

Gautam Buddha University, Greater Noida

School of Engineering (Mechanical Engineering)

Degree	Course Name	Course Code	Marks:100
M. Tech.	Logistic Management	MEI 512	SM+MT+ET 25+25+50
Semester	Credits	L-T-P	Exam.
II	3	3-0-0	3 Hours

Unit - I

Introduction to Logistics Management: Mission of logistics; Logistical activities; Integrated logistics; Operating objectives of logistics; Logistical performance cycles; Structure of marketing channels; Marketing channel relationships; Economics of distribution. **(08 Hours)**

Unit - II

Logistical Resources: Transportation infrastructure: Transportation functionality and principles; Modal characteristics; Modal classification; transportation formats; Suppliers of transportation services.

Transportation management; Basic transport economics and pricing; Transport documentation. **(08 Hours)**

Unit - III

Information: Information functionality and principles; Information architecture; Applications of new information technologies

Warehouse management; Storage functionality and principles; Developing the warehouse resource. **(07 Hours)**

Unit - IV

Logistics System Design: Logistics location structure; Warehouse location patterns; Transportation economies; Inventory economies; Formulating logistical strategy.

Planning and design methodology; Problem definition and planning; Data collection and analysis; Recommendations and implementation. **(07 Hours)**

Unit - V

Logistics Administration: Organization; Stages of functional aggregation; Issues and challenges; Management of alliances.

Planning; Costing and pricing; Operations and planning; Logistical design metrics; Pricing. **(08 Hours)**

Unit - VI

Performance Measurement and Reporting: Logistical measurement; Characteristics of an ideal measurement system; Levels of measurement and information flow; Report structures. **(07 Hours)**

Recommended Books:

1. Logistical Management; Donald J. Bowersox and David J. Closs; Tata McGraw Hill.
2. Logistics and Supply Chain Management; Martin Christopher; Financial Times Series.
3. Logistics and Supply Chain Management; Raghuram and Rangaraj; Macmillan.