



Kot Bhalwal, Jammu



Model Institute of Engineering  
& Technology (Autonomous)  
Course Handout

## COURSE HANDOUT

Logistics & Supply Chain Management (BBAMJ - 404)

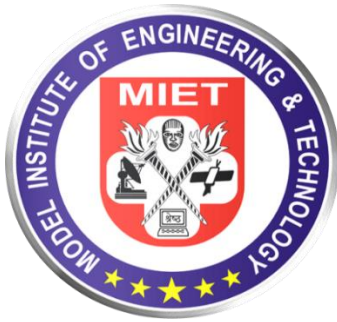
BBA - 4<sup>TH</sup> SEMESTER

ACADEMIC YEAR (2023-24)

**Shivani Kanaria**

Assistant Professor

School of Management - UG



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Model Institute of Engineering & Technology (Autonomous)

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[www.mietjmu.in](http://www.mietjmu.in)



Dr. Arun K. Gupta Teaching-Learning Centre

Version 1.1



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Course Code	Course Name	Course Type	Cd	L	T	P	Marks		
							Sessional	Final Exam	Total
BBAMJ - 404	Logistics & Supply Chain Management	Major	4	5	0	0	40	60	100

### COURSE OUTCOMES

At the end of the course the student will be able to: -	
CO1	Understand the components and functions of logistics.
CO2	Articulate the concepts of Supply Chain Management.
CO3	Assimilate the process of transportation & Warehousing.
CO4	Analyze the techniques of Performance Measurement.
CO5	Evaluate the emerging trends in Supply Chain Management.

### Section A

**Unit I: Overview of Logistics:** Concept, Evolution, Components and Functions of Logistics; Integrated Logistics Systems; Logistical Competitive Advantage; Operational objectives of logistics; Growing Importance of logistics management. **(09Hrs)**

**Unit II: Supply Chain Management:** Nature, concepts, functions & contribution of Supply chain Management; Framework of Supply Chain Solutions; Value chain; Outsourcing; Third-party logistics(3PL); Fourth party logistics(4PL); Bullwhip effect and supply chain; Supply chain relationships; Conflict resolution strategies. **(10 Hrs.)**

### Section B

**Unit III: Transportation & Warehousing: Transportation:** Concept & importance; elements & modes; Containerization; Selection of transportation mode; Warehousing: Concept, types & functions; Warehousing strategy; Warehouse Design; Operation Mechanism of Warehouse. **(10Hrs)**

**Unit IV: Performance Measurement: Meaning & Dimension;** Tools of performance measurement: ABC & Benchmarking; Recent Developments in Supply Chain Performance Measurement; The Balanced Scorecard Approach. **(09Hrs)**

**Unit V: Emerging Trends in Supply Chain Management:** The Greening of Supply Chain; concept of Micro fulfilment Centre; Innovations & sustainability in Supply Chains, Current and next generation ICT in Supply Chain; Evolution of Robotics in Warehouse Management. **(10Hrs)**



**Textbooks**

S. No.	Name of the book	Author	Publisher	Edition
1.	Introduction to supply chain management	Robert B. Handfield & Ernest L. Nichols	Pearson	5th (2018)
2.	Logistics & Supply Chain Management	D. K. Agarwal	Macmillan	5th (2010)

**Reference Books**

S. No.	Name of the Book	Author	Publisher	Edition
1	Supply Chain Management	Sunil Chopra, Peter Meindl, et al	Pearson	7th (2018)

**COURSE PLAN**

**Unit I: Overview of Logistics**

S. No	Topics	Recommended Books
1	Concept & Evolution of Logistics	Book 1, Ch.1
2	Components and Functions of Logistics	Book 1, Ch.1
3	Integrated Logistics Systems	Book 1, Ch.1
4	Logistical Competitive Advantage	Book 1, Ch.1
5	Operational objectives of logistics	Book 1, Ch.1
6	Growing Importance of logistics management	Book 1, Ch.1

