



Vijayanagara Sri Krishnadevaraya University
Jnana Sagara, Ballari (Karnataka)

Department of Studies in Commerce

Syllabus

Bachelor of Commerce (B.Com. Logistics) Programme
[Apprenticeship-Embedded Degree Programme (AEDP)]
[Under Choice Based Credit System (CBCS)]

With Effect from the Academic Year 2025-26



Vijayanagara Sri Krishnadevaraya University

Jnana Sagara, Ballari (Karnataka)

B. Com Logistics(AEDP) Programme Outcomes

The proposed B.Com Logistics (AEDP) Programme is a judicious mix of skills, Professional education related to logistics and also appropriate content of general education. It is designed with the objective of equipping the students to cope with the emerging trends and challenges in the logistics management sector. This program will lead to a rewarding career in Logistics and Supply Chain Management. Effective logistics and supply chain management has become prominent for companies across Ecommerce, FMCG, manufacturing, retail and more such domains therefore large corporates have logistics and supply chain management as a key focus area. Logistics degrees provide transferable skills to help students remain competitive and ready for industry challenge

Bachelor of Commerce {(B. Com Logistics (AEDP)) Semester – I										
Semester – I										
Sl. No.	Course Category	Course Code	Title of the Course	Credits	Teaching Hours per Week			Marks		Duration of Examination
					L	T	P	IA	SEE	
1	LC		Kannada/Indian Language	3	3	--	--	20	80	3
2	LC		English	3	3	--	--	20	80	3
3	DCC	25COMLC101	Financial Accounting	4	4	--	--	20	80	3
4	SEC	25COMLS101	Fundamentals of Logistics	4	4	--	--	20	80	3
5	SEC	25COMLS102	Materials Management	4	4	--	--	20	80	3
6	SEC	25COMLS103	Warehousing & Distribution Centre Operations	4	4	--	--	20	80	3
7	MC		Indian Constitution	2	2	--	--	10	40	1.5
Total Credits and Marks for the First Semester				24				130	520	

Bachelor of Commerce {(B. Com Logistics (AEDP)) Curriculum Structure										
Semester – II										
Sl. No.	Course Category	Course Code	Title of the Course	Credits	Teaching Hours per Week			Marks		Duration of Examination
					L	T	P	IA	SEE	
1	LC		Kannada/Indian Language	3	3	--	--	20	80	3
2	LC		English	3	3	--	--	20	80	3
3	DCC	25COMLC202	Corporate Accounting	4	4	--	--	20	80	3
4	SEC	25COMLS204	Forecasting and Inventory Management	4	4	--	--	20	80	3
5	SEC	25COMLS205	Freight Forwarding (Ocean & Air Cargo)	4	4	--	--	20	80	3
6	SEC	25COMLS206	Surface Transportation	4	4	--	--	20	80	3
7	MC		Environmental Studies	2	2	--	--	10	40	1.5
Total Credits and Marks for the Second Semester				24				130	520	

Bachelor of Commerce {(B. Com Logistics (AEDP))} Curriculum Structure										
Semester – III										
Sl. No.	Course Category	Course Code	Title of the Course	Credits	Teaching Hours per Week			Marks		Duration of Examination
					L	T	P	IA	SEE	
1	LC		Kannada/Indian Language	3	3	--	--	20	80	3
2	LC		English	3	3	--	--	20	80	3
3	DCC	25COMLC303	Financial Management	4	4	--	--	20	80	3
4	SEC	25COMLS307	MIS for Logistics	4	4	--	--	20	80	3
5	SEC	25COMLS308	Retail Logistics and E-Commerce	4	4	--	--	20	80	3
6	SEC	25COMLS309	Liner Logistics	4	4	--	--	20	80	3
7	MC		Business Communication	2	2	--	--	10	40	1.5
Total Credits and Marks for the Second Semester				24				130	520	

Bachelor of Commerce {(B. Com Logistics (AEDP))} Curriculum Structure										
Semester – IV										
Sl. No.	Course Category	Course Code	Title of the Course	Credits	Teaching Hours per Week			Marks		Duration of Examination
					L	T	P	IA	SEE	
1	LC		Kannada/Indian Language	3	3	--	--	20	80	3
2	LC		English	3	3	--	--	20	80	3
3	DCC	25COMLC404	Human Resource Management	4	4	--	--	20	80	3
4	SEC	25COMLS410	Port Terminal Logistics	4	4	--	--	20	80	3
5	SEC	25COMLS411	Specialization-I	4	4	--	--	20	80	3
6	SEC	25COMLS412	Specialization-II	4	4	--	--	20	80	3
7	MC		Data Spread Sheet	2	2	--	--	10	40	1.5
Total Credits and Marks for the Second Semester				24				130	520	

Bachelor of Commerce {(B.Com Logistics (AEDP)) Curriculum Structure										
Semester – V										
Sl. No.	Course Category	Course Code	Title of the Course	Credits	Teaching Hours per Week			Marks		Duration of Examination
					L	T	P	IA	SEE	
4	DCC		Allied Course-MOOC	2	4	--	--	---	100	3
5	DCC		Apprenticeship-I	22	--	--	--	250	150	--
Total Credits and Marks for the Second Semester				24				250	250	

Bachelor of Commerce {(B. Com Logistics (AEDP)) Curriculum Structure										
Semester – VI										
Sl. No.	Course Category	Course Code	Title of the Course	Credits	Teaching Hours per Week			Marks		Duration of Examination
					L	T	P	IA	SEE	
4	DCC		Allied Course-MOOC	2	4	--	--	---	100	3
5	DCC		Apprenticeship-I	22	--	--	--	250	150	--
Total Credits and Marks for the Second Semester				24				250	250	

Semester IV - Specialization Modules

Course	Group A – Aviation	Group B - Ecommerce	Group C – Land Transportation
1	Introduction to Aviation Industry & Airport Operation	First Mile Operations	Principles & Practices of Tourism
2	Introduction to Air Cargo Industry	Last Mile Operations	Commercial Aspects of Transportation

Students shall choose one of the three Modules and pursue both courses listed in the chosen Module.

Semester V – Allied Courses - MOOC

No.	Course
1	Export and Import Documentation
2	Inland Waterways and Coastal Shipping

Semester VI – Allied Courses - MOOC

No	Course
1	Courier, Express and Parcel Services
2	Multi-Modal Transportation

Notes:

1. All the courses, except Language and Mandatory Courses, are to be taught by the Commerce Teachers only.
2. Training will be provided by the **Logistic** Sector Skills Council to teachers of the college offering this programme as to how Skill-enhancement Courses will be taught. And necessary inputs will also be provided by them.
3. **Logistic** Sector Skills Council facilitates the college for placement for Apprenticeship Programme for a year (V and VI Semesters).

2. Abbreviations used for course category are as follows:

- a. **DCC** – Discipline-specific Core Course
- b. **DEC** – Discipline-specific Elective Course
- c. **LC** – Language Course
- d. **MC** – Mandatory Course
- e. **SEC** – Skill Enhancement Course

3. Course Code consists of 10 digits. It indicates as follows:

- a. **The first two digits** – Year of Commencement of this Curriculum
- b. **The Second three letters** – The programme, Commerce
- c. **The next one letter** – The Category of Programme like G – General, T – Taxation, V – Vocational-Computer Studies -- B - BFSI and L-- Logistics
- d. **The next one letter** – The category of the Course
- e. **The next digit** – Serial number of the Semester
- f. **The last two digits** – Serial Number of the Course in that category

4. Teaching Hours

- a. **L** – Lecture
- b. **T** – Tutorial - one hour of tutorial is equivalent to one hour of lecture.
- c. **P** – Practical - two hours of practical is equivalent to one hour of lecture.

5. Marks

- a. **IA** – Internal Assessment
- b. **SEE** – Semester-End Examination

6. Practical

Practical must be conducted through its presentation of practical book written by students

Bachelor of Commerce {(B. Com Logistics (AEDP)) Curriculum Structure										
Semester – I										
Sl. No.	Course Category	Course Code	Title of the Course	Credits	Teaching Hours per Week			Marks		Duration of Examination
					L	T	P	IA	SEE	
1	LC		Kannada/Indian Language	3	3	--	--	20	80	3
2	LC		English	3	3	--	--	20	80	3
3	DCC	25COMLC101	Financial Accounting	4	4	--	--	20	80	3
4	SEC	25COMLS101	Fundamentals of Logistics	4	4	--	--	20	80	3
5	SEC	25COMLS102	Materials Management	4	4	--	--	20	80	3
6	SEC	25COMLS103	Warehousing & Distribution Centre Operations	4	4	--	--	20	80	3
7	MC		Indian Constitution	2	2	--	--	10	40	1.5
Total Credits and Marks for the First Semester				24				130	520	

Bachelor of Commerce {(B. Com Logistics (AEDP)} Semester – I
Financial Accounting

Course Title: Financial Accounting	Course code: 25COMLC101
Total Contact Hours: 56	Course Credits: 3
Internal Assessment Marks: 20	Duration of SEE: 3 hours
Semester End Examination Marks: 80	
Lectures, Tutorials, Group Discussion, Seminar, Case Studies, Field Work etc.	
<p>Course Outcomes: On successful completion of the course, the Students will be able to -</p> <ul style="list-style-type: none"> ▪ Understand the theoretical framework of accounting as well accounting standards. ▪ Demonstrate the preparation of financial statement of manufacturing and non-manufacturing entities of sole proprietors. ▪ Exercise the accounting treatments for consignment transactions & events in the books of consignor and consignee. ▪ Understand Pedagogy: Classroom the accounting treatment for royalty transactions & articulate the Royalty agreements. ▪ Outline the emerging trends in the field of accounting. 	

