



Exam Preparation Course Learning Outcomes

CPLM

Certified Professional
in Logistics
Management



International
Supply Chain
Education Alliance

CPLM exam preparation course

Learning Outcomes

PART I **LOGISTICS OVERVIEW, STRATEGY AND DESIGN**

Module 1 – Logistics Fundamentals and Strategy

- Logistics Definition and Scope
- Evolution of Logistics Management
- The Roles of Logistics in the Economy
- Logistics Management Framework
- Logistics Integration with Other Functions
- Logistics Strategy
- The Roles of Logistics Manager

Module 2 – Logistics Customer Service

- Definition and trade-offs
- Principles in managing service levels
- Measures of service capabilities
- Service level differentiation
- Strategies to improve service level

Module 3 – Logistics Network

- The essence of logistics network
- Trade-offs in designing logistics network
- Costs involved in logistics network
- Factors affecting location decision
- Methods to design network
- Risk pooling effect in network design

PART II **LOGISTICS CORE FUNCTIONS**

Module 4 – Inventory Management

- Trade-offs in managing inventory
- Types of inventory
- Costs related to inventory
- Decisions related to inventory
- Factors affecting inventory levels
- Inventory classification
- Models for inventory decisions
- Collaborative inventory models

Module 5 – Warehouse Management

- Roles and Types of warehouses
- Warehousing operations
- Warehouse design
- Packaging and material handling
- Safety issue in managing warehouse
- Warehouse performance

Module 6 – Transportation Management

- Transportation roles in economy and in business
- Transportation economics
- Modes of transportation
- Managing transportation process
- Costing and Pricing of transportation services
- Risk management and safety issues in transportation

Module 7 – Distribution Management

- The roles of distribution in modern economy
- Distribution strategies
- Different types of distribution channels
- Last mile deliveries
- Methods in last mile deliveries

Module 8 – Procurement Management

- The strategic roles of procurement
- Organization of procurement functions
- Strategic sourcing
- Vendor management
- Procurement process
- Measuring procurement performance

PART III **CONTEMPORARY ISSUES**

Module 9 – Reverse Logistics & Sustainability

- The issue of sustainability
- Sustainability (Product Design, Procurement, Production)
- Reverse logistics (Repair, Reuse, Recycle, Remanufacturing)

Module 10 – Global Logistics

- Motives of global logistics
- Global economy and supply chain
- Global sourcing
- Incoterms
- Global Transport
- Logistics in different part of the world
- Logistics Performance Index (LPI)

Module 11 – Logistics Outsourcing

- The reasons for logistics outsourcing
- Typical logistics services outsourced
- Different service configuration

Module 12 – Logistics Cost Analysis

- Elements of logistics costs
- Cost function in logistics
- Cost analysis
- Total cost of ownership (TCO)
- Cost reduction initiatives

Module 13 – Logistics Improvements

- The need for improvements
- Critical performance indicators for logistics
- Benchmarking logistics performance
- Improvement methodologies: PDCA, Lean, Six Sigma

Module 14 – Organization and Leaderships

- Cross-functional nature of logistics
- Managing conflicting objectives
- Logistics maturity stages
- Organizational design
- Fostering innovation
- Leading change

| Course Details

Pre-requisites: None

Classroom time: 24 hours

| Certification Exam Details

Assessment Method: Multiple Choice Exam

Pass Grade: 70%

Regulatory Authority: IISB
(ISCEA International Standards Board)

| About IISB

IISB (ISCEA International Standards Brand) is the authority behind ISCEA's International Supply Chain Standards. It is conformed by a 24 member Board of Directors led by a Secretary-General and a President. IISB designates multiple committees conformed by a selected group of Global Supply Chain Experts from Public and Private Organizations, to develop the BoK (Body of Knowledge) for each certification program.

| About ISCEA

The International Supply Chain Education Alliance (ISCEA) was the first organization certifying Supply Chain Professionals around the globe, and it remains the worldwide authoritative resource for Supply Chain Career Validation with thousands of certificate holders commanding top-tier salaries.

ISCEA's mission is to provide Total Supply Chain Knowledge to manufacturing and service industry professionals through Education, Certification and Recognition.

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