**Unit II: Supply Chain Management**

7	Nature & concepts of Supply Chain Management	Book 1, Ch.2
8	Functions & contribution of Supply chain Management	Book 1, Ch.2
9	Framework of Supply Chain Solutions	Book 1, Ch.2
10	Value chain; Outsourcing	Book 1, Ch.2
11	Third-party logistics(3PL) & Fourth party logistics(4PL)	Book 1, Ch.2
12	Bullwhip effect and supply chain	Book 1, Ch.2
13	Supply chain relationships & Conflict resolution strategies	Book 1, Ch.2

**Unit III: Transportation & Warehousing: Transportation:**

14	Transportation: Concept & importance	Book 1, Ch.8
15	Elements & modes	Book 1, Ch.8
16	Containerization; Selection of transportation mode	Book 1, Ch.8
17	Warehousing: Concept, types & functions	Book 1, Ch.8
18	Warehousing strategy; Warehouse Design	Book 1, Ch.8
19	Operation Mechanism of Warehouse	Book 1, Ch.8

**Unit IV: Performance Measurement: Meaning & Dimension**





20	Performance Measurement: Meaning & Dimension	Book 1, Ch.14
21	Tools of performance measurement: ABC & Benchmarking	Book 1, Ch.14
22	Recent Developments in Supply Chain Performance Measurement	Book 1, Ch.14
23	The Balanced Scorecard Approach	<a href="https://www.investopedia.com/terms/b/balancedscorecard.asp">https://www.investopedia.com/terms/b/balancedscorecard.asp</a>
<b>Unit V: Emerging Trends in Supply Chain Management</b>		
24	The Greening of Supply Chain	Ref. Book 1, Ch. 6
25	Concept of Micro fulfillment Centre	<a href="https://wareiq.com/resources/blogs/micro-fulfillment-center/">https://wareiq.com/resources/blogs/micro-fulfillment-center/</a>
26	Innovations & sustainability in Supply Chains	<a href="https://www.procurious.com/procurement-news/the-sustainable-supply-chain-innovations-shaping-the-future">https://www.procurious.com/procurement-news/the-sustainable-supply-chain-innovations-shaping-the-future</a>
27	Current and next generation ICT in Supply Chain	<a href="https://www.futurelearn.com/info/courses/supply-chain-innovation/0/steps/19215">https://www.futurelearn.com/info/courses/supply-chain-innovation/0/steps/19215</a>
28	Evolution of Robotics in Warehouse Management	<a href="https://www.greyorange.com/amrs/warehouse-automation-101/">https://www.greyorange.com/amrs/warehouse-automation-101/</a>

#### ADDITIONAL WEB RESOURCES

1.	<b>MOOC: Supply Chain Management Specialization</b> <a href="https://www.coursera.org/specializations/supply-chain-management">https://www.coursera.org/specializations/supply-chain-management</a>
2.	<b>MOOC: Supply Chain Logistics</b> <a href="https://www.coursera.org/learn/supply-chain-logistics">https://www.coursera.org/learn/supply-chain-logistics</a>

#### GRADING AND ASSESSMENT

- **Sessional Test:** 20 marks
- **Assignment:** 10 marks
- **Attendance:** 10 marks
- **Final Examination:** 60 marks

#### COURSE POLICIES

- **Attendance:** Minimum 75% attendance is mandatory to appear in the final examination of the course.
- **Academic Integrity:** MIET's academic integrity policies apply. Plagiarism will not be tolerated.
- **Late Submissions:** Assignments and projects must be submitted by the specified timelines.



### FACULTY INFORMATION

- **Office Hours**  
Monday (02:35 PM - 03:00 PM)  
Friday (02:35 PM - 03:00 PM)
- **Contact Information**  
[Shivani.bba@mietjammu.in](mailto:Shivani.bba@mietjammu.in)