Unit	Description	Hours
1	Theoretical Framework of Accounting: Introduction - Meaning and Scope of Accounting- Accounting Terminologies- Uses and Users of Accounting information- Accounting Process-Basis of Accounting: Cash and Accrual basis-Branches of Accounting-Accounting Principles-Concepts and Conventions - Accounting Standards-An overview of Indian Accounting Standards (IND AS).	12
2	Financial Statements of Sole Proprietors: Introduction - Meaning of Sole Proprietor- Financial Statements of Non-Manufacturing Entities: Trading Account - Income Statement/Profit & Loss Account-Balance Sheet; Financial Statements of Manufacturing Entities: Manufacturing Account-Trading Account- Profit & Loss Account- Balance Sheet.	10
3	Consignment Accounts: Introduction - Meaning of Consignment-Consignment vs Sales-Pro-forma Invoice-Accounts Sales-Types Commission-Accounting for Consignment Transactions & Events in the books of Consignor and Consignee - Treatment of Normal & Abnormal Loss. -Valuation of Closing Stock-Goods sent at Cost Price and Invoice Price.	12
4	Royalty Accounts: Introduction-Meaning-Types of Royalty-Technical Terms: Lessee, Lessor, Minimum Rent – Short Workings –Recoupment of Short Working– Accounting Treatment in the books of Lessee and lessor – Journal Entries and Ledger Accounts including minimum rent account.	12
5	Emerging Trends in Accounting: Digital Transformation of Accounting-Big Data Analytics in Accounting-Cloud Computing in accounting- Accounting with drones-	10
	Forensic Accounting- Accounting for Planet - Creative Accounting-Outsourced Accounting- Predictive Accounting (Theory Only).	

References:

- 1.J Magegowda and Inchara P M Gowda, Sapna Book House, Bengaluru
- 2.ICAI Study Materials on Principles & Practice of Accounting, Accounting and Advanced Accounting.
- 3.SP Iyengar (2005), Advanced Accounting, Sultan Chand & Sons, Vol. 1.
- 4.Robert N Anthony, David Hawkins, Kenneth A. Merchant, (2017) Accounting: Text and Cases, McGraw-Hill Education, 13th Edition.
- 5.Charles T. Horngren and Donna Philbrick, (2013) Introduction to Financial Accounting, Pearson Education, 11th Edition.
- 6.J.R. Monga, Financial Accounting: Concepts and Applications. Mayur Paper Backs, New Delhi, 32nd Edition.
- 7.S.N. Maheshwari, and. S. K. Maheshwari. Financial Accounting. Vikas Publishing House, New Delhi, 6th Edition.
- 8.B.S. Raman (2008), Financial Accounting Vol. I & II, United Publishers & Distributors
- 9.Compendium of Statements and Standards of Accounting. The Institute of Chartered Accountants of India, New Delhi.

Note: Latest edition of text books may be used.

Bachelor of Commerce {(B. Com Logistics (AEDP)} Semester – I
Fundamentals of Logistics

Course Title: Fundamentals of Logistics	Course Code: 25COMLS101
Total Contact Hours: 56	Course Credits: 4
Internal Assessment Marks: 20	Duration of SEE: 3 hours
Semester End Examination Marks: 80	

Pedagogy: Classroom Lectures, Tutorials, Group Discussion, Seminar, Case Studies, Field Work etc.

COURSE OBJECTIVES:

- To develop competencies and knowledge of students to become logistics professionals
- To orient students in the field of Logistics
- To help Students to understand Fundamentals of Logistics

LEARNING OUTCOMES:

- Students will be able to apply the Basic knowledge of Logistics in the real-life situation
- This subject will enable them to enhance their ability and professional skills in Logistics
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Unit	Description
1	Introduction to Logistics: History of Logistics Need for logistics-Cost and Productivity, cost saving & Productivity improvement. Logistics Cost, reduction in logistics cost, benefits of efficient Logistics, Principles of Logistics, Technology & Logistics- Informatics, Logistics optimization. Listing of Sub-sectors of Logistics
2	Logistics and Customer Service Definition of Customer Service Elements of Customer Service-Phases in Customer Service-Customer Retention- Procurement and Outsourcing-Definition of Procurement/Outsourcing-Benefits of Logistics Outsourcing - Critical Issues in Logistics Outsourcing
3	Global Logistics - Global Supply Chain - Organizing for Global Logistics-Strategic Issues in Global Logistics - Forces driving Globalization - Modes of Transportation in Global Logistics Barriers to Global Logistics - Markets and Competition - Financial Issues in Logistics Performance - Integrated Logistics - Need for Integration - Activity Centers in Integrated Logistics. Role of 3PL&4PL.
4	a) Warehouse: Warehouse-Meaning, Types of Warehouses Benefits of Warehousing. b) Transportation -Meaning; Types of Transportations, efficient transportation system and Benefits of efficient transportation systems. c) Courier/Express-Courier/Express -Meaning, Categorization of Shipments, Courier Guidelines, Pricing in Courier - Express Sector for international and domestic shipping. E-Commerce - Meaning, Brief on Fulfillment Centers, Reverse logistics in e-commerce sector, Marketing in e-commerce and future trends in e-commerce.
5	a) EXIM: Brief on EXIM/FF & CC, Multi-modal transportation, brief on customs clearance, bulk load handling and brief on trans-shipment. b) Supply chain. c) Cold chain. d) Liquid Logistics. e) Rail Logistics.

References:

1. Course Material Prepared by LSC
2. Fundamentals of Logistics Management (The Irwin/McGraw-Hill Series in Marketing), Douglas Lambert, James R. Stock, Lisa M. Ellram, McGraw-Hill/Irwin, First Edition, 1998.
3. Vinod V. Sople (2009) Logistic Management (2nd Edn.) Pearson Limited.
4. Logistics Management for International Business: Text and Cases, Sudalai Muthu & Anthony Raj, PHI Learning, First Edition, 2009.
5. Fundamentals of Logistics Management, David Grant, Douglas M. Lambert, James R. Stock, Lisa M. Ellram, McGraw Hill Higher Education, 1997.
6. Logistics Management, Ismail Reji, Excel Book, First Edition, 2008

Note: Latest edition of text books may be used.

Bachelor of Commerce {(B. Com Logistics (AEDP)) Semester – I

Material Management

Course Title: Material Management	Course Code: 25COMLS102
Total Contact Hours: 56	Course Credits: 4
Internal Assessment Marks: 20	Duration of SEE: 3 hours
Semester End Examination Marks: 80	

Pedagogy: Classroom Lectures, Tutorials, Group Discussion, Seminar, Case Studies, Field Work etc.

COURSE OBJECTIVES:

- To help Students to understand basic Principles and concept of material Management
- To orient students on contemporary development in the field of material management
- To develop competencies and knowledge of students to become effective professionals

LEARNING OUTCOMES:

- To apply the knowledgeable out material management in the real-life business situation
- Understand the contemporary practices followed in the field of Materials Management To enhance their managerial ability and professional skills

Unit	Description
1	Introduction: Materials Management - Evolution, Importance, Scope and Objectives- Interface with other functions. - Supply Chain Management-Objectives- Components, Trade off Customer Service & Cost. Supply Chain Analytics.
2	Purchasing: purchasing and procurement activities under Materials management-Purchasing Methods- Purchasing and quality Assurance- Purchase Cycle – governmental purchasing practices and procedures - Negotiation & Bargaining – Vendor relations
3	Inventory - Need of Inventory -Types of Inventories - Basic EOQ Model - EOQ with discounts – Different types of Analysis. Forecasting–methods of forecasting-Material Requirement Planning (MRP)- Input and output of MRP system -BOM Explosion-MRP II.
4	Quality control of material: Incoming material quality control- statistical quality control (Various control Inventory control & Cost Reduction techniques. Value Analysis & Value Engineering. Standardization– need and importance. Codification - concept, benefits. Sector, charts)- Marketing in e-commerce and future trends in e-commerce.
5	Stores -Functions-Stores layout-documentation-Materials handling and storage systems, - Principles of Materials Handling system – Safety issues.

References:

1. Course Material Prepared by LSC
2. Materials management: procedures, text and cases- A.K.Datta
3. Materials management: An integrated approach-P.Gopalakrishnan
4. Introduction to Materials management-J.R.Tony Arnold & Stephen N. Chapman
5. Purchasing and Materials Management-KS Menon
6. Handbook of Materials Management–Gopalakrishnan

Note: Latest edition of text books may be used.

**Bachelor of Commerce {(B. Com Logistics (AEDP)} Semester – I
Warehousing & Distribution Centre Operation**

Course Title: Warehousing & Distribution Centre Operation	Course Code: 25COMLS103
Total Contact Hours: 56	Course Credits: 4
Internal Assessment Marks: 20	Duration of SEE: 3 hours
Semester End Examination Marks: 80	

Pedagogy: Classroom Lectures, Tutorials, Group Discussion, Seminar, Case Studies, Field Work etc.

COURSE OBJECTIVES:

- To develop competencies and knowledge of students to become Warehouse professionals
- To help Students to understand Warehousing and distribution centre operations
- To orient students about contemporary practices followed in Warehousing & Logistics

LEARNING OUTCOMES:

- To apply the Basic knowledge of Warehousing and distribution centre operations in the real-life situation
- To enhance their ability and professional skills
To Understand the contemporary Practices in the Industry

Unit	Description
1	Introduction to Warehouse (Storage and Packaging) Background - Types of Warehouses - Broad functions in a warehouse-warehouse layout and layout related to functions. Equipment requirement in warehouse-Strategic Aspects of Warehouse.
2	Receiving of Goods-Advanced shipment notice (ASN)-Goods Receipt note-(GRN)-Stages involved receipt of goods- Visual inspection of goods unloaded- Formats for recording of goods unloaded from carriers- Procedure for Arranging of goods on dock-Put away of Goods-its activity-Put away list and its need-Put away of goods in to storage locations-storage location code and its application
3	Procedure to prepare warehouse dispatches -Preparing Packaging List/Dispatch Note-Packaging-its importance of packing-Packaging Materials-reading Labels-quality parameters in packing significance-Cross Docking Method-and its application-Automation: Pick/Put to Light-A Frame-Automated Order Selection-Pick-N-Go-Outbound Sorters- Automatic Truck Loading.
4	Distribution -Definition-Need for physical distribution-concept-system perspective-functions of distribution-marketing forces affecting distribution. Channels of distribution: role of marketing channels-channel functions -channel structure-designing distribution channel - choice of distribution channels
5	Warehouse Safety Rules and Procedures: Hazardous cargo - Procedure for Identification of Hazardous Cargo - safety data sheet- Familiarization with the industry. Health, Safety & Environment - 5S Concept on shop floor. Personal protective Equipment's (PPE) and their uses.

References:

1. Course Material Prepared by LSC
2. Definitive Guide to Warehousing, The: Managing the Storage and Handling of Materials and Products in the Supply Chain (Council of Supply Chain Management Professionals) 1st Edition
3. Warehouse Management: A Complete Guide to Improving Efficiency and Minimizing Costs in the Modern Warehouse- III Edition-Gwynne Richar

Note: Latest edition of text books may be used.

