p>8. Rodrigue, J.P.; Comtois, C.; Slack, B.; "The Geography of Transport Systems"; Routledge; 2013 edition or later.</p>
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BSCB005

Management of Dangerous & Hazardous Cargo

Credits 2

Objective	At the end of the course, students will be able to comprehend the classification, transportation and management of dangerous and hazardous cargo.
Content	<ul style="list-style-type: none"> <li> <p>• <b>Dangerous Goods</b> <span style="float: right;"><b>(5 Hrs.)</b></span></p> <p>The classification of dangerous goods, Dangerous goods safety advisers' qualifications and training.</p> </li> <li> <p>• <b>International Maritime Dangerous Goods (IMDG) Code</b> <span style="float: right;"><b>(5 Hrs.)</b></span></p> <p>Usage of the IMDG code in containerization &amp; MTO trade.</p> </li> <li> <p>• <b>Transportation of Dangerous Goods</b> <span style="float: right;"><b>(8 Hrs.)</b></span></p> <p>Regulations for transporting dangerous goods by air, sea, road and rail transport, Documentation when moving dangerous goods, Marking and labeling of dangerous goods, Suppliers' responsibilities.</p> </li> <li> <p>• <b>Packaging of Dangerous Goods for Transport</b> <span style="float: right;"><b>(4 Hrs.)</b></span></p> <p>Material classification, Packing groups, Packaging regulations.</p> </li> <li> <p>• <b>Enforcement of Dangerous Goods Regulations</b> <span style="float: right;"><b>(4 Hrs.)</b></span></p> <p>Compliance and training.</p> </li> <li> <p>• <b>Radiation Screening at Ports and Airports</b> <span style="float: right;"><b>(4 Hrs.)</b></span></p> <p>Radiation equipment, Sources of radiation.</p> </li> </ul>

Pedagogy	Lectures/tutorials/ laboratory work /field work/outreach activities/ project work/ vocational training/ viva /seminars / term papers/ assignments / presentations / self-study/case studies etc. or a combination of some of these. Sessions shall be interactive in nature to enable peer group learning.
Suggested Reading	<ol style="list-style-type: none"> <li>1. Alan E. Branch – “Elements of Shipping” –Routledge - Taylor &amp; Francis Group; 9<sup>th</sup> edition, 2015 or later.</li> <li>2. Edward, S; Butterfield, CSJ; “Shipping Practice”- Sterling Book House, Mumbai, 11<sup>th</sup> edition, 1999 or later.</li> <li>3. Alderton P.M.; “Reeds Sea Transport”; Adland Coles Nautical, London; 6<sup>th</sup> edition, 2011 or later.</li> <li>4. Code of Safe Practice for Cargo Storage and Securing – IMO, 2011 Edition or later.</li> <li>5. Code of Safety for Nuclear Merchant Ships – IMO, 2011 Edition or later.</li> <li>6. IATA. “Dangerous Goods Regulations”.United Nations.Latest Edition</li> <li>7. AllegrIT. “Handling and Management of Hazardous Materials and Waste”.Springer. Latest Edition</li> </ol>

BSCB009

Logistics Management 2

Credits 2

Objective	At the end of the course the students will understand the concepts and functions of logistics management.
Content	<ul style="list-style-type: none"> <li>• <b>Stores Organisation</b> (7 Hrs.) Types of stores, Stores location, Building and layout, Storage facility, Stockyard, Safety and security.</li> <li>• <b>Material Identification</b> (7 Hrs.) Material identification system, Need of coding, Item codification, Classification, Monitoring the codification system.</li> <li>• <b>Material Handling</b> (5 Hrs.) Material handling systems, Guidelines and principles of material handling.</li> <li>• <b>Information Systems</b> (5 Hrs.) Use of logistics information systems (LIS) and IT-technology for logistics, Planning and co-ordination of logistics information systems.</li> <li>• <b>Customer Service</b> (6 Hrs.) Measure of effectiveness of logistics system, Handling returns, Customer perception of service quality.</li> </ul>
Pedagogy	Lectures/tutorials/field work/outreach activities/ project work/ vocational training/ viva /seminars / term papers/ assignments / presentations / self-study/case studies etc. or a combination of some of these. Sessions shall be interactive in nature to enable peer group learning.
Suggested	1. Bhattacharya, S.K.; “Logistics Management – Definitions, Dimensions, and

