



COURSE OUTLINE FOR IDSCM

Semester -1

Modules	Topics
Introduction to Supply Chain Management	Unit 1: Overview of Supply Chain Management
	Unit 2: Supply Chain Drivers
	Unit 3: Information Technology & Supply Chain
	Unit 4: Supply Chain Strategies, Forecasting and Current Trends and Challenges
	Unit 5: Designing a Supply Chain Network – Transportation and Warehouse Management
	Unit 6: Inventory Management in a Supply Chain
	Unit 7: Coordination & Relationship Management in a Supply Chain
	Unit 8: Performance Metrics & Benchmarking
	<u>Module 1: Assessments</u>
	<ul style="list-style-type: none"> • Test • Assignments
Supplier Selection Method and Development	Unit 1: Introduction to Supplier Development & Management
	Unit 2: Supply Market Analysis
	Unit 3: Supply Strategy & Sourcing Methods
	Unit 4: Supplier Selection Process
	Unit 5: Supplier Evaluation & Development Process
	Unit 6: Supplier Performance Management
	Unit 7: Supplier Quality Assurance Process
	Unit 8: Components of a Financial Statement
	Unit 9: Sustainable Supplier Relationship & Motivation
	<u>Module 2: Assessments</u>
	<ul style="list-style-type: none"> • Test • Assignments
Cost Elements and Negotiation	Unit 1: Introduction
	Unit 2: Basic Cost Concepts
	Unit 3: Advanced Cost Concepts
	Unit 4: Understanding Supply Chain Costs
	Unit 5: Cost Control and Cost Reduction
	Unit 6: Standard costing and variance analysis Budgeting Process
	Unit 7: Importance of Negotiation
	Unit 8: Negotiation Objectives and Strategy, Process



	<u>Module 3: Assessments</u> <ul style="list-style-type: none">• Test• Assignments
Demand Forecasting and Inventory Management	Unit 1: Inventory Management – Overview
	Unit 2: Demand Forecasting
	Unit 3: Material Requirements Planning MRP 1
	Unit 4: JIT Manufacturing & Kanban
	Unit 5: Inventory Planning & Replenishment Systems
	Unit 6: Receipt, Storage & Issue Systems
	Unit 7: Stock Valuation & Reporting Systems
	Unit 8: Inventory Reduction Strategies
	Unit 9: Inventory Management – Performance Standards
	<u>Module 4: Assessments</u> <ul style="list-style-type: none">• Test• Assignments
Legal Aspects of Purchasing	Unit 1: Introduction to Business Laws
	Unit 2: Laws Specific to Contracts
	Unit 3: Contract – Term and Conditions
	Unit 4: Dispute Resolution
	Unit 5: Purchasing Contracts
	Unit 6: Contract Management
	Unit 7: Financial Terms in Contracting
	<u>Module 5: Assessments</u> <ul style="list-style-type: none">• Test• Assignments
Certification Examination - Semester 1	



Semester -2

Modules	Topics
Warehousing and Transportation	Unit 1: Warehousing
	Unit 2: Storage Functionality and Principles
	Unit 3: Transportation
	Unit 4: Transportation Infrastructure Managing the Supply Chain
	Unit 5: Freight Management
	Unit 6: Transportation Economics Concepts
	Unit 7: Transport – Commercial & Traffic
	<u>Module 1: Assessments</u>
	<ul style="list-style-type: none"> • Test • Assignments
Manufacturing - Best Practices	Unit 1: Manufacturing – An Overview
	Unit 2: A Framework for Supply Chain and Manufacturing Excellence
	Unit 3: Customer Requirements – Best Practices
	Unit 4: Materials – Best Practices
	Unit 5: People – Best Practices
	Unit 6: Machinery – Best Practices
	Unit 7: Processes – Best Practices
	Unit 8: Quality – Best Practices
	Unit 9: Cost – Best Practices
	Unit 10: Lead-time Management – Best Practices
	Unit 11: Measuring Customer Satisfaction – Best Practices
	Unit 12: Feedback and Improvement – Best Practices
	Unit 13: Learning Organization and Innovation
	Unit 14: Macro Environmental Analysis
	<u>Module 2: Assessments</u>
	<ul style="list-style-type: none"> • Test • Assignments
Elements of Foreign Trade	Unit 1: Introduction to EXIM Trade
	Unit 2: Macro-Level Organization
	Unit 3: International Environment
	Unit 4: Government Influence
	Unit 5: International Finance
	Unit 6: ICC-INCOTERMS of VCPDC
	Unit 7: Micro-Level Organization (INDIA)
	Unit 8: Global Procurement
	<u>Module 3: Assessments</u>
	<ul style="list-style-type: none"> • Test • Assignments



Elective - 1	
Elective - 2	
Certification Examination - Semester 2	

List of Elective Subjects

Modules
Information Technology in SCM
Customer Relationship Management
Global Procurement Management
Services Supply Chain
Sales & Operations Management
New Product Development Methodology