Bachelor of Commerce {(B. Com Logistics (AEDP)) Curriculum Structure										
Semester – II										
Sl. No.	Course Category	Course Code	Title of the Course	Credits	Teaching Hours per Week			Marks		Duration of Examination
					L	T	P	IA	SEE	
1	LC		Kannada/Indian Language	3	3	--	--	20	80	3
2	LC		English	3	3	--	--	20	80	3
3	DCC	25COMLC202	Corporate Accounting	4	4	--	--	20	80	3
4	SEC	25COMLS204	Freight Forwarding (Ocean & Air Cargo)	4	4	--	--	20	80	3
5	SEC	25COMLS205	Forecasting and Inventory Management	4	4	--	--	20	80	3
6	SEC	25COMLS206	Surface Transportation	4	4	--	--	20	80	3
7	MC		Environmental Studies	2	2	--	--	10	40	1.5
Total Credits and Marks for the Second Semester				24				130	520	

Bachelor of Commerce {(B. Com Logistics (AEDP)} Semester-II
Corporate Accounting

Course Title: Corporate Accounting	Course Code: 25COMLC202
Total Contact Hours: 56	Course Credits: 4
Internal Assessment Marks: 20	Duration of SEE: 3 hours
Semester End Examination Marks: 80	

Pedagogy: Pedagogy: Combination of lectures, seminars, assignments, exposing the students to annual
Course Outcomes: On successful completion of the course, the students will be able to -
<ul style="list-style-type: none"> ▪ To workout accounting issues ▪ Explain the valuation methods of intangible assets. ▪ Certain pre and post incorporation profit. ▪ Compute the value of shares. ▪ Prepare the financial statements of companies as per Companies Act, 2013

Unit	Description	Hours
1	Financial statements of Companies - Phases of Share Capital, Statutory Provisions regarding preparation of financial statements of companies as per schedule III of Companies Act, 2013 and IND AS-1 – Treatment of Special Items – Tax deducted at source – Advance payment of Tax – Provision for Tax– Depreciation – Interest on debentures – Dividends – Rules regarding payment of dividends – Transfer to Reserves – Preparation of Statement of profit and loss and Balance Sheet (Numerical Problems).	10
2	Profit prior to incorporation – Introduction - Meaning – Calculation of sales ratio– time ratio – weighted ratio – treatment of capital and revenue expenditure –capital profit and revenue profit (theory) Ascertainment of pre-incorporation and post incorporation profits by preparing statement of Profit and Loss and Balance Sheet as per schedule III of companies Act, 2013. (Numerical Problems)	10
3	Accounting for amalgamation- Meaning-Objectives-Types-Methods-Purchase consideration. (Numerical Problems) Absorption- Meaning-Differences between amalgamation and absorption-Methods. (Numerical Problems)	12
4	Valuation of Intangible Assets: Introduction – types and objectives of intangible assets, Valuation of Goodwill –factors influencing goodwill, circumstances of valuation of goodwill- Methods of Valuation of Goodwill: Average Profit Method, Capitalization of average Profit Method, Super Profit Method, Capitalization of Super Profit Method, and Annuity Method (Numerical Problems). Brand valuation and Intellectual Property Rights (IPR). (Theory)	12
5	Valuation Of Shares - Introduction - Meaning –Types of Shares - Need for Valuation – Factors Affecting Valuation – Methods of Valuation: Intrinsic Value Method, Yield Method, Earning Capacity Method, Fair Value of shares (Numerical Problems). Rights Issue and Valuation of Rights Issue, Valuation of Warrants (Theory).	12

References:

1. Corporate Accounting- B.S.Raman
2. Financial Accounting - S.N.Maheshwari.
3. Financial Accounting – Shukla & Grewal.
4. Advanced Accounting –R.L Gupta &Radhaswamy.
5. Introduction to Accountancy – T.S.Grewal
6. Advanced Accountancy – M.B.Kadkol

Note: Latest edition of text books may be used.

**Bachelor of Commerce {(B. Com Logistics (AEDP)) Semester-II
Freight Forwarding (Ocean & Air Cargo)}**

Course Title: Freight Forwarding (Ocean & Air Cargo)	Course Code: 25COMLS204
Total Contact Hours: 56	Course Credits: 4
Internal Assessment Marks: 20	Duration of SEE: 3 hours
Semester End Examination Marks: 80	

Pedagogy: Classroom Lectures, Tutorials, Group Discussion, Seminar, Case Studies, Field Work etc.

COURSE OBJECTIVES:

- To develop competencies and knowledge of students to become freight forwarding professionals
- To develop competencies on documentation procedures
- To help Students to understand freight forwarding.

LEARNING OUTCOMES:

- Students will be able to apply the Basic knowledge of freight forwarding including ocean and air cargo in the real-life situation
- Students will be able to demonstrate their skill on documentation in their profession.

This subject will enable them to enhance their ability and professional skills

Unit	Description
1	Introduction to EXIM, Freight forwarding and custom clearance –types of custom clearances – Importance of custom clearance – certificate of origin, ICEGATE and insurance – custom Act – Regulations pertaining to custom clearance – different modes of freight forwarding – process of freight forwarding.
2	Operation Procedures of Freight Forwarding - The procedures for Pre-Operating Checks and Operational checks to be performed for every shipment / consignment
3	List of basic handling of errors and the Operational errors that occur in common - Procedure for checking of shipping bill, Airway bill based on invoice and packing list received from department for Forwarding Freight. Regulations (EXIM/IATA/Countries)/COM based on permutations and combinations of weight vs volume.
4	Cargo handling, INCO terms and terminologies used in Cargoes - Different Types of Cargoes for transportation. Full Export and Import value of the cargo – Importer and exporter Code (IEC), The registered PAN based Business Identification number received from the Directorate General of Foreign Trade – Different type of Cargo, their quantity and value- Packaging requirement for the cargo during shipment from the shipper- Inspection procedure for the cargo while unloading- DO's and DON'T's while handling different cargo
5	Documentation of Freight Forwarding process as per customer timelines and requirements - Carting, unloading, Stacking, Loading; and Stuffing- Procedure for dealing with loss or damage to goods- Different P.G.A and their roles. Technical knowledge on Containers; Pallets; Palletization; Fumigation- Letters of Credit and payment Terms. Etc. computer and its application in internal systems of documentation.

References:

1. Course Material Prepared by LSC
2. J P Saxena, Warehouse Management and Inventory Control- Vikas Publication House Pvt Ltd, First Edition, 2003.
3. Warehouse Management: Automation and Organization of Warehouse and Order Picking Systems [With CDROM], Michael Ten Hompel, Thorsten Schmidt, Springer verlag, First Edition, 2006.
4. Management Guide to Efficient Money Saving Warehousing, Stephen Frey, Gower, 1982.

5.SwapnaPillai, Export Import

Procedures & Documentation, SahityaBhawanPublication,2020.

Note: Latest edition of text books may be used.

**Bachelor of Commerce {(B. Com Logistics (AEDP)} Semester-II
Forecasting and Inventory Management**

Course Title: Forecasting and Inventory Management	Course Code: 25COMLS205
Total Contact Hours: 56	Course Credits: 4
Internal Assessment Marks: 20	Duration of SEE: 3 hours
Semester End Examination Marks: 80	

Pedagogy: Classroom Lectures, Tutorials, Group Discussion, Seminar, Case Studies, Field Work etc.

COURSE OBJECTIVES:

- To develop competencies and knowledge of students to become Forecasting and inventory management professionals
- To orient students in the field of Forecasting and inventory management
- To help Students to understand forecasting and inventory management

LEARNING OUTCOMES:

Students will be able to apply the Basic knowledge of forecasting and inventory management in their all life situation

It will enable them to enhance their ability and professional skills in inventory management

Unit	Description
1	Forecasting: Meaning –Need-Types of forecasts–Demand Forecasting-Types of Demand Forecasting- -Importance-Demand planning v/s Forecasting-Sources of demand-Supply chain dynamics
2	Sales and Operations Planning -Goals and objectives of S&OP-Collaborative Planning-Types - Collaborative planning, forecasting and replenishment- Cyclic decomposition techniques. Short-term forecasting techniques- Technology Forecasting and Methodologies: Role of Technology Information Forecasting and Assessment Council (TIFAC).
3	Inventory: Purpose of Inventory- -Types of Goods -General Management of Inventory- Multi-Echelon Inventory Systems -Use of Computers in Inventory Management- Evaluation of Performance of Materials Function–Latest trends in Inventory Management
4	Codification –Classification– Methodology–Requirement of codes– Coding Structure and Design –Advantages- International Codification – Right Quantity – Economic Ordering Quantity -Costs associated with Inventories- Models in logistics
5	Influence of production policy on inventory levels – inventories and customer service level – steps to improve inventory management –optimum inventory– Inventory management uncertainty (fixed order quantity model) - Calculation of safety stocks

References:

1. Course Material Prepared by LSC
2. Sunil Chopra and Peter Meindl, Supply Chain Management Pearson Education Asia, 3rd edition 2007
3. Chaman L Jain, "Fundamentals of Demand Planning & Forecasting" Grace way Publishing Company 3rd edition.
4. Operations Research- Concepts, Problems & Solutions- Kapoor V.K- Sultan Chand & Sons/2017-978-81-8054-3 (TC-532)
5. Vijay Kumar Khurana,2007, Management of Technology and Innovation, Ane books India, Chennai Further Reading S Levi, David, "Designing and Managing Supply Chain", Tata Mc Graw Hill, 3rd edition,2007
6. David E Mulcahy, "Warehouse Distribution and Operations Handbook, McGraw Hill,6thEdition, 1993.

Note: Latest edition of text books may be used.

Bachelor of Commerce {(B. Com Logistics (AEDP)) Semester-II Surface Transportation

Course Title: Surface Transportation	Course Code: 25COMLS206
Total Contact Hours: 56	Course Credits: 4
Internal Assessment Marks: 20	Duration of SEE: 3 hours
Semester End Examination Marks: 80	

Pedagogy: Classroom Lectures, Tutorials, Group Discussion, Seminar, Case Studies, Field Work etc.