Reading	<p>Functional Applications”; S.Chand; 2<sup>nd</sup> edition 2013 or later.</p> <p>2. Shah, J; “Supply Chain Management; Text &amp; Cases”; Pearson Education; 2016 edition or later.</p> <p>3. Farahani, R.Z.; Rezapour, S.; Karday, L.; “Logistics Operations &amp; Management: Concepts &amp; Models”; Elsevier; 2011 edition or later.</p> <p>4. Lun, Y.H.V; Lai, H.-H.; Cheng, T.C.E.; “Shipping and Logistics Management”; Springer; 2010 edition or later.</p> <p>5. Ailawadi, S.C., Singh, R.P.”Logistics Management”. PHI Learning. Latest Edition</p> <p>6. Muthiah, K. “Logistics Management&amp; World Seaborne Trade”. Himalaya Publication House. Latest Edition.</p> <p>7. Lambert, D.M., Stock, J.R., Ellram, L.M. “Fundamentals of Logistics Management”. McGraw Hill.Latest Edition.</p>
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### OPTIONAL BUSINESS COURSES

BSOS001

Warehouse Management

Credits 2

Objective	At the end of the course, students will develop the ability to efficiently manage warehouse operations.
Content	<ul style="list-style-type: none"> <li>• <b>Warehouse Functions</b> <span style="float: right;"><b>(8 Hrs.)</b></span> Logistics support for inward/ outward transportation, Loading/ unloading, Inspection, Receipt and issue of materials, Controlling movement of materials.</li> <li>• <b>Warehouse Types</b> <span style="float: right;"><b>(7 Hrs.)</b></span> Own warehouses, Hired warehouses, Private warehouses, Public warehouses, Government warehouses, Co-operative warehouses, Distribution warehouses, Fulfilment /consolidation warehouses, Bonded warehouses, Export and import warehouses, Automated warehouses, Climate-controlled Warehouse, Cold storage, Agricultural warehouses, Merits and demerits.</li> <li>• <b>Warehouse Location and Acquisition</b> <span style="float: right;"><b>(2 Hrs.)</b></span> Warehouse design and layout, Stores location systems.</li> <li>• <b>Internal Operations</b> <span style="float: right;"><b>(9 Hrs.)</b></span> Logistics in the warehouse, Localization of materials in a warehouse, Identification and classification of materials and products in the warehouse, Problems and issues in shipment processes. Material handling equipment and automation of material handling equipment.</li> <li>• <b>IT for Warehouse Management (WM)</b> <span style="float: right;"><b>(4 Hrs.)</b></span> Warehouse documentation, Information flow in the warehouse, Enterprise Resource Planning, Warehouse Management Systems, Bar code, Radio Frequency Identification.</li> </ul>
Pedagogy	Lectures/tutorials /field work/outreach activities/ project work/ vocational training/ viva /seminars / term papers/ assignments / presentations / self-study/case studies etc. or a combination of some of these. Sessions shall be

	interactive in nature to enable peer group learning.
Suggested Reading	<ol style="list-style-type: none"> <li>1. Saxena, J.P.; "Warehouse Management and Inventory Control"; Vikas Publishing House Pvt. Ltd.; 2009 edition or later.</li> <li>2. Richards, G.; "Warehouse Management: A Complete Guide to Improving Efficiency and Minimizing Costs in the Modern Warehouse "; Kogan Page; 2014 edition or later.</li> <li>3. Emmett, S.; "Excellence in Warehouse Management: How to Minimise Costs and Maximise Value"; Wiley Publications; 1<sup>st</sup> edition, 2005 or later.</li> <li>4. Schmidt, T &amp;Hompel, M.;"Warehouse Management: Automation and Organisation of Warehouse and Order Picking Systems"; Springer; 2007 edition or later.</li> <li>5. Verma M.M."Materials Management". Sultan Chand &amp; Sons. Latest Edition.</li> </ol>

