

MBAS 521: TRANSPORTATION MANAGEMENT

Workload	: 4 hours per week. - Total credits: 4
Examination	: 3 hours, 30 marks continuous evaluation and 70 marks final examination
Objectives	<ol style="list-style-type: none">1. To describe the role and Importance of Transportation in the economy.2. To study the transport regulation.3. To describe the Costing and Pricing for Transportation.4. To describe different transportation modes.5. To study the Third, fourth and fifth Party Logistics.6. To study the Transportation Risk Management7. To study the Emerging trends in transportation and logistics
Course Outcome	After completion of the course the students will be able to: <ol style="list-style-type: none">1. Analyze critical thinking strategies in the context of transportation management.2. Demonstrate the technological factors of logistics and transportation.3. Utilize data and information to make strategic transportation decisions.4. Develop and implement freight transportation strategies for effective supply chain operations.5. Effectively resolve problems in transportation and supply chain management.6. Able to choose right transportation mode.7. Able to manage transportation risk management.
Pedagogy	: Lectures, assignments, practical exercises, discussions, seminars.

Module 1: The role and Importance of Transportation in the economy: The role and Importance of effective transport system, principles of transportation function, objectives and functions of modern transport system – relationship of transportation to other business functions.

Module 1: Transportation Regulations : Motor Vehicle Act: Short titles & definitions, Laws governing to use of motor vehicle & vehicle transport, Licensing of drivers & conductors, Registration of vehicle, State & interstate permits, Traffic rules, Signals & controls, Accidents, Causes & analysis, Liabilities & preventive measures, Responsibility of driver, Public & public authorities, Offences, penalties & procedures. Rules regarding construction of motor vehicles

Module 1: Costing and Pricing for Transportation: Transportation costs, factors influencing transportation costs, various pricing methods.

Module 2: Modes of transportation: Marine transportation, Air Transportation, Road Transportation, Rail transport, Pipelines – Importance, advantages and disadvantages. Port, Harbour, Docks and Terminals, Factors to consider when choosing mode of transport

Module 3: Vehicle Routing and Scheduling: Principles of good routing and scheduling, Methods for routing and scheduling, Route sequencing. The case of “Mumbai Dabbawalas” as a successful same day delivery network

Module 4: Containerization: Genesis, Concept, Classification, Benefits and Constraints;

International Air Transport; Air Cargo Tariff Structure; Freight: Definition, Rate; Freight Structure and Practice

Module 5: Third, fourth and fifth Party Logistics: Courier partners, trucking companies, Shipping companies, Indian Railways, pipeline operators.

Module 6: Transportation Risk Management: Insurance significance, types & principles, Perils & Hazards, Risks associated with transportation, Claim settlement.

Module 7: Emerging trends in transportation and logistics:The Role of IT in Transportation - location systems, Geographic information Systems.; Ro-Ro, Cross Docking, Block Chains, Automation – Self Driving trucks, Drone Delivery.

Reference Books:

1. Motor Vehicle Act - Govt. of India Publications.
2. Santosh Sharma, "Productivity in Road Transport", 2nd Edition, Association of State Road Transport Undertakings, New Delhi.
3. P.G.Patankar, "Road Passenger Transport in India", CIRT, Pune.
4. "Transport Development in India", S. Chand & Co. Pvt. Ltd., New Delhi.
5. SL Ganapathi, SK Nandi - Logistics Management
6. Ronald H Ballou, Samir K Srivastava - Business logistics/ supply chain management
7. Upendra Kachru, Exploring supply chain
8. Donald J. Bowersox, David J closs – Logistical Management
9. Logistics Management by Reji Ismail, Excel books, New Delhi
10. Transportation Management (Paperback) by Prof. S.K. Sarangi, Himalaya Publishing House
11. Global Cargo Management: Concept, Typology, Law and Policy, PremnathDhar, Kanishka Publication
12. Sunil Chopra, Peter Meindl, Supply Chain Management: Strategy, Planning, and Operation, Pearson, 2010.
13. Michael B Stroh, Practical Guide to Transportation and Logistics, Logistics Network, 2006.
14. Alan Rushton, John Oxley, Handbook of Logistics & Distribution Management, Kogan Page Publishers, 2000.