COURSE OBJECTIVES:

- To help Students to understand basics of surface transportation including road and rail transport
- To develop competencies and knowledge of students to become transportation Professionals

LEARNING OUTCOMES:

- Students will be able to apply the knowledge of surface transportation in the real- life situation
- Enhancement of professional skills with regard to the field

Unit	Description
1	Introduction to surface transportation -Need - functions of transportations in logistics -Types of transportations metrics-variouslandtransportcarriersandtheirLoadcapacities-types of temperature-controlled carriers-inter modal transport -verification of carriers and drivers -transit rules
2	Transportation Optimization -Documentation for transportation –GST– E Waybill Filing – Importance of consignment number -Transportation Telematics -Vehicle tracking system - GPS systems -Procedure for downloading and reading tracking data from devices -Probable reasons for delay or any issues during transit -Solutions - re-routing
3	Organization structure in a Transport organization - Incident management systems & Processes - hazmat goods rules-Importance of safety data sheet and labels- Procedure for Consolidation of consignments for optimal loads -Reporting discrepancies such as pilferages, loss or damage of goods in transit- Checking insurance and claims -steps to close deliveries.
4	Benefits of efficient transportation systems -emerging trends in transportation sector-pricing in transportation sector-govt regulations on transportation in India. Safety procedures during transit and emergency response steps - List of good practices in driving.
5	CustomerManagement -Vendorcoordinationforreturntruckloads-DGHandling– features and facilities offered by railways – innovative schemes-facilities to popularize rail logistics in India

References:

1. Course Material Prepared by LSC
2. J.P. Saxena, warehouse Management and Inventory Control- Vikas Publication House Pvt Ltd, First edition,2003.
3. A Practical Guide to Logistics: An Introduction to Transport, Warehousing, Trade and Distribution- Jerry Rudd-Kogan Page Publication
4. Management Guide to Efficient Money Saving Warehousing, Stephen Frey,Gower,1982.
5. KapoorSatishK., and Kansal Purva, ' Basics of Distribution Management: A Logistical Approach', Prentice HALLof India

Note: Latest edition of text books may be used.

Bachelor of Commerce {(B. Com Logistics (AEDP)} Curriculum Structure**Semester – III**

Course Category	Course Code	Title of the Course	Credits	Teaching Hours per Week			Marks		Duration of Examination
				L	T	P	IA	SEE	
LC		Kannada/Indian Language	3	3	--	--	20	80	3
LC		English	3	3	--	--	20	80	3
DCC	25COMLC303	Financial Management	4	4	--	--	20	80	3
SEC	25COMLS307	MIS for Logistics	4	4	--	--	20	80	3
SEC	25COMLS308	Retail Logistics and E-Commerce	4	4	--	--	20	80	3
SEC	25COMLS309	Liner Logistics	4	4	--	--	20	80	3
MC		Business Communication	2	2	--	--	10	40	1.5
Total Credits and Marks for the Second Semester			24				130	520	

Bachelor of Commerce {(B. Com Logistics (AEDP)} Semester – III
Financial Management

Course Title: Financial Management	Course Code: 25COMLC303
Total Contact Hours: 56	Course Credits: 4
Internal Assessment Marks: 20	Duration of SEE: 3 hours
Semester End Examination Marks: 80	

Pedagogy: Classroom Lectures, Tutorials, Group Discussion, Seminar, Case Studies, Field Work etc.

- Course Outcomes: On successful completion of the course, the students will be able to –**
- To provide a conceptual understanding on financial management
 - Provide the justification for various leverages and show their applicability in wealth management
 - Students to take important financial decisions by applying appropriate techniques and approaches.
 - To provide a conceptual understanding on financial management and enable the students to take important financial decisions by applying appropriate techniques and approaches

Unit	Description
1	Introduction to Financial Management: Meaning and definition of Financial Management; Scope, and Importance of Financial Management, functions of financial Management, Objectives of Financial Management: Profit Maximization vs. Wealth Maximization; Role and Functions of a Finance Manager; Time Value of Money – Concept, Present Value & Future Value Meaning of time value of money-time preference of money- Techniques of time value of money – Problems.
2	Financing Decision: Capital Structure & Cost of Capital: Introduction-Meaning and Definition of Capital Structure, Factors determining the Capital Structure, Concept of Optimum Capital Structure, EBIT-EPS Analysis- Problems. Leverages: Meaning and Definition, Types of Leverages- Operating Leverage, Financial Leverage and Combined Leverages. Problems. Theories of Capital Structure: Net Income Approach, Net Operating Income Approach, Modigliani & Miller Approach – Problems. Cost of Capital: Cost of Equity, Cost of Debt, Cost of Preference Capital, and Weighted Average Cost of Capital (WACC) – Problems.
3	Investment Decision: Capital Budgeting: Introduction-Meaning and Definition of Capital Budgeting, Features, Significance – Steps in Capital Budgeting Process. Techniques of Capital budgeting: Traditional Methods – Pay Back Period, and Accounting Rate of Return – DCF Methods: Net Present Value Internal Rate of Return and Profitability Index- Problems
4	Working Capital Management: Introduction- Meaning and Definition, types of working capital, Operating cycle, Determinants of working capital needs – Estimation of working capital requirements. dangers of excess and inadequate working capital, Merits of adequate working capital, Sources of working capital. Cash Management, Receivable Management, and Inventory Management (Concepts only).
5	Dividend Decision and Theories: Introduction - Dividend Decisions: Meaning - Types of Dividends – Types of Dividends Policies – Significance of Stable Dividend Policy – Determinants of Dividend Policy; Dividend Theories: Theories of Relevance – Walter’s Model and Gordon’s Model and Theory of Irrelevance – The Miller-Modigliani (MM) Hypothesis - Problems.

References:

1. Financial Management - M.Y.Khan and Jain
2. Financial Management –PrasannaChandra
3. Financial Management - I.M.Pandey
4. Financial Management – Ravi M Kishore
5. Financial Management –Srivatsava
6. Financial Management - Sudarshan Reddy **Note: Latest edition of text books may be used.**

Bachelor of Commerce {(B. Com Logistics (AEDP)} Semester – III
MIS for Logistics

Course Title: MIS for Logistics	Course Code: 25COMLS307
Total Contact Hours: 56	Course Credits: 4
Internal Assessment Marks: 20	Duration of SEE: 3 hours
Semester End Examination Marks: 80	

Pedagogy: Classroom Lectures, Tutorials, Group Discussion, Seminar, Case Studies, Field Work etc.

COURSE OBJECTIVES:

- To develop competencies and knowledge of students to become MIS for logistics professionals
- To orient students in the field of Logistics
- To help Students to understand MIS for Logistics

LEARNING OUTCOMES:

- Students will be able to apply the Basic knowledge of MIS for Logistics in the real-life situation
- This subject will enable them to enhance their ability and professional skills in Logistics

Unit	Description
1	Introduction: IT and management opportunities and challenges-Strategic planning and models – Information management & IT Architecture – IT Architecture & infrastructure, cloud computing and services, Virtualization and Virtual Machines.
2	Database Technology: Data warehouse- Data Mart Technologies- Data and Text mining- Business Intelligence & Analytics, Digital and physical document management. Networks, collaboration & sustainability: Business IT networks & components, communication technologies – Sustainability and Ethical issues - Internal control-Business Control and Auditing.
3	Dissemination of technology information- and strategic planning: Technology choice and evaluation methods –Analysis of alternative technologies – Implementing technology programmes - Intellectual Capital - An introduction to Intellectual Property Right - Patent -Copyrights - Trademarks and other issues.
4	Functional Area & Compliance systems: Management levels and functional systems Enterprise Systems and applications: Enterprise systems, Enterprise Resource Planning (ERP), Supply Chain Management (SCM), Collaborative Planning, Forecasting, and Replenishment system (CPFR), Customer Relationship Management (CRM). Performance Management: Data visualization, Mashups, and Mobile intelligence, Fleet Management Information System.
5	Business Process and Project Management: Architecture & IT design, System development, Software & Applications for management (Business software tools), Support system. ERP modules - sales and Marketing, Accounting, Finance, Materials and Production management etc.

References:

1. Course Material Prepared by LSC
2. KENNETH C. L., JANE P. L., & RAJANISH DASS (2001) Management Information System - Managing the Digital Firm. Pearson Education: New Delhi.
3. RAVI, K., & ANDREW, B. W. Frontiers of Electronic Commerce. Pearson Education: New Delhi.
4. KENNETH, C. L., & JANEP, L. (2001) Essentials of MIS. Prentice Hall India: New Delhi.
5. SADAGOPAN, S. (2003) Management Information System. Prentice Hall India: New Delhi.
6. EFF, O.Z. (2003) Management Information Systems. Vikas Publishing House Pvt. Ltd.: New Delhi.

Note: Latest edition of text books may be used.

Bachelor of Commerce {(B. Com Logistics (AEDP)} Semester – III
Retail Logistics and E-Commerce

Course Title: Retail Logistics and E-Commerce	Course Code: 25COMLS308
Total Contact Hours: 56	Course Credits: 4
Internal Assessment Marks: 20	Duration of SEE: 3 hours
Semester End Examination Marks: 80	

Pedagogy: Classroom Lectures, Tutorials, Group Discussion, Seminar, Case Studies, Field Work etc.

COURSE OBJECTIVES:

- To develop competencies and knowledge of students to become Retail logistics and E-commerce professionals
- To orient students in the field of Logistics
To help Students to understand Retail logistics and E-commerce

LEARNING OUTCOMES:

- Students will be able to apply the basic knowledge of Retail logistics and Ecommerce in the real-life situation
This subject will enable them to enhance their ability and professional skills in Logistics and E commerce

Unit	Description
1	Concept and Scope: Concepts of Retail Logistics and supply chain- Importance of Logistics in these days global Sourcing, Dimension of Logistics: Macro and Micro aspects-Supply chain contours: Backward and forward linkages
2	Logistics and Retail Marketing: Logistics as a Support function of Order Fulfilment, Assembling & Labelling from Multi-storage points and Delivery- Logistics as an interface of Market forecasting, Stock level management and other relevant activities till transportation, preparation for dispatch and outbound documentation and customer facilitation tracking out-bound shipments.
3	Reverse Logistics: Basic of reverse logistics - concept, key activities, coordinating with carriers, route map optimization, collecting pickup and feedback - Types of reverse logistics –Roles and responsibilities -Best practices in reverse logistics
4	E-Commerce: Introduction to E-commerce logistics including delivery and pickup models and the overall logistic setup – Order Processing – Activities in order processing - Types of order processing - - Procedures for generating plans and schedules through MIS
5	Types of Ecommerce: B2B-B2C and intra business. Retail Ecommerce – Retailing through internet, Direct Online Sales model and its types- Business Models for ecommerce. Electronic Payment system, Electronic CRM Applications. E-Security

References:

1. John Fernie & Leigh Sparks, "Logistics and Retail Management: Emerging Issues and New Challenges in the Retail Supply Chain ",Kogan Page 3rd Edition,2009
2. James B. Ayers & Mary Ann Odegaard , "Retail Supply Chain Management "taylor & francis, 2nd edition
3. Mr. Gibson G, "Retail Management: Functional Principles & Practices", Jaico Publishing house, 6th Edition, 2003.
4. Ray, Supply Chain Management For Retailing, TMH, 2010.
5. James B. Ayers, Retail Supply Chain Management, Auerbach Publications, 2007.