BSOS002

Inventory Management

Credits 2

Objective	At the end of the course, students will develop ability to analyse the processes and techniques in managing inventory.
Content	<ul style="list-style-type: none"> <li>• <b>Introduction to Inventory Management (4 Hrs.)</b> Definition of inventory, Importance of inventory management, Maintaining inventory levels, Factors influencing inventory.</li> <li>• <b>Types of Inventory (4 Hrs.)</b> Raw Materials, Consumables, Work-in-process, Finished goods, Spare parts.</li> <li>• <b>Forecasting Techniques (4 Hrs.)</b> Need for forecast, Types of forecasts, Dependent demands, Independent demands, Semi-dependent demands, Lead time management, Demand forecasting techniques.</li> <li>• <b>Inventory Control &amp; Service Level (4 Hrs.)</b> Objectives of inventory control, Concept of selective inventory control, Inventory categorisation and analysis.</li> <li>• <b>Replenishment of Inventory (3 Hrs.)</b> Concept of economic order quantity (EOQ), Functions of safety stock, Safety stock v/s service level.</li> <li>• <b>Inventory Cost and Accounting (7 Hrs.)</b> Purchase/acquisition cost, Inventory carrying cost, Under stocking cost (KU), Overstocking cost, Stock out cost, Total acquisition cost, Accounting of raw materials, Work-in-process and finished goods stock, Stock valuation methods, Accounting for loss.</li> <li>• <b>Codification and Standardization (4 Hrs.)</b> Characteristics of codes, Types of codification systems, Analysing standardization system.</li> </ul>
Pedagogy	Lectures/tutorials /field work/outreach activities/ project work/ vocational training/ viva /seminars / term papers/ assignments / presentations / self-study/case studies etc. or a combination of some of these. Sessions shall be interactive in nature to enable peer group learning.

Suggested Reading	<ol style="list-style-type: none"> <li>1. David J. Piasecki; "Inventory Accuracy: People, Processes, &amp; Technology"; OPS Publication; 2003 edition or later.</li> <li>2. J P Saxena, "Warehouse Management and Inventory Control"; Vikas Publishing; 2009 Edition or later.</li> <li>3. Max Muller; "Essentials of Inventory Management"; AMACOM; 2011 edition or later.</li> <li>4. Steven M. Bragg; "Inventory Best Practices"; Wiley; 2011 edition or later.</li> <li>5. Verma M.M. "Materials Management". Sultan Chand &amp; Sons. Latest Edition.</li> <li>6. Piasecki, D.J. Inventory Management Explained: A focus on Forecasting, Lot Sizing, Safety Stock, and Ordering Systems. OPS Publishing, Latest Edition.</li> <li>7. Chary, S. "Production and Operations Management". Himalaya Publishing House. Latest Edition.</li> </ol>
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BSO 003

Packaging Management

Credits 2

Prerequisite	Fundamental knowledge in the area through a completed course of Logistics Management part 1&2.
Learning Objectives	To enable the participants to manage the packaging function in an organisation.
Learning Outcome	<p>After the completion of the course, students will be able to:</p> <ul style="list-style-type: none"> <li>• Recognise Types of packaging</li> <li>• Carry out Testing of packaging</li> <li>• Identify codes, bar codes, EDI etc.</li> <li>• Prepare Packaging for transportation.</li> </ul>
Content	<ol style="list-style-type: none"> <li>1. Essentials of Packing and Packaging. Functions of Packaging, types of packaging, Primary, secondary and tertiary, Requirements of consumer packaging. (8 Hrs.)</li> <li>2. Testing of Packaging (Mechanical, Climatic &amp; Lab test) International Care Labelling Code, Packaging Cost. (5 Hrs.)</li> <li>3. Identification Codes, Bar Codes, and Electronic Data Interchange (EDI), Universal Product Code- GS1 Standards. (4 Hrs.)</li> <li>4. Packing Considerations (5 Hrs.) Protection, Convenience, Environment, and Use/Reuse, Cost and Competition, Packing as a systems approach to Logistics</li> <li>5. Packaging/Packing Materials &amp; Components (8 Hrs.) Various Materials/Metals, Flexible, Folding, Insulated, Corrugated Packing Materials. Packing Securityprinting, Stretch wrap, Time temperature indicator, Tinplate.</li> </ol>
Pedagogy	Lectures/tutorials /field work/outreach activities/ project work/ vocational training/ viva /seminars / term papers/ assignments / presentations / self-study/case studies etc. or a combination of some of these. Sessions shall be interactive in nature to enable peer group learning.
Suggested	1. Soroka, W. Fundamentals of Packaging Technology. IPP, Latest Edition.

