

UNIVERSITY OF MADRAS
B.Com. (GENERAL) DEGREE COURSE
SYLLABUS WITH EFFECT FROM 2020-2021

BGE-CSC15

CORE-XV: LOGISTICS AND SUPPLY CHAIN MANAGEMENT

Common to BCom(MM) & BCom(ISM)

Inst.Hrs : 6

Credits : Core 4 / Elective 5

YEAR: III

SEMESTER: V

Learning Objectives:

1. The students to gain deeper insights into logistics and supply chain management.
2. To highlight the integrated nature of working in logistics and supply chain industry.
3. To prepare students to work in logistics and allied industries.

OUTCOME

- On completion of syllabus student will understand the basic concepts of logistics and supply chain management and student prepare them self to work in logistics and allied industries

UNIT I: Concepts of Logistics – Evolution – Nature and Importance – Components of Logistics Management- Competitive advantages of Logistics – Functions of Logistics management – Principles – Logistics Network- Integrated Logistics system, Supply chain management – Nature and Concepts – Value chain- Functions – Supply chain effectiveness – Outsourcing – 3PLs and 4PLs – Supply chain relationships – Customer services.

UNIT II: Elements of Logistics and Supply chain management – Inventory carrying – Warehousing, Technology in the ware house: Computerisation, Barcoding, RFID and WMS – Material handling , Concepts and Equipments: Automated Storage and Retrieval Systems – Order Processing – Transportation – Demand Forecasting – Impact of Forecasts on Logistics and Supply chain Management- Performance measurements.

UNIT III: Transportation – Position of Transportation in Logistics and Supply chain management-Road, Rail, Ocean Transport - Ships- Types- Measurement capacity of ships – shipping information, Air, Transport Multi model transport – containerization – CFS – ICDS- Cross Docking- Selection of transportation mode – Transportation Network and Decision – Insurance aspects of logistics.

UNIT IV: Logistical Information System (LIS) - Operations – Integrated IT solution for Logistics and supply chain management- Emerging technologies in Logistics and Supply chain management. Components of a logistic system-transportation-Inventory carrying-warehousing-order processing –Distribution channels- Difference between warehouse and distribution centre.

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UNIT V: Performance- Bench marking for supply chain improvement- Dimensions and achieving excellence- Supply Chain Measures – SCOR model- Logistics score board- Activity Based Costing - Economic Value Added Analysis- Balance Score card approach-Lean thinking and six sigma approach in Supply Chain.

Recommended Text

1. John J.Coyle , C. John Langley .JR., Robert A. Novack , Brian J.Gibson – Supply Chain Management A Logistics Perspective – CENGAGE , New Delhi
2. Joel D.Wisner , Keah – Choon Tan , G.Keong Leong – Principles of Supply Chain Management A Balanced Approach– CENGAGE, New Delhi

REFERENCE BOOKS:

1. Agarwal, D.K., ‘Textbook of Logistics and Supply Chain Management’, Mac Millan India Ltd, 2003.
2. Chase, R.B., Shankar, R and Jacobs, F.R. ‘Operations Management and Supply Chain Management’, McGraw Hill Publications, 13th edition, 2018.
3. Chopra, S., Meindl, P. and Kalra, D.V. ‘Supply Chain Management’, Pearson Education India, 6th edition, 2016.
4. Krishnaveni Muthiah, ‘Logistics Management and Seaborne Trade’, Himalaya Publishing House, 2010.
5. Martin Christopher, ‘Logistics and Supply Chain Management’ Pearson Education, 2003.
6. Ronald H. Ballou, ‘Business Logistics and Supply Chain Management’ Pearson Education 2004.

E-RESOURCES:

1. www.managementstudyguide.com
2. https://www.tutorialspoint.com/supply_chain_management/supply_chain_management_tutorial.pdf
3. <https://www.camcode.com/asset-tags/supply-chain-management-guide/>
4. <https://library.ku.ac.ke/wp-content/downloads/2011/08/Bookboon/Magement%20andOrganisation/fundamentals-of-supply-chain-management.pdf>
5. https://www.youtube.com/watch?v=PmR2SKeY9Ms&list=PLGit8yny_3ANzZMsJJjeuxMg-S0f0hGcn
6. <https://www.youtube.com/watch?v=IqmrNUoiy7g&list=PLF9071540F59BA1F0>