Note: Latest edition of text books may be used.

Bachelor of Commerce {(B. Com Logistics (AEDP)} Semester – III
Liner Logistics

Course Title: Liner logistics	Course Code: 25COMLS309
Total Contact Hours: 56	Course Credits: 4
Internal Assessment Marks: 20	Duration of SEE: 3 hours
Semester End Examination Marks: 80	

Pedagogy: Classroom Lectures, Tutorials, Group Discussion, Seminar, Case Studies, Field Work etc.

COURSE OBJECTIVES:

- To develop competencies and knowledge of students to Liner logistics professionals
- To orient students in the field of Logistics
To help Students to understand Liner logistics

LEARNING OUTCOMES:

Students will be able to apply the Basic knowledge of Liner Logistics in the real-life situation
This subject will enable them to enhance their ability and professional skills in Logistics.

Unit	Description
1	Definitions of liner trades; tramp trades: containerization- Unitization - containerization, liner operations, port organization – Vessel loading and discharging, liner trade routes, The major ports, liner service options – Liner trade – ship types – Tonnages; basic ship layout, types of container ships, Ro-Ro barge carrying vessels, The refrigerated cargo ship conventional (Break bulk) vessels future vessel developments, economy of scale, shipboard handling equipment.
2	Cargoes & cargo equipment: Dangerous goods IMO special goods, cargo handlings other methods of lifting cargo port handling equipment, port terminals; port and terminal management; the role of ships officers - agent. Liner Shipping operations - Management and policy, ship management and operations, independent ship management, insurance, trade of commercial department, accounting, budgeting, freight collection and port disbursements agency duties.
3	Containerization unitization and inter-modalism: Growth in world trade unitization; container dimensions, types of container other container expressions container inventory, owning, leasing meeting the demand for containers tracking the container fleet, container control, FCLS LCLS & ICDS, legal & insurance implications in the container trade.
4	The Bill of Lading and other Documentation: The Bill of Lading UK bill of lading Act 1855 and UK carriage of goods by sea Act 1992, The use of Bill of Lading in liner trades, Bill of Lading documentary credits, Bill of Lading clauses The printed clauses – The evidence of the contract, other forms of Bill of Lading other liner documents, Intl conventions relating to Bill of Lading, paperless trading
5	The Exchange of goods transfer: Transfer of funds from country to country, methods of payments in International trade who are the merchants, International contracts of sale INCO terms; Legal aspects of the liner trades – Th carrier insurance the carrier’s liability for the cargo the liabilities of the agent, legal aspects of the Bill of Lading cargo claims general average (GA), security, ISPS code.
<p>References:</p> <ol style="list-style-type: none"> 1. Course Material Prepared by LSC 2. Ship Operation Management, Fujita, N.H. Publisher, 1974. 3. Ship Operation Management, Bertrams Publication, 2010. 4. Handbook of Ship Calculations, Construction and Operation, Charles H. Hughes, Wexford College Press, 2008. 5. Ocean Shipping - Elements of Practical Steamship Operation, Robert Edwards Annin, Thompson Press, 2010. <p>Note: Latest edition of text books may be used.</p>	

Bachelor of Commerce {(B. Com Logistics (AEDP)} Semester – III
Business Communication

Course Title: Business Communication	Course Code:
Total Contact Hours: 30	Course Credits: 2
Internal Assessment Marks: 10	Duration of SEE: 1.5 hours
Semester End Examination Marks: 40	

Pedagogy: Classroom Lectures, Tutorials, Group Discussion, Seminar, Case Studies, Field Work etc.

COURSE OBJECTIVES:

To equip students with necessary business communication skills and use of electronic media for business communication.

Unit	Description
1	Introduction: Nature, Process and Importance of Communication, Types of Communication (verbal and Non-Verbal), Different forms of Communication, Barriers to Communication - Linguistic Barriers, Psychological Barriers, Interpersonal Barriers, Cultural Barriers, Physical Barriers, Organizational Barriers
2	Business Correspondence: Letter Writing, presentation, Inviting quotations, Sending quotations, Placing orders, Inviting tenders, Sales letters, claim and adjustment letters and social correspondence, Memorandum, Inter-office Memo, Notices, Agenda, Minutes, Job application letter, preparing the resume.
3	Report Writing: Identify the types of reports, define the basic format of a report, identify the steps of report writing, writing a report by following the format, importance of including visuals such as tables, diagrams and charts in writing report. Technology and Business Communication: Role, Advantages of technology in Business Communication like email, text messaging, and modern techniques like video conferencing, social networking, Strategic importance of e-communication.
<p>References:</p> <ol style="list-style-type: none"> 1. Communication for Business - Shirley Taylor, Pearson Education 2. Business Communication: Building Critical Skills - Locker and Kaczmarek,, TMH 3. Business Communication Today- Bovee, and Thill, Pearson Education 4. Basic Business Communication Skills for Empowering the Internet Generation - Lesikar, R.V. & Flatley, M.E., Tata McGraw Hill Publishing Company Ltd. New Delhi. <p>Note: Latest edition of text books may be used.</p>	

Bachelor of Commerce {(B. Com Logistics (AEDP))} Curriculum Structure**Semester – IV**

Sl. No.	Course Category	Course Code	Title of the Course	Credits	Teaching Hours per Week			Marks		Duration of Examination
					L	T	P	IA	SEE	
1	LC		Kannada/Indian Language	3	3	--	--	20	80	3
2	LC		English	3	3	--	--	20	80	3
3	DCC	25COMLC404	Human Resource Management	4	4	--	--	20	80	3
4	SEC	25COMLS410	Port Terminal Logistics	4	4	--	--	20	80	3
5	SEC	25COMLS411	Specialization-I	4	4	--	--	20	80	3
6	SEC	25COMLS412	Specialization-II	4	4	--	--	20	80	3
7	MC		Data Spread Sheet	2	2	--	--	10	40	1.5
Total Credits and Marks for the Second Semester				24				130	520	

Bachelor of Commerce {(B. Com Logistics (AEDP)} Semester – IV
Human Resource Management

Course Title: Human Resource Management	Course Code: 25COMLC404
Total Contact Hours: 56	Course Credits: 4
Internal Assessment Marks: 20	Duration of SEE: 3 hours
Semester End Examination Marks: 80	

Pedagogy: Classroom Lectures, Tutorials, Group Discussion, Seminar, Case Studies, Field Work etc.

COURSE OBJECTIVES:

To orient the students with various issues of management of human resources to improve the productivity of business entities.

Unit	Description
1	Human Resource Management: Meaning, definition, Nature and changing scope of HRM, Objectives, Functions and policies of HRM, Role of personnel management, Difference between personnel management and HRM, Role and responsibilities of HR Manger
2	Human Resource Planning (HRP): Meaning, definition, Importance of HRP, Process of HRP, Need for HRP, Forecasting techniques of HRP, requisites for successful HRP.
3	Job Analysis and Design: Utility of Job Analysis, job terminology – Job analysis and Job description. Job evaluation methods and techniques, methods of collecting data for job analysis, potential problems with Job analysis. Job design, factors affecting Job design, techniques of Job design. Methods of Job assessment, work measurement.
4	Recruitment and Selection: Meaning, Definition, steps and source of recruitment, process of recruitment, factors governing recruitment. Selection; selection process, Organization for selection and selection methods, Induction, promotion and Transfer.
5	Management Development: Training and development; Inputs in training development, gaps in training, Importance of training and development. Training process. Career planning and career development; Performance appraisal; Objectives, process, problems, methods & Models of performance management. Issues of HRM.

References:

1. Personnel Management - Memoria
2. Personnel Management - K. Ashwathappa
3. A Hand Book of HRM - M.Armstong
4. Human Resource Management - C.B.Gupta,
5. Human Resource Management - Rao V.S.P
6. Human Behavior @ Work = Organizational Behavior,Keith Davis &Newstrom

Note: Latest edition of text books may be used.

**Bachelor of Commerce {(B. Com Logistics (AEDP)) Semester – IV
Port Terminal Logistics**

Course Title: Port Terminal Logistics	Course Code: 25COMLS410
Total Contact Hours: 56	Course Credits: 4
Internal Assessment Marks: 20	Duration of SEE: 3 hours
Semester End Examination Marks: 80	

Pedagogy: Classroom Lectures, Tutorials, Group Discussion, Seminar, Case Studies, Field Work etc.

COURSE OBJECTIVES:

- To develop competencies and knowledge of students to Port terminals logistics professionals
 - To orient students in the field of Logistics
- To help Students to understand Port terminals logistics

LEARNING OUTCOMES:

Students will be able to apply the Basic knowledge of Port terminals Logistics in the real-life situation
Students will be able to apply the Basic knowledge of Port terminals Logistics in the real-life situation

Unit	Description
1	Difference between Major and Minor Ports: Ports in India - Natural Harbours - New Ports to be developed in India - Major Ports of the World - Largest Port in the world - Port Officials and their roles - Role of Ports - Who are Port users
2	Container Terminals: Privatisation of Terminals - Reason for Privatisation - Major Terminal Operators in India - Terminal Operators of the world - Privatisation the need of the hour - Agreement between and existing Port Terminal and the new operator
3	Import Cycle: Export Cycle - Positions and Places in a Terminal - Facilities in a Terminal - Container Monitoring and stacking - CFS inside a Terminal - Reasons for Congestion of a terminal - de-congesting the terminal – Window system in a terminal.
4	Major Port Trust Act: Port as a custodian of the cargo - Transit sheds - Cargo receivers - Wharfs and Berths - Various berths in a Port - Meaning of Berth Restrictions - Port equipment's and damage - Extra services – Berth reservation scheme
5	Port Tariff: Pilots and their duties - Tugs and its usage - Night navigations - Light Dues - Tariff Authorities of Major Port - Revision of rates - Port Trustees - Safety Procedures - Introduction of ISPS - Damage to Port property by ships - Compensation and confiscation of cargo to adjust dues

References:

1. Course Material Prepared by LSC
2. Major Port Trust Act – Government of India
3. Port Industry Statistics, American Association of Port Authorities
4. AP MOLLOR Guide book on Terminal
5. DUBAI PORT AUTHORITIES Manua

Note: Latest edition of text books may be used.