Reading	<ol style="list-style-type: none"> <li>2. Calver, G. What Is Packaging Design?.Rot vision, Latest Edition.</li> <li>3. Boylston,S. Designing Sustainable Packaging. Lawrence King, Latest Edition.</li> <li>4. Natarajan,S.,Godvinarajan,M.,and Kumar,B.Fundamentals of Packaging Technology. PHI Learning Private Limited, Delhi, Latest Edition.</li> </ol>
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BSO 005

E Logistics

Credits 2

Prerequisite	Fundamental knowledge in the area through a completed course of Logistics Management part 1&2.
Learning objective	To enable the participants to identify trends and manage the E Logistics function in an organisation
Learning Outcome	<p>After completion of the course the students will be able to:</p> <ul style="list-style-type: none"> <li>• Utilise concepts of E-Logistics</li> <li>• Utilise various tracking systems</li> <li>• Familiarise with Electronic Procurement</li> <li>• Overcome challenges associated with E-Logistics</li> </ul>
Content	<ol style="list-style-type: none"> <li>1. Introduction to E-logistics (6 Hrs.) Forward logistics, Reverse logistics, Logistics renovation toward E-logistics, Importance of E-logistics, New trends and technology in logistics.</li> <li>2. E-logistics Method of Documentation (5Hrs.) Electronic data interchange, Personal computer, Enterprise resource planning systems and web based systems.</li> <li>3. ASN, Tracking Systems, Satellite Global Positioning Systems (GPS) and Geographic Information Systems (GIS), Bar-Coding and Scanning. (5 Hrs.)</li> <li>4. Electronic Procurement (E-procurement), Transport and Delivery Management, Packing and Order Management, Inventory and Warehousing. (7 H rs.)</li> <li>5. Challenges Of E-Logistics, Environmental Issues, E-Business Strategy, Application for E-Logistics – Business to Business, Business to Consumers, Exception Based Status Alert, Transportation Documentation. (7 Hrs.)</li> </ol>
Pedagogy	Lectures/tutorials/ field work/outreach activities/ project work/ vocational training/ viva /seminars / term papers/ assignments / presentations / self-study/case studies



	etc. or a combination of some of these. Sessions shall be interactive in nature to enable peer group learning.
Suggested Reading	<ol style="list-style-type: none"> <li>1. Columbus,L. Realizing E-Business with Application Service Providers.LWC Publication, Latest Edition.</li> <li>2. Stanford, B. E-business: Key Issues, Applications and Technologies. OhmshaPublication, Latest Edition.</li> <li>3. Wang, Y., Pettit, S. E-Logistics: Managing your digital supply chains for competitive advantage. Kogan Page, UK,Latest Edition.</li> </ol>

BSOS008

Port Management

Credits 2

Objective	To be able to understand and analyse the role of port in international trade and comprehend the nuances of various components.
Content	<ul style="list-style-type: none"> <li>• Port, Their Types &amp; Functions (9 Hrs.) Major world ports in liner, Dry bulk &amp; liquid trades, Port ownership, Economics of port location, Factors used as a parameter to select a port.</li> <li>• Port Competition, Marketing and Pricing (8 Hrs.) Understand the nature of port competition at national &amp; international level; Understand the relevance of geographic location to vessel turnaround time &amp; port rotation, Port promotion techniques &amp; their impact in identifying potential users. Impact of better connectivity, Inland transportation, Understand nature &amp; types of port charges, Understand how pricing is used as a tool to influence demand.</li> <li>• Legal Aspects of Port Management (4 Hrs.) Legal nature of port constitutions, Legal framework of port ownership laws &amp; regulations relating to employment of dock workers.</li> <li>• SEZ/FTZ in Ports (3 Hrs.) Setting up of SET/FTZ in port areas, Legal implications, Benefit to trade.</li> <li>• Port Equipment (4 Hrs.) Understand what is meant by port building, Warehouse, Transit sheds etc. Understand the different cargo handling equipment's, Types, Costs &amp; the need for maintenance management.</li> <li>• Stevedoring (2 Hrs.) Functions of stevedores, Usefulness, How they can affect the loading /unloading operations</li> </ul>
Pedagogy	Lectures/tutorials /field work/outreach activities/ project work/ vocational

