

Logistics Management

SM630

Program	MBA (P/E/Ex.) /MS Supply Chain
Credit Hours	3
Duration	15 Weeks / 15 sessions
Prerequisites	Operations Management

CAPSULE STATEMENT

Logistics management entails a wide variety of activities that have a significant influence on customer service, including materials handling, warehousing, facility location analysis, packaging, parts, service support, vehicle routing, scheduling and various modes of transportation.

- Do you know the increasing importance of logistics is because:
 - It is a major cost element for most types of companies.
 - It is highest value added process that's integrated with other business processes of an enterprise.
 - Effective logistics is becoming a key to winning customers.

The most exclusive course designed to study issues in inbound and outbound LOGISTICS of a supply chain. What product do we need to deliver, to whom, when, and by what time? How can we plan and coordinate the movements of all these activities to meet timelines? Can we seek the most cost-effective mode of transportation or speed is most critical.

An integrative course designed to study contemporary problems and issues in LOGISTICS part of supply chain management.

To know more about how network flow of distribution and supply is connected to the standard processes of planning, production, purchasing etc. and why it is a necessary part of supply chain, Logistics Management is the subject one should be interested in.

LEARNING OBJECTIVES

The purpose of the course is to provide the students with ability to:

- Successfully manage today’s complex logistical environments of production or service industries.
- Understand various logistical activities like material handling, vehicle routing, transportation, packaging and warehousing.
- The key levers that control the performance of these logistical processes.
- Learn strategies in managing logistics of an organization.

LEARNING METHODOLOGY

A cross-functional approach is utilized to teach students how to manage fundamental logistics processes involved in the entire supply chain.

Using a mix of case studies, famous articles on logistics management & practical examples of various companies using the state of the art concept at corporate level, the course will emphasize the concepts underlying effective logistics management, providing a flavor for the challenges facing logistics managers. Within this hierarchical decision framework, we will address the important performance indicators that directly affect the performance of any value chain.

Tests / Quizzes and strong class participation will be an important part of total %age.

ASSESSMENT CRITERIA & WEIGHTAGE

Quiz / tests	15%
Case Studies	15%
Class participation	15%
Mid-Term Test	20%
Final Exam	35%

RECOMMENDED TEXT BOOKS

- 1- Business Logistics & Supply chain management by Ronald H. Ballou, (5e.) Prentice Hall
- 2- Class notes

ADDITIONAL TEXT BOOKS

- 3- *Logistics and supply chain management* by Martin Christopher, (2nd Ed.), Prentice Hall
- 4- *Supply chain logistics management* by Bowersox, (2nd Ed.), McGraw Hill publishers.
- 5- *Lean Logistics, The nuts and bolts of delivering materials and goods* by Michael Baudin, Productivity press, 2004

LOGISTICS MANAGEMENT (MBA-P/E/Ex./MS Supply Chain)

Lectures

Topics

1	Introduction to Logistics Management, scope and competitive advantages, definitions, examples and functions
2	Interfaces with the departments, Logistical activities, customer services dimensions
3	Concept of material handling, essentials of material handling
4	Material handling equipments
5	First Case Presentations
6	Modes of transportation, Inter-modal transportation, LTL shippers
7	Vehicle routing and scheduling, sweeping and saving methods,
8	Second Case Presentations
9	Mid term exam
10	Concept of packaging, Warehouse management
11	Third party logistics providers, 3PL strategy
12	Radio frequency identifications, examples, logistical applications and demonstrations
13	Third Case Presentation
14	Logistical information system, network integration
15	Global logistics, Reverse logistics, Performance measurement
End term exam	

CLASS POLICY

Participation:

1. Students are expected to come prepared by going through the last sessions held and participate fully in the class.
2. The participation may be voluntary, or a student may be called upon to respond to a particular question.
3. Any student not actively participating could seriously damage his/her sessional marks.

Attendance:

1. Students are expected to attend the classes regularly.
2. Any student who fails to attend a session will be marked ABSENT.
3. In case of high no. of absences i.e. 2 or 3 the student's class participation would be affected.
4. In case of **more than 3** ABSENTS, student would be dropped from the course.

Case studies:

1. No. of case analysis sessions would be conducted in the class.
2. The format would be a formal power point presentation by every member of the group.
3. Students will not only analyze the case and the situation but also at the end would give their own suggestions.
4. Students would be graded on their individual performances as well as their group performances
5. A written report of the case analysis would also be submitted by the students.
6. No make-up cases will be given

Quizzes:

1. From a total of (n) quizzes, best (n -2) quizzes may be considered for the final grade.
2. No make-up quizzes will be given.

And:

1. Dress code policy should be strictly followed.