Bachelor of Commerce {(B. Com Logistics (AEDP)} Semester – IV
Data Spread Sheet

Course Title: Data Spread Sheet	Course Code:
Total Contact Hours: 30	Course Credits: 4
Internal Assessment Marks: 10	Duration of SEE: 1.5 hours
Semester End Examination Marks: 40	

Pedagogy: Classroom Lectures, Tutorials, Group Discussion, Seminar, Case Studies, Field Work etc.

LEARNING OUTCOMES:

- Navigate the MS Excel interface and manage worksheets effectively.
- Input, format, and customize data for business use.
- Use basic and advanced Excel functions for data analysis.
- Perform financial analysis and create data visualizations.

Unit	Description
1	Introduction to MS Excel and Basic Data Handling: Overview of MS Excel interface: Ribbons, menus, and tabs, Basic worksheet management- Creating, saving, and opening work books, Navigating through cells, rows, and columns. Data Entry and Formatting- Basic data entry: Text, numbers, and dates. Cell formatting: Font styles, alignment, borders, and colours. Number formatting: Currency, percentages, dates, and custom formats.
2	Intermediate Data Analysis and Excel Tools: Basic Functions and Formulas: Arithmetic functions: SUM, AVERAGE, MIN, MAX, COUNT and Basic formulas and their usage in business data. Advanced Excel Functions- Logical functions- IF, AND, OR. Pivot Tables and Pivot Charts- , Creating and modifying Pivot Tables for data analysis, Using Pivot Charts to visualize aggregated data, Grouping data in Pivot Tables for detailed insights.
3	Advanced Data Analysis and Reporting in Excel: Financial Analysis Functions- Using financial functions: NPV, IRR, PMT for investment analysis, Calculating loan repayments, future value, and present value. Statistical Analysis- Descriptive statistics: Mean, median, mode, standard deviation. Data Visualization- Introduction to charts: Bar charts, line charts, pie charts, Chart formatting for visual appeal and clarity, Creating simple visualizations for business reports.

References:

- 1 Walkenbach, J. (2018). Excel 2019 Bible: The comprehensive tutorial resource. Wiley.
 - 2 Excel Campus. (2020). Excel formulas and functions: The step-by-step guide to mastering Excel formulas. Excel Campus.
 - 3 Jelen, B., & Alexander, M. (2018). Excel 2019 for business statistics. Pearson.
 - 4 Excel Easy. (n.d.). Excel tutorial: The complete guide. Retrieved from <https://www.excel-easy.com>
 - 5 Tushar, P. (2017). Excel for finance and accounting: A practical guide. McGraw-Hill Education.
 - 6 Chandoo, P. (2021). Excel dashboards and reports: The step-by-step guide. Chandoo.org.
 - 7 Smith, J. D. (2020). Mastering Excel for business analysis. Excel Press.
 - 8 Johnson, A. M. (2019). Practical applications of Excel functions. DataWorld Publishing.
 - 9 Brown, L., & White, P. R. (2021). Advanced Excel techniques for professionals. TechBooks.
 - 10 Excel Solutions. (n.d.). A comprehensive guide to Excel basics. Retrieved from <https://www.excel-solutions.com>
 - 11 Turner, E. J. (2018). Excel for financial analysis and reporting. Finance Press.
 - 12 Lee, C. R. (2022). Data visualization and reporting using Excel. VisualTech Publishing
- Note: Latest edition of text books may be used.**

Bachelor of Commerce {(B. Com Logistics (AEDP))}
Specialisation Module – Group – A – Course I
INTRODUCTION TO AVIATION INDUSTRY & AIRPORT OPERATIONS

Course Title: Introduction to Aviation Industry & Airport Operation	Course Code:
Total Contact Hours: 56	Course Credits: 4
Internal Assessment Marks: 20	Duration of SEE: 3 hours
Semester End Examination Marks: 80	

Pedagogy: Classroom Lectures, Tutorials, Group Discussion, Seminar, Case Studies, Field Work etc.

COURSE OBJECTIVES:

- To develop competencies and knowledge of students to become Aviation Professionals
- To help Students to understand Fundamentals of Aviation Airport Operation

LEARNING OUTCOMES:

- Students will be able to apply the Basic knowledge of Aviation and Airport Operations in the real-life situation
- This subject will enable them to enhance their ability and professional skills in the Aviation Industry & Airport Operations

Unit	Description
1	<p>History of Aviation & Key Organizations in the Aviation Industry</p> <p>a. History of Aviation through the ages-Origins in Greek Mythology- The Wright Brothers- Aviation in the era of World War 1 & 2- Commercial Aircraft Era- Modern Jetliners</p> <p>b. Key Organizations in the Aviation Industry-</p> <ol style="list-style-type: none"> 1. ICAO- International Civil Aviation Organization, 2. IATA - International Air Transport Association 3. MoCA - Ministry of Civil Aviation, 4. DGCA - Directorate General of Civil Aviation 5. AAI- Airports Authority of India, 6. AAICLAS- Airports Authority of India Cargo Logistics Allied Services 7. AERA- Airport Economic Regulatory Authority 8. BCAS- Bureau of Civil Aviation Security
2	<p>Freedoms of the Air & the Airline Business</p> <p>a. Freedoms of the Air- Overview- Nine Freedoms of the Air</p> <p>b. Airline Business</p> <p>Business Models- Legacy, Low Cost, Charter, Regional, Cargo & Hybrid</p> <p>ii Airplane Manufacturers- Primary Manufacturers- Boeing, Airbus and others</p> <p>iii Narrow Body v/s Wide Body- Definition & Features</p> <p>iv The Airline Industry as a Business- Key Functions in the Airline Business</p> <p>v Airline Codeshares & Alliances.</p> <p>Concept, b. Key Benefits, c. Major Airline Alliances</p> <p>vi Airline Cabin Classes- First, Business, Premium Economy & Economy</p>
3	<p>World Geography & Airline Communication Protocol</p> <p>Traffic Conference Areas, Time Zones, Codes- Country, City, Carrier, Currency, Aircraft Registration, Airline Phonetics</p>
4	<p>Airport Operations</p> <p>a. Key Stakeholders, Airport Types, Airport Revenue Sources, Airport Functional Layout- Landside, Governmental Agencies at Airport, Baggage Handling, Airside Operations</p> <p>b. Airport as an Operational System- Infrastructure & Facilities, Airport Operations Control Centre (AOCC), Airport Collaborative Decision Making (ACDM), Key Information Technology Systems at Airports</p>

5	<p>Concessionaire Activities at Airports (terminology restricted to Indian scenario)</p> <p>a. Non-Aero Activities- Retail, Food & Beverage, Real Estate, Car Rentals Car Parking, Currency & Banking Advertising</p> <p>b. Maintenance Repair & Overhaul (MRO)- Types of MRO Models</p> <p>c. Ground Handling</p> <p style="padding-left: 20px;">i Concept,</p> <p style="padding-left: 20px;">ii Self-Handling V/s Outsourced Handling</p> <p style="padding-left: 20px;">iii IATA Standard Ground Handling Agreement</p>
<p>References:</p> <ol style="list-style-type: none"> 1 Course Material Prepared by LSC 2. Airport Operations- Norman Ashford, Pierre Coutu, John Beasley- McGraw-Hill Education; 3rd edition (16 December 2012) 3. Principles of Airport Economics- P.S. Sengupta- Excel Books (1 December 2007) 4. Managing Airports- An International Perspective- Anne Graham-Routledge; 5 edition (June 9, 2018) 5. IATA Airport Handling Manual- 40th edition- Year of Publication- 2020 6. IATA Ground Operations Manual- 9th edition- Year of Publication- 2020 <p>Note: Latest edition of text books may be used.</p>	

Bachelor of Commerce {(B. Com Logistics (AEDP))}
Specialisation Module – Group B - Course I
FIRST MILE OPERATIONS

Course Title: First Mile Operation	Course Code:
Total Contact Hours: 56	Course Credits: 4
Internal Assessment Marks: 20	Duration of SEE: 3 hours
Semester End Examination Marks: 80	

Pedagogy: Classroom Lectures, Tutorials, Group Discussion, Seminar, Case Studies, Field Work etc.

COURSE OBJECTIVES:

To understand the First Mile operational processes in e-commerce logistics.

LEARNING OUTCOMES:

- Basics of First Mile operations.
- Shipment pickup operations.
- Different types of shipment processing operations at Processing Centres
- Layout of a Processing Centre.
- Key challenges in First Mile operations and First Mile metrics.

Unit	Description
1	Role of First Mile in E-Commerce Logistics: Difference between First Mile, Line Haul and Last Mile operations. -First Mile Operations - Overview. -Why is First Mile operations important in e-commerce logistics-First Mile process flow.
2	Shipment Pickup Operations: Shipment pickup process. -Pickup operations staff - roles and responsibilities. -Pickup coordination. -Safety and security of shipments during pickup-Pickup documentation.
3	Shipment Processing Operations: Primary and secondary processing. -Bagging operations. -Manual processing operations-Automated processing operations
4	Layout of A Processing Centre Inbound operations: Processing Operations-Outbound Operations-Safety and security-Processing Centre staff - roles and responsibilities
5	First Mile Analytics and Metrics: Productivity-Pickup operations metrics-Processing operations metrics-First Mile dashboard. Tools and Application Pickup tools and applications-Processing tools and applications-Exceptions in First Mile and impact on operations Tools and communication to resolve exceptions.

References:

1 Course Material Prepared by LSC

Note: Latest edition of text books may be used.