	training/ viva /seminars / term papers/ assignments / presentations / self-study/case studies etc. or a combination of some of these. Sessions shall be interactive in nature to enable peer group learning.
Suggested Reading	<ol style="list-style-type: none"> <li>1. Stevens, E; Butterfield, CSJ; "Shipping Practice"; Sterling Book House; Latest Edition.</li> <li>2. Branch, A.E.; "Elements of Shipping Practice"; Routledge - Taylor &amp; Francis Group; Latest Edition.</li> <li>3. Alderton P.M.; "Reeds Sea Transport"; Adland Coles Nautical, London; Latest Edition.</li> <li>4. The Maritime Law of India (2000); Bhandarkar Publication; Mumbai; Latest Edition.</li> <li>5. Ewart, W.D.; "Bunkers –A Guide for Ship Operators"; Fairplay Publications; Latest Edition.</li> <li>6. Burns, M.G."Port Management and Operations". CRC Press.Latest Edition.</li> <li>7. Branch, A.E. "Elements of Port Operation and Management".Springer. Latest Edition.</li> </ol>

BSO 010

Marine Insurance

Credits 2

Prerequisite	Fundamental knowledge in the area through a completed course of Export Import Procedures & Maritime Law.
Learning objectives	To enable the participants to manage the marine insurance function in an organisation.
Content	<ol style="list-style-type: none"> <li>1. Marine Insurance and Risk Management (8 Hrs.) What is risk, Process of risk management, Risk identification, Risk evaluation, Risk control, Risk handling; Definition, Scope and overview of marine adventure, Marine perils.</li> <li>2. Principles of Insurance and Protection &amp; Indemnity Clubs (6 Hrs.) Insurance-Introduction, Marine Insurance, Assignment, Insurable interest, Indemnity, Utmost good faith, Warranties, Subrogation, Contribution, Proximate cause, Partial &amp; total loss; History, Liability insurance, Membership, Management of clubs rating of risk &amp; fixing of calls, Scope for P&amp;I cover, Risk insured under P&amp;I cover, Club letters of undertaking, Exceptions limitations of cover etc.</li> <li>3. General Average &amp; the York Antwerp Rules, 1974- Particular &amp; General Average, Open Cover and Open Policies - Meaning, Special declaration policy, GOI- Scheme of War Risk Insurance of Marine Hull, 1976 - Applicability, Features, Scope of act. (8 Hrs.)</li> <li>4. Cargo Insurance, and Hull &amp; Machinery Insurance (8 Hrs.)</li> </ol>
Pedagogy	Lectures/tutorials/ field work/outreach activities/ project work/ vocational training/ viva /seminars / term papers/ assignments / presentations / self-study/case studies etc. or a combination of some of these. Sessions shall be interactive in nature to enable peer group learning.

Learning Outcome	After completion of the course the students will be: <ol style="list-style-type: none"> <li>1. Capable of handling Marine Insurance in shipping industry, its application with respect to hull &amp; cargo.</li> <li>2. Identify risks and indemnities in Marine Insurance.</li> </ol>
Suggested Reading	<ol style="list-style-type: none"> <li>1. Mitra, B.C.; 'The Law relating to Marine Insurance'; University Book Agency; Latest Edition.</li> <li>2. Insurance Institute of India; 'Risk Management'; Latest Edition.</li> <li>3. Insurance Institute of India; 'Marine Insurance'; Latest Edition.</li> <li>4. George, E.R., Michael, M. "Principles of Risk Management and Insurance". Pearson Education. Latest Edition.</li> </ol>

