

Course Title	Course Code	Credit Hours
Supply Chain Management	MGT-457	2-0

Textbooks:

- Sunil Chopra, and Peter Meindl, “Supply Chain Management: Strategy, Planning, and Operation”, Pearson
- Robert B. Handfield, and Ernest L. Nichols Jr., “Introduction to Supply Chain Management”, Pearson

Reference Books/Materials:

- Martin Christopher, “Logistics and Supply Chain Management”, Pearson
- Nada R. Sanders, "Supply Chain Management: A Global Perspective", Wiley
- Source: (<https://www.pec.org.pk/wp-content/uploads/2024/07/INDUSTRIAL-ENGINEERING.pdf>)

Course Objectives:

The objective of this course is to provide students with a comprehensive understanding of the principles and practices involved in managing effective supply chains.

Course Outline:

- Introduction to Supply Chain Management
- Supply Chain Strategy and Design
- Demand Planning and Forecasting
- Inventory Management
- Procurement and Supplier Management
- Logistics and Transportation Management
- Warehousing and Distribution Management
- Global Supply Chain Management
- Supply Chain Technology and Analytics
- Lean and Agile Supply Chain Management
- Quality Management and Six Sigma in Supply Chains
- Sustainability and Corporate Social Responsibility in Supply Chains

- Risk Management in Supply Chains
- Performance Measurement and Metrics
- Supply Chain Collaboration and Integration
- Future Trends and Emerging Issues in Supply Chain Management