Bachelor of Commerce {(B. Com Logistics (AEDP))}
Specialisation Module – Group C - Course I
PRINCIPLES & PRACTICES OF TOURISM

Course Title: Principles & Practice of Tourism	Course Code:
Total Contact Hours: 56	Course Credits: 4
Internal Assessment Marks: 20	Duration of SEE: 3 hours
Semester End Examination Marks: 80	

Pedagogy: Classroom Lectures, Tutorials, Group Discussion, Seminar, Case Studies, Field Work etc.

COURSE OBJECTIVES:

- Understand the fundamentals of the Tourism industry and its development in India.
- Develop insights on the difference between International and National Industry.
- Knowhow on Tourism in India through Surface transportation.
- Impart knowledge on new trends in Tourism.

LEARNING OUTCOMES:

- To develop an understanding of the nature of tourism in India
- Throw light on an initiative by Government and Railways to promote tourism.
- To understand different modes and package tours by Travel
- Agencies and to learn how to develop packages.

Recent trends of tourism and Infrastructure including Hotels

Unit	Description
1	Basics of Tourism: History & Growth-Tourism & Economy, Multiplier Effect-Principles, Components & Types of Tourism – Service Industry, Passenger Transportation. Travel Agencies
2	Domestic & International Tourism: Tourism Policy & Initiatives of Govt – Dept of Tourism, ITDC, IRCTC Etc-Inbound & Outbound Tourism – Segmentation, Bookings, Package Tours-Travel Agencies, Destinations & Infrastructure – Ratings
3	Tourism: Road-Road Infrastructure – Connectivity to destinations, Quadrangle, Highways, Bharatmala Project-Road Vehicles – Cabs, Minibuses, luxury buses, Double deck sleeper. Regulations-Single point. Multiple destinations, Group booking, Cluster approach.
4	Tourism by Rail-Infrastructure: Rail destination. Toy trains to Hills – Shimla, Darjeeling, Ooty – Last mile connectivity-Railway Initiatives – Rail Yatrik Niwas at stations, Budget hotels. Online bookings, Tourist lounges. Bookings – Group ticket, package tours, circular journey ticket etc.-Tourist trains – Palace on Wheels, Maharaja, Deccan Odyssey, Rail package tours, Coach Bookings itinerary.
5	Trends in Tourism: Sustainable tourism – Ecological & environmental issues-Heritage, Religious, Medical, Leisure Conferences Tourism, Destination weddings-New destinations- Statue of Unity, Akshardham, Winter tourism etc.

References:

1 Course Material Prepared by LSC

Note: Latest edition of text books may be used.

Bachelor of Commerce {(B. Com Logistics (AEDP))}
Specialisation Module – Group A - Course II
INTRODUCTION TO AIR CARGO INDUSTRY

Course Title: Introduction To Air Cargo Industry	Course Code:
Total Contact Hours: 56	Course Credits: 4
Internal Assessment Marks: 20	Duration of SEE: 3 hours
Semester End Examination Marks: 80	

Pedagogy: Classroom Lectures, Tutorials, Group Discussion, Seminar, Case Studies, Field Work etc.

COURSE OBJECTIVES:

- To develop competencies and knowledge of students to become Air Cargo Professionals
- To help Students to understand Fundamentals of Air Cargo Industry

LEARNING OUTCOMES:

- Students will be able to apply the Basic knowledge of Air Cargo Industry in the real-life situation
- This subject will enable them to enhance their ability and skills in the Air Cargo Industry

Unit	Description
1	History of Air Cargo & Multi Modal forms of Transport a. History of Air Cargo & Mail, Air Freight, Air Express, Overnight Air Express & Air Mail b. Other Multi Modal forms of Transport- Rail, Sea & Surface Transport- Key Concepts
2	Key Organizations Facilitating Air Cargo: International Air Transport Association (IATA), International Civil Aviation Organization (ICAO), International Federation of Freight Forwarders Association (FIATA), The International Air Cargo Association (TIACA)
3	Air Cargo Business Models Freighters, Charters, Integrators, Combination Carriers, Systems), Couriers, E-commerce, Postal mail a. Key Concepts- Brief Introduction to the Business Models b. Impact of various Business Models in relation to geography, size and scope
4	Key Stakeholders & Key Terminologies a. Key Stakeholders- Airports, Airlines (Direct), Airlines through General Sales Agents (GSA) or General Sales & Service Agents (GSSA), Shippers, Freight Forwarders, Custom Brokers, Consolidators, Trucking b. Key Terminologies & Abbreviations.
5	Training & Development in Air Cargo Industry a. Importance of Training in the Aviation & Cargo Industry b. Areas of Training in the Air Cargo Industry c. Key Organizations facilitating Training & Development in the Aviation & Air Cargo Industry.

References:

1. Course Material Prepared by LSC
2. Air Cargo Management- Air Freight and The Global Supply Chain- Michael Sales- Routledge (2016)
3. Air Cargo and Logistics - Classics and Contemporary practice by Rico Merket and Jackie Walters- Academic Publishers (01 June, 2019)
4. Moving Boxes by Air - The Economics of International Air Cargo by Peter S. Morrell and Thomas Klein - Routledge; 2 edition (19 October 2018)

Note: Latest edition of text books may be used.

Bachelor of Commerce {(B. Com Logistics (AEDP))}
Specialisation Module – Group B - Course II
LAST MILE OPERATIONS

Course Title: Last Mile Operations	Course Code:
Total Contact Hours: 56	Course Credits: 4
Internal Assessment Marks: 20	Duration of SEE: 3 hours
Semester End Examination Marks: 80	

Pedagogy: Classroom Lectures, Tutorials, Group Discussion, Seminar, Case Studies, Field Work etc.

COURSE OBJECTIVES:

- To understand Last Mile Operations in E-Commerce

LEARNING OUTCOMES:

- Understand the basics concept of Last mile logistics in E-Commerce
- Understand the processes involved in Last mile logistics
- Understand various metrics and customer services processes to be followed in last mile logistics
- Explain the prospects of last mile logistic

Unit	Description
1	Introduction 1.1 What is Last Mile in Ecommerce? 1.2 Importance of Last Mile in the supply chain 1.3 Last Mile Delivery challenges for ecommerce 1.4 Trends in Last Mile delivery 1.5 Route optimization in Last Mile operations
2	Last Mile Processes 2.1 Delivery Process & its challenges 2.2 Reverse pickup process in Last mile operations 2.3 Challenges in Reverse Pickup process 2.4 Tools and applications in Last Mile operations 2.5 Considerations for effective last mile logistics strategy
3	Metrics 3.1 Metrics to measure in last file 3.2 Automation and technology driving metrics.
4	Customer service 4.1 Customer service and its importance 4.2 Good and bad customer service (Dos and Don'ts of customer service) 4.3 Relationship between metrics and customer service.
5	Prospects of Last Mile Logistics- 5Hrs 5.1 Innovations in Last Mile Logistics 5.2 Technology Trends in Last Mile Delivery 5.3 Last Mile Delivery Market Future Prospects
References: 1. Course Material Prepared by LSC	
Note: Latest edition of text books may be used.	

Bachelor of Commerce {(B. Com Logistics (AEDP))}
Specialisation Module – Group C - Course II
COMMERCIAL ASPECTS OF TRANSPORTATION

Course Title: Commercial Aspects of Transportation	Course Code:
Total Contact Hours: 56	Course Credits: 4
Internal Assessment Marks: 20	Duration of SEE: 3 hours
Semester End Examination Marks: 80	

Pedagogy: Classroom Lectures, Tutorials, Group Discussion, Seminar, Case Studies, Field Work etc.

COURSE OBJECTIVES:

- To high light vital part of commercial considerations in providing transport services for Freight and Passengers movement.
- To Understand the importance and need for marketing an strategies involved.
- To Describe the principles in fixing Railway Freight and Rates
- To evaluate Competition in rates of Road and Rail mode of transportation.

LEARNING OUTCOMES:

- Develop a clear perspective of various commercial aspects in transportation
- Distinguish between the Operational feasibility of a work and its commercial viability
- Know the issues involved in booking and reservation of passengers,
- Know the various types of costs involved and understand the concept of service vs value of service

Unit	Description
1	Commercial Aspects in Transportation: A Perspective-Role and importance of Commercial Aspects, relative strengths of rail vs road-Concept of commercial viability vis a vis operational feasibility-Issues/functions included in the commercial aspects, organisational set up to handle these
2	Commercial Aspects involving Passenger transportation: Passenger Services on Indian Railways; Booking and Reservation of passengers, Various class of services, types of tickets, concessions etc-Passengers Services in Road Sector, A state subject- differences from State to state-Supplementary and related services such luggage, parcel, refunds, catering etc.
3	Commercial Aspects involving Goods / Freight transportation: Different components of freight traffic, Booking and delivery of freight traffic on Railways, Demurrage and Wharfage, sidings-Booking and delivery of goods in roadways, agencies involved and their role-Claims and liabilities, Organisational set-up and procedure for Claims' compensation,
4	Pricing of Transport: Basic consideration in pricing; Different type of costs involved in computing price, Relativity index of passenger fares in Indian Railways; surcharges and discounts-Principles of classification and Rate fixation and routing of traffic-Cost of service vs value of service, Cross subsidisation etc
5	Marketing Strategies for Commercial growth : Need for marketing, Rail vs Road: Complementary and no competitive role, High profit yielding commodities-Incentive schemes, IT-enabled user-friendly solutions for Booking, payment, tracking consignments and trains, Passenger movement – PRS, etc-Future trends: technology induce improvements in various aspects of commercial working
References:	
1. Course Material Prepared by LSC	
Note: Latest edition of text books may be used.	

Bachelor of Commerce {(B. Com Logistics (AEDP)) -V

1.Allied Courses – MOOC - I

EXPORT AND IMPORT DOCUMENTATION

Course Title: Export and Import Documentation	Course Code:
Total Contact Hours: 56	Course Credits: 4
Internal Assessment Marks: 20	Duration of SEE: 3 Hrs
Semester End Examination Marks: 80	

Pedagogy: Classroom Lectures, Tutorials, Group Discussion, Seminar, Case Studies, Field Work etc.

COURSE OBJECTIVES

To familiarize the student with the basic concept of formalities for export trade, and the documentation process required for import and export.

