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

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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