

GUJARAT UNIVERSITY
SYLLABUS FOR --- TY B.COM.

SEMESTER V

Subject Code: CE 301 G

NAME OF THE COURSE: BASICS OF LOGISTICS MANAGEMENT

Objectives:

Introduce principles and approaches to enhance knowledge and experience in management decision-making in business logistics.

Number of credits: 3

Lectures per week: 3 of one hour each

Total sessions: 45

Unit	Weightage
Unit I	25%
Unit II	25%
Unit III	25%
Unit IV	25%
Total	100%

Unit I

Introduction to Logistics

Introduction to logistics management-Definition, scope, functions, objectives -Integrated logistics management, Logistics & customer service

Unit II

Inventory and related models

Inventory planning, inventory costs, classifying inventory, Nature & importance of warehousing, types of warehouses, warehousing functions, warehouse layout & design. Material handling- objectives, guidelines & principles, selection of material handling equipments. Packaging-role of packaging, packaging materials, consumer & industrial packaging, material handling efficiency

Unit III

The Total Transportation Concept

Transportation- role of transportation in logistics, transportation selection decision, basic modes of transportation- Rail, Road, Water, Air, Pipeline- characteristics of different modes- transport economics - Inter modal operations, Containerization-concept, types, benefits, Types of carriers- indirect & special carriers, Role of intermediaries- shipping agents, brokers- freight management- route planning Role of ports, ICDs, CONCOR - Global shipping options

Unit IV

Study and application of logistics

Role of logistics in competitive strategy, Logistics organization & performance measurement

Introduction to supply chain – Role of Logistics in supply chain

Reverse logistics- scope, design, e-logistics- logistics information system-application of IT in logistics- automatic identification technologies- bar coding, RFID, Logistics outsourcing- 3PL & 4PL, Global logistics- operational & strategic issues

Reference:

1. Logistics Management, Ailawadi C Sathish & Rakesh Singh, , PHI, 2005
2. Textbook of Logistics & Supply Chain Management, Agrawal D K, MacmillanIndia Ltd, 2003
3. Logistical Management- The Integrated Supply Chain Process, Bowersox Donald J, TMH, 2000