BSO 012

Customs Procedures and Practices

Credits 2

Prerequisite	Fundamental knowledge in the area through a completed course of Export Import Procedures & Maritime Law.
Learning Objectives	To enable the participants to manage the air cargo functions in an organisation.
Content	<ol style="list-style-type: none"> <li>1. Overview of Customs (6 Hrs.) Its function and importance, Organizational Structure/Hierarchy of Customs Department in India, Powers of Custom dept. / custom officers under the act 1962.</li> <li>2. Classification of Goods and Customs Refunds (10 Hrs.) Procedure for clearance of import and export of goods, Customs valuation, Import-export restrictions and prohibitions; Date of application of custom duty, Refund of custom duty, Remission and duty free items, Remission, Reduction and / or allow import without duty under certain circumstances.</li> <li>3. Transhipment of Cargo, Transhipment Permit (3 Hrs.)</li> <li>4. Export Promotion Schemes (5 Hrs.) Export oriented units, Drawback allowable on re-export of duty-paid goods, Export oriented imports.</li> <li>5. Customs Brokers, Customs Offences, Penal Provisions and Grievance Redressal Mechanisms (6 Hrs.)</li> </ol>
Pedagogy	Lectures/tutorials /field work/outreach activities/ project work/ vocational training/ viva /seminars / term papers/ assignments / presentations / self-study/case studies etc. or a combination of some of these. Sessions shall be interactive in nature to enable peer group learning.
Learning	After completion of the course the students will gain expertise in

Outcome	<ol style="list-style-type: none"> <li>1. Customs procedures, applicable rules and regulations</li> <li>2. Classification of goods and transshipment of goods</li> <li>3. Consequences of not adhering to customs procedures</li> <li>4. Customs refunds, export promotion schemes and customs brokers</li> </ol>
Suggested Reading	<ol style="list-style-type: none"> <li>1. Customs Manual - Latest Edition.</li> <li>2. Customs Act, 1962 - <a href="http://www.cbec.gov.in/customs/cs-act/cs-act-idx.htm">http://www.cbec.gov.in/customs/cs-act/cs-act-idx.htm</a></li> <li>3. Dr. Chandisamani, N.M.; 'A Guide to Customs Act, 1962'; Latest Edition.</li> <li>4. Kale, N.G., Ahmed, M.; 'EXIM Procedures &amp; Documentation'; VipulPrakashan, Mumbai; Latest Edition.</li> <li>5. Datey, V.S. Taxmann's Custom Law and Foreign Trade Policy. Taxmann. Latest Edition.</li> <li>6. Taxmann. Taxmann's Customs Act with Rules and Regulations. Taxmann. Latest Edition.</li> </ol>

BSO 013

Shipping Finance Management

Credits – 2

Prerequisite	Fundamental knowledge in the area through a completed course of Financial Statement Analysis 1.
Learning Objective	<p>To familiarize the participants with the finance function in a shipping organization with respect to:</p> <ol style="list-style-type: none"> <li>1. Ship financing</li> <li>2. Mortgage processes</li> <li>3. Documentation</li> <li>4. Legislation and registration procedures</li> </ol>
Content	<ol style="list-style-type: none"> <li>1. Introduction (6 Hrs.)  The shipping cycle - shipping cycle and loan finance decision, main sources of shipping finance, issue of shares, types of shares, listing of shares in International stock exchanges.  International element - ship registration, different types of registry, bareboat charter registration.  Loan - types of loan, hedging risk.</li> <li>2. Financing, Sale and Purchase of Second Hand Ship (8 Hrs.)  Second-hand ships - types of lender, loan and guarantee facilities, international element, loan agreement provisions, execution, Standard security in ship financing, registration of security, equity, Mezzanine finance, Islamic finance options.  Sale and Purchase – introduction – MOA and delivery-standard forms of MOA, Norwegian Sale form, standard documents.</li> </ol>