LEARNING OUTCOMES:

- Recognize the impact of information and communication technologies, especially of the internet in business operations.
- Recognize the fundamental principles of eBusiness and e-Commerce.
- Explain the security protocols and the issues in internet security.

Unit	Description
1	Introduction to Export and Import 12 Hrs Basics of Exports: Classification of goods - Preparation for Exports - Methods of Exporting - Export Marketing Organizations - Functions - Registration formalities IEC Number - Procedure of obtaining IEC Number - RCMC (Registration Cum Membership Certificate) –Export Credit Guarantee Council (ECGC) - Application for import and export of restricted items.
2	Documentation Framework and Contracts 15 Hrs Aligned Documentation System: Commercial Documents - Auxiliary Commercial Documents - Regulatory Documents - Documents related to goods - Documents related to Shipment - Documents related to Payments - Documents related to Inspection - Documents related to Excisable Goods - Types of Contracts - Export Contracts.
3	Payments and Finance 15 Hrs Factors: Methods of receiving Payment - Instruments of Payments- Letter of Credit Pre-shipment Finance - Post-shipment Finance - Post-shipment Credit in Foreign Currency - Negotiation of documents with bank - CENVAT - Duty Draw back
4	Quality Control and Clearance of Cargo 15Hrs Objective of Quality Control: Methods- Procedure for Pre-shipment Inspection - Role of Clearing and Forwarding Agents – Role of Inspection Agents-Clearance of Cargo Central Excise Clearance Procedure - Central Excise Clearance Option - Shipment of Export Cargo.
5	Customs Clearance, Risk and Insurance Policy 15 Hrs Customs Clearance of Export Cargo: Customs Clearance o Import Cargo - Risk: Types- Types of cover issued by ECGC - Cargo Insurance. Processing of an export order – Major laws governing export contract.

References:

1. RAMA, GOPAL C. (2008) Export Import Procedures Documentation and Logistics. New Age International Publishers: New Delhi.
2. KHUSHPAT, S. J. (2013) Export Import Procedures and Documentation. Himalaya Publishing House: New Delhi.
3. PAWAN, KUMAR (2001) Export of India's Major Products Problems and Prospects. New Century Publications: New Delhi.
4. KAPOOR, D. C. (2002) Export Management. Vikas Publications: New Delhi.
5. CHERUNILAM, F. (2004) International Trade and Export Management. Himalaya

Publications: New Delhi.

Websites:

1. www.cbec.gov.in/customs/cs-act/cs-act-idx.htm (Central Board of Excise and Customs- Customs Act, 1962, Customs Tariff Act – 1975, Other Acts)
2. www.epckeny.org/(Export Promotion Council)
3. commerce.nic.in/MOC/index.asp (Ministry of Commerce and Industry)
4. www.dgft.gov.in/(Directorate General of Foreign Trade)

Note: Latest edition of text books may be used.

Bachelor of Commerce {(B. Com Logistics (AEDP)} -V
2.Allied Courses – MOOC - II
INLAND WATERWAYS & COASTAL SHIPPING

Course Title: Inland and Waterways & Coastal Shipping	Course Code:
Total Contact Hours: 56	Course Credits: 4
Internal Assessment Marks: 20	Duration of SEE: 3 Hrs
Semester End Examination Marks: 80	

Pedagogy: Classroom Lectures, Tutorials, Group Discussion, Seminar, Case Studies, Field Work etc.

COURSE OBJECTIVES

To familiarize the student with the basic concept of Inland water ways and coastal shipping, their importance and future development of Indian water ways

LEARNING OUTCOMES:

- Recognize the impact of Inland water ways and coastal shipping
- Recognize the importance and future development of Indian water ways.

Unit	Description
1	Basics of shipping: Introduction for shipping - Types of ship-sizes of ship – Basic terminology of ships-Sea transport and its importance- Roll of ports in sea transport - Coastal shipping and its importance.
2	Inland waterways: Introduction –Scope –Sources (lakes, Rivers, Canals, Back water, creeks, water courses inlets and bays)-Working principles -Impact - Inland waterways in India: locations
3	Roll and importance of inland waterways: Infrastructure facility required - Roll and importance of inland water ways in transportation- Transportation through creeks
4	Inland waterways: Road connectivity – Availability of cargo (scarcity)-Navigation (night navigation)-Draft restriction.
5	Inland water ways in other countries: Bangladesh – China - Vietnam - Europe Inland water ways in India: Network in India –upcoming inland waterways – Inland waterways authority – Government policies on inland waterway – National waterways Act.

References:

1. Course Material Prepared by LSC
2. Inland Waterway Transport: Challenges and prospects(Routledge Studies in Transport Analysis) Hardcover – Import, 12 Jul 2016 by Bart Wiegmans (Editor), Rob Konings (Editor)
3. Inland waterways Transportation (IWT) in India – Machiraju presentation Pvt ltd.

Note: Latest edition of text books may be used.

Bachelor of Commerce {(B. Com Logistics (AEDP)) -VI
1.Allied Courses – MOOC - I
COURIER, EXPRESS & PARCEL SERVICES

Course Title: Courier, Express & Parcel Services	Course Code:
Total Contact Hours: 56	Course Credits: 4
Internal Assessment Marks: 20	Duration of SEE: 3Hrs
Semester End Examination Marks: 80	

Pedagogy: Classroom Lectures, Tutorials, Group Discussion, Seminar, Case Studies, Field Work etc.

COURSE OBJECTIVES

- To develop competencies and knowledge of students to become Courier and Express Professionals
- To orient students in the field of Courier and Express
- To help Students to understand Courier and Express

LEARNING OUTCOMES:

- Students will be able to apply the Basic knowledge of Courier and Express in the real-life situation
- This subject will enable them to enhance their ability an professional skills

Unit	Description
1	Types of consignments for shipment: Information on labels and handling instructions - consignee locations- consignments and destinations- consignment shipment operations – (loading, handling, scheduling and documentation) - Special instructions for safe handling of fragile consignments
2	Customer declarations: verification of customer declarations and consignment package - Clarification procedure in case of discrepancies noticed - Generation of bill of lading /shipping bill for export consignments – Coordination for import/export consignments clearance
3	Hub-Spoke Operations & Inbound and Outbound activities: Introduction – Hub spoke activities inbound and outbound activities. Types of consignments coming in the hub-spoke - layout of the hub-spoke - Areas to receive, sort and inspect - Documentation activities in hub-spoke - Inspection process of inbound sorted and outbound consignments
4	Tracking and tracing: AWB –essential time of arrival delivery - Last mile delivery – LMD -First mile delivery
5	Customer satisfaction: quality, delivery time, costs (shortest cost, loss prevention) - Weightment rate, cube scan –diversions/LBW/Volumetric density of cargo
<p>References:</p> <ol style="list-style-type: none"> 1. Course Material Prepared by LSC 2. Logistics and Supply chain management – Martin Christopher 3. Basics of Distribution Management; A Logistical Approach Prentice HALL of India - Kapoor Sathish 4. Ware house management and Inventory control - Vikas Publication House <p>Note: Latest edition of text books may be used.</p>	

Bachelor of Commerce {(B. Com Logistics (AEDP)) -VI
2.Allied Courses – MOOC - II
MULTI-MODAL TRANSPORTATION

Course Title: Multi-Model Transportation	Course Code:
Total Contact Hours: 56	Course Credits: 4
Internal Assessment Marks: 20	Duration of SEE: 3Hrs
Semester End Examination Marks: 80	

Pedagogy: Classroom Lectures, Tutorials, Group Discussion, Seminar, Case Studies, Field Work etc.

COURSE OBJECTIVES

- Introduce Multi-modal and Intermodal Transport concepts.
- Explain Regulatory framework and policies for Multi-modal transportation.
- Describe Indian Railways’ initiatives to promote Multimodal Logistics in India.
- Overview evolution of infrastructure facilitating Multimodal Logistics in India.

LEARNING OUTCOMES:

- The importance and role played by Multi-modal transport in the efficient and cost-effective movement of cargo
- Types of multi-modal movement and the role of containerisation for security and speed
- The provisions and procedures for Exim trade and INCOTERMS
- Indian Government’s policies and vision R for development of seamless multi-modal transport.

Unit	Description
1	Transportation Systems & Multi modal Transport: Concept of Multi modal & Intermodal Transport – introduction to Multi modal transport, the difference between Multi modal and Inter modal transport- Type of transport Modes – detail and characteristics of air, road, rail, water, pipelines, package carriers- Need, Aim and Key Issues of Multi modal transport.
2	How to organise Multi modal transport: Role of Containerisation in MMT- history, utility, types, ease of handling, cost saving-Types of Multi modal transport – combined container transport, rolling Road & forwarding of trailers, RORO & LASH transportation-National Multi modal Transport Committee (NMTC) and Logistics Policy of India – key features and importance
3	Multi modal Transportation Act & Procedures-MMTG Act of 1993: Custom procedures for Export & Import - Bill Of Lading – Hague Rules, Visby Rules, Hamburg Rules, Voyage by Sea-INCOTERMS – meaning, explanation, list, and types
4	MMT and Indian Railways: PFT Policy – maintenance of rolling stock, cargo handling, customs, etc- Warehousing Policy – stuffing, de-stuffing, stacking, use of MHE, etc-Layout and design of Multi modal Logistics parks
5	Multi modal transport & Practice Today: India’s growing conflict between Trade & transport – issues, policy, problems & pricing-Integrated Transport – Bharatmala, Sagarmala, IWT, DFC, the concept of ICP (International Check Posts-Scenario in India and neighbouring countries with a case study
References: 1. Course Material Prepared by LSC	
Note: Latest edition of text books may be used.	

**Question Paper Pattern for all Discipline Specific Core Courses
(DSCs) & Skill Enhancement Courses (SEC)**

SECTION – A

This Section consists of One Question (Question No. 1) comprising of twelve sub-questions (a to l). The student has to answer ten sub-questions. Each sub-question carries two marks (i.e., $10 \times 2 = 20$ marks).

SECTION – B

This Section consists of Five Questions (Question No. 2 to 6). There shall be three numerical questions in case of quantitative papers. The student has to answer three questions. Each question carries five marks (i.e., $3 \times 5 = 15$ marks).

SECTION – C

This Section consists of Five Questions (Question No. 7 to 11). There shall be three numerical questions in case of quantitative papers. The student has to answer three questions. Each question carries fifteen marks (i.e., $3 \times 15 = 45$ marks)