

Supply Chain and Logistics Management

Course Objectives

The core objective of this course is to provide a comprehensive understanding of supply chain and logistics management and its application in business. This course is aimed to endow with an in- depth understanding on IT application of supply chain and logistics and also a broad understanding about Global Logistics and Supply Chain Management.

Syllabus

Logistics Management, Supply Chain Management, Order Processing - Transportation - Demand Forecasting, Integrated supply chain, Growth of Supply chain, Strategic decision in supply chain, Logistics Network- Integrated Logistics system, Economics of Logistics, Third Party Logistics, The role of IT in Supply chain, Uses of IT in inventories, Global Supply Chain Management.

Expected Outcome

After the successful completion of this course, the students are able to conceptualize Logistics and Supply Chain Management in the contemporary business scenario. The emergence of Global Village and it deals with how Global Village facilitate this learning.

References

1. Sunil Chopra and Peter Meindl, Supply Chain Management Strategy, Planning and Operation, Pearson Education, 2012
2. R.P. Mohanty and S.G. Deshmukh, Essentials of Supply Chain Management, Mumbai: Jaico Publishing House, 2004
3. David Simchi Levi and Philip Kaminsky, Designing & Managing The Supply Chain, McGraw Hill Education (India) Private Limited, 2007
4. G. Raghuram and N. Rangaraj, Logistics & Supply Chain Management – Cases & Concepts , Laxmi Publications, 2015
5. Donald. J. Bowersox and David J. Closs, Logistical Management: The Integrated Supply Chain , McGraw Hill Education India Private Limited, 2000
6. Martin Christopher, Logistics and Supply Chain Management, Financial Times/ Prentice Hall, 2012.

COURSE PLAN

- 1 Elements of Logistics and Supply chain management – Inventory carrying – Warehousing Material handling – Order Processing - Transportation - Demand Forecasting - Impact of Forecasts on Logistics and Supply chain management – Performance measurements.
- 2 Supply Chain Management: Value chain- Functions – Supply chain effectiveness- Outsourcing - 3PLs and 4PLs – Supply chain relationships- Customer services, Concept of supply chain, Integrated supply chain, Growth of Supply chain, Strategic decision in supply chain, Supply Chain Strategies (i) Cycle View (ii) Push & Pull View. Achievement of strategic fit through different steps, Obstacles to achieving Strategic Fit.

First Internal Examination

- 3 Logistics Management: Evolution of Logistics- Nature and Importance – Components of Logistics Management- Competitive Advantages of Logistics- functions of Logistics management- principles- Logistics Network- Integrated Logistics system, Economics of Logistics, Cost associated With Logistics, third Party Logistics, Materials handling , packaging and transportation systems.
- 4 Information Technology and SCM: The role of IT in Supply chain. Uses of IT in inventories, transportation & facilities within a supply chain, The Supply Chain IT frame Work-macro Processes, The future of IT in the Supply Chain, Internal Supply Chain management, Supply relationship management, The Transaction Management Foundation. Data mining –Methods application area in supply chain, Supply chain information System Design – Planning. E-Business –Role in Supply chain.

Second Internal Examination

- 5 International Logistics and Supply Chain Management: Meaning and objectives, importance in global economy, Forces of Global Supply Chain-Global market force, Technology force, Global cost force, Political force, Stage of International Development, Risk of Global Supply Chain- Speculative Strategies ,Hedge Strategies ,Flexible Strategies ,Requirements for Global Strategy implementation, Advantages of Global Supply Chain.

Final Examination