	<p>3. Financing of New Ship and Banker's Perspective (8 Hrs.)  New buildings - financing options, government support, the OECD and the EU, the SUECS, promissory note, letter of commitment, letter of guarantee.  Shipping market - assessing shipping risk, choice of finance for ship owners, term sheet and risk analysis.  Basic principles of good lending, documentation of guarantee sources of security and guarantee for loan.</p> <p>4. Financial Market Products and Ship Mortgage (8 Hrs.)  Financial products – meaning, interest rate hedging products, currency hedging products, freight hedging products, tying in hedging products to a ship finance, facility, accounting issues.  Ship mortgage - types and terms of mortgage, basic rights required by a mortgagee, standard mortgage provisions, mortgages in the most important ship registration jurisdictions.</p>
Pedagogy	Lectures/tutorials/field work/outreach activities/project work/vocational training/viva/seminars/term papers/assignments/presentations/self-study/case studies etc. or a combination of some of these. Sessions shall be interactive in nature to enable peer group learning.
Learning Outcome	After the completion of the course, students will develop the ability to: 1. Manage overall ship financing processes of new and second-hand ship 2. Identify the various sources of financing. 3. Identify the international element in ship financing. 4. Identify the risks associated with ship financing. 5. Be able to carry out the documentation process of ship financing.
Suggested Reading	1. Stephenson Harwood. Shipping Finance. Euromoney Institutional Investor Plc, UK. Latest Edition. 2. Schinas, O., Grau, C., Johns, M. HSBA Handbook on Ship Finance. Springer. Verlag Berlin Heidelberg. Latest Edition. 3. Kavussanos, M.G., Visvikis, I.D. The International Handbook of Shipping Finance Management - Theory and Practice. Palgrave Macmillan, U.K, Latest Edition.

BSO 014

Global Logistics Management

Credits – 2

Prerequisite	Fundamental knowledge through a completed course of Logistics Management 1 and 2.
Learning Objective	To familiarize the participants with the concepts in Global Logistics Management.
Content	1. Introduction to global logistics (8 Hrs.) Meaning and definition, global market forces, factors affecting global market forces, factors affecting technological forces, global cost forces, political and economic forces, borderless economy and trade implications, controllable and uncontrollable elements in a global market place, key players in international shipping, Incoterms. 2. International Supply Chain Management (8 Hrs.) Introduction to international supply chain management, issues in international supply chain Management, international versus regional Products, regional and cultural differences in logistics.

	<p>3. Global Strategy Implementation (8 Hrs.) Requirements and process for global strategy implementation, international distributional strategies, management of export shipments, the risks of international shipping, functions and responsibilities of buyers and sellers in international shipping, information system availability, role of human resources.</p> <p>4. Documents needed for international shipments, Laws and regulations governing international shipping, Global alliances and regional trade zones. (6 Hrs.)</p>
Pedagogy	Lectures/tutorials/field work/outreach activities/project work/vocational training/viva/seminars/term papers/assignments/presentations/self-study/case studies etc. or a combination of some of these. Sessions shall be interactive in nature to enable peer group learning.
Learning Outcome	<p>After the completion of the course, students will develop the ability to:</p> <ol style="list-style-type: none"> <li>1. identify the factors influencing global market forces and factors influencing technological forces</li> <li>2. identify the issues in international supply chain management</li> <li>3. identify and manage the regional and cultural differences in logistics</li> <li>4. identify the requirements of global strategy and its implementation</li> <li>5. Identify the role of human resource in creating a global logistics strategy.</li> </ol>
Suggested Reading	<ol style="list-style-type: none"> <li>1. Mangan,J., Lalwani, C., Butcher, T., Javadpour, R. Global Logistics and Supply Chain Management. John Wiley &amp; Sons Ltd. U.K. Latest Edition.</li> <li>2. Christiansen, B. Handbook of Research on Global Supply Chain Management (Advances in Logistics, Operations, and Management Science). Business Science Reference, USA. Latest Edition.</li> <li>3. Voortman, C. Global Logistics Management. Juta Academic. South Africa. Latest Edition.</li> <li>4. Branch, A.E. Global Logistics Management and Supply Chain Management. Routledge, U.K, Latest Edition.</li> </ol>

