

Course Title: Supply Chain Management

Course Layout: Weekly Plan

Week 1: Supply Chain Management Practices and Competitiveness

- **W1.I.** Supply Chain Management Introduction
- **W1.M1.** Supply Chain Management (SCM): Meaning, Practices, and Strategies
 - **W1.M1.A** Supply Chains
 - **W1.M1.B** Integrated Supply Chain Management
 - **W1.M1.C** Supply Chain - Goals and Objectives
- **W1.M2.** Supply Chain Performance, Strategic Fit, and Competitive Advantage
 - **W1.M2.A** Business Environment and Supply Chain Competitiveness
 - **W1.M2.B** Strategic Supply Chain Management
 - **W1.M2.C** Drivers and Challenges of Supply Chain
- **W1.C.** Conclusion & Weekly Assessment - MCQ

Week 2: SCM Models and Strategies

- **W2.I.** SCM Models and Strategies Introduction
- **W2.M3.** Integrated Model of Customer Life Cycle, Demand Management, and SCM
 - **W2.M3.A** Customer Life Cycle and Supply Chain
 - **W2.M3.B** Demand Chain Management
 - **W2.M3.C** Digital Integration, Value Systems, and Cross-Functional Relationships
- **W2.M4.** Supply Chain Models
 - **W2.M4.A** Performance Management and Supply Chain Models
 - **W2.M4.B** SCOR Model
 - **W2.M4.C** Supply Chain Models
- **W2.M5.** Push and Pull Strategies in Supply Chain Management
 - **W2.M5.A** Process View of Supply Chain
 - **W2.M5.B** Push and Pull Supply Chain

- **W2.M5.C** Push and Pull Supply Chain Strategies
- **W2.C.** Conclusion & Weekly Assessment - MCQ

Week 3: Co-ordination and Sustainability

- **W3.I.** Co-ordination and Sustainability in Supply Chain Introduction
- **W3.M6.** Supply Chain Co-ordination
 - **W3.M6.A** Co-ordination in Supply Chain Management
 - **W3.M6.B** Bullwhip Effect
 - **W3.M6.C** Supply Chain Co-ordination Mechanisms
- **W3.M7.** Sustainability in Supply Chain
 - **W3.M7.A** Sustainability in SC
 - **W3.M7.B** Ways to Make SC Sustainable
 - **W3.M7.C** Triple Bottom Line
- **W3.C.** Conclusion & Weekly Assessment - MCQ & Assignment 1

Week 4: Demand Forecasting and Planning

- **W4.I.** Demand Forecasting and Planning Introduction
- **W4.M8.** Demand Forecasting in Supply Chain
 - **W4.M8.A** Demand Forecasting
 - **W4.M8.B** Forecasting Methods
 - **W4.M8.C** Steps in Forecasting
- **W4.M9.** Aggregate Planning in Supply Chain
 - **W4.M9.A** Aggregate Planning
 - **W4.M9.B** Aggregate Planning Strategies
 - **W4.M9.C** Aggregate Planning - An Example
- **W4.M10.** Managing Supply and Demand
 - **W4.M10.A** Managing Supply and Demand
 - **W4.M10.B** Approaches in Supply Management
 - **W4.M10.C** Approaches in Demand Management
- **W4.C.** Conclusion & Weekly Assessment - MCQ

Week 5: Inventory Management in Supply Chain

- **W5.I.** Inventory Management in SCM Introduction
- **W5.M11.** Inventory Management – Economies of Scale in Supply Chain
 - **W5.M11.A** Cycle Inventory and Supply Chain
 - **W5.M11.B** Impact of Economies of Scale on Cycle Inventory
 - **W5.M11.C** Impact of Quantity Discount on Cycle Inventory in SC
- **W5.M12.** Managing Uncertainties in Supply Chain Inventory
 - **W5.M12.A** Supply Chain Uncertainties on Safety Stock
 - **W5.M12.B** Replenishment Policy on Safety Stock
 - **W5.M12.C** Impact of Aggregation on Safety Inventory
- **W5.M13.** Optimal Level of Product Availability
 - **W5.M13.A** Product Availability
 - **W5.M13.B** Methods in Determining Product Availability
- **W5.C.** Conclusion & Weekly Assessment - MCQ

Week 6: Financial Evaluation, Pricing, and Revenue Management in Supply Chain

- **W6.I.** Financial Evaluation, Pricing, and Revenue Management Introduction
- **W6.M14.** Financial Evaluation of Supply Chain Decisions
 - **W6.M14.A** Supply Chain Design: Evaluation of Cash Flow Using NPV
 - **W6.M14.B** Intra Company Transfers and Transfer Pricing Methods
 - **W6.M14.C** Evaluation of Intra Company Transfers Using Transfer Pricing
- **W6.M15.** Pricing and Revenue Management in Supply Chain
 - **W6.M15.A** Aspects of Cost Savings for Pricing and Revenue Management
 - **W6.M15.B** Value-Added and Non-Value-Added Activities
 - **W6.M15.C** Activity-Based Costing
- **W6.M16.** Pricing and Revenue Management in Specific Industrial Sectors
 - **W6.M16.A** Pricing - Customer Segments
 - **W6.M16.B** Pricing - Perishable Goods
- **W6.C.** Conclusion & Weekly Assessment - MCQ & Assignment 2

Week 7: Performance, Control, Risk Management, and Seamless Supply Chains

- **W7.I.** Introduction
- **W7.M17.** Performance Measurement and Controls in Supply Chain
 - **W7.M17.A** Performance Measurement and Control Mechanism
 - **W7.M17.B** Throughput Dollar Days (TDD)
 - **W7.M17.C** Inventory Dollar Days (IDD)
- **W7.M18.** Supply Chain Risk Management
 - **W7.M18.A** Information and Money Flow Disruptions
 - **W7.M18.B** Material Flow Disruptions
- **W7.M19.** Key Business Processes for Seamless Supply Chain
 - **W7.M19.A** External Integration Strategies
 - **W7.M19.B** Supply Chain Maturity Reference Model
- **W7.C.** Conclusion & Weekly Assessment - MCQ