



*Training Course:
Certified International Supply Chain Professional
(CISCP)*

*27 January - 7 February 2025
Milan (Italy)*

Training Course: Certified International Supply Chain Professional (CISCP)

Training Course code: PU234770 From: 27 January - 7 February 2025 Venue: Milan (Italy) - Training Course Fees: 8400 € Euro

Introduction

The Certified International Supply Chain Professional CISCP is the foundation level of the IPSCMI Supply Chain Management Series. CISCP training program covers explanations and fundamental supply chain management terminology.

CISCP Training Program examines the functions of supply chain decisions, supply chain management and logistics, global supply chains, supply chain designs, and virtual supply chains.

CISCP Training Program enfoldes the relationship between supply chain/logistics strategy and the structure of the organization; and the effect of organizational structure on performance.

Course Objectives

After completing this training program, participants should be able to:

- Express supply chain, supply chain management, demand management, distribution channel, logistics management, logistics management, and distribution management.
- Represent the different types of supply chains.
- Document and explain the different elements of a supply chain.
- Describe the role of information technology and information systems in supply chain management
- Define the processes of supply chain management and logistics
- Demonstrate the motivations for supply chain management.
- Clarify how to make supply chain judgments
- Describe distinct supply chain designs.
- Describe international supply chains and virtual supply chains,
- Explain the relationship between supply chain/logistics strategy and the structure of the organization
- Clarify how organizational structure impacts performance.
- Describe the changing formation of logistics and supply chain organizations inside the enterprise.
- Clarify the purchasing, inventory management, transportation, physical distribution, production planning and control, and MIS functions as they relate to Supply Chain Management.
- Define the procedure of Supply Chain Management Performance Measurement.
- Define, in general terms, the future of Supply Chain Management.

Target Audience

This training program is designed for:

- Experts in the supply chain, productions, logistics, ERP consultants, planning
- Employees that are unfamiliar with supply chain and looking to improve their knowledge of the supply chain
- Organizations aiming to enhance their knowledge in the operations management;
- Organizations that have executed or plan to execute ERP systems.

Course Outlines

Introduction to Logistics and Supply Chain Management

- Definitions of Supply chain and supply chain management.
- Distribution channels, distribution management, and demand management.
- Functions of supply chain management and logistics.
- Logistics concerns, goals, "Bill of Rights", marketing-logistics relationship, and components.
- supply chain:
 - decisions
 - designs
 - global supply chains
 - virtual supply chains
- Traffic management, and the advantages of the various transportation modes,
- Controllable logistics system elements, and cost trade-offs.
- Relationship between supply chain/logistics strategy and the structure of the organization.
- Influence of organizational structure on logistics performance.
- The changing appearance of logistics and supply chain organizations within the firm.

Relationship between Purchasing and Supply Chain Management

- Domestic and international shipments transportation types:
 - Making routing decisions based on the goals of the firm,
 - Different terms of sale/purchase commonly used Vs. most efficient.
 - Consequences associated with logistics decisions cost-effectiveness and meeting demand.
- Purchasing management domestic generic perspective:
 - Purchasing as a Logistics/Supply Chain Management and Materials Management subset.
 - Procurement planning
 - Solicitation planning
 - Solicitation
 - Source selection
 - Contract administration
 - Contract close-out
- Characteristics of international purchasing:
 - Issues facing international purchasing.
 - Issues domestic purchasing.
 - International contract law, INCOTERMS, documentation, and payments.

The Domestic and International Transportation Systems

- Macroeconomic and Microeconomic roles of transportation:
 - Characteristics of various transportation modes.
 - The economics of movement.
 - The changing environment in which transportation operates in the U.S.
 - Transportation's critical role in supply chain operations.
 - Analyzing transportation system.
 - Managing transportation operations.
- Coordinating the flow of materials and goods using information.
- The importance of international logistics for competitiveness;
- The difference between materials management and physical distribution;
- Why international logistics is more complex than domestic logistics?
- How the transportation infrastructure in host countries often dictates the options open to the international

- manager?
- Why inventory management is crucial for international success?
- Globalization and business competitiveness:
 - transportation requirements of competitive firms;
 - transportation sector response to competitiveness;
 - information requirements
 - data needs counting the emerging freight sector.

Production Planning and Scheduling

- Production-related decisions [capital intensity, process flexibility, vertical integration, and customer involvement].
- Production methodologies [project, mass, batch, and continuous].
- Production planning and control methodologies.
- Material requirements planning MRP, manufacturing resource planning MRP II, and just-in-time JIT systems.
- Production scheduling [labor, equipment, and facilities are needed to produce a product or provide a service].
- Differences between voluntary and involuntary disposition choices.
- Location problem [site selection; single and multiple facility considerations]
- Green Logistics and Reverse Logistics.

Inventory Management and Warehousing

- Fundamentals of maintaining inventory, benefits, and costs.
- The rationing methods and inventory performance measurement.
- The importance of coordinated flows of inventory through supply chains. The impact of effective inventory management upon ROA.
- Role and importance of inventory in the economy.
- Why inventory levels have declined relative to GDP?
- Inventory management techniques;
- management tools;
- inventory management decision tools.
- How does demand influences replenishment model selection?
- Operational and performance differences between PUSH and PULL inventory systems.
- Modern purpose and function of warehouses:
 - warehouse activities;
 - warehouse strategies;
 - operational scope and capabilities of warehouses;
 - fundamental warehouse decisions;
 - warehouse and materials handling operations;
 - functionality and requirements of product packaging.

Physical Distribution Management

- Order processing;
- Stock levels or inventory;
- Warehousing;
- Transportation.
- Marketing Channels distribution intermediaries

Logistics Structure and Productivity, Quality Management, Statistical Process Quality Control, E-Commerce E-Logistics, and Third-Party Logistics

- Relationship between supply chain/logistics strategy
- The structure of the organization;
- The influence of organizational structure on supply chain/logistics performance;
- The changing appearance of logistics and supply chain organizations within the firm.
- Methods of increasing the productivity of supply chain management and logistics.
 - E-commerce/E-Logistics.
 - Techniques to improve the efficiency of inventory investment.
- The reconciliation of logistics needs with enterprise resource planning ERP systems.
- Exploitation of cost and service opportunities provided by third-party logistics services.
- Exploitation of opportunities in integrated package design.
- Reformation of public policy to improve productivity.

Registration form on the Training Course: Certified International Supply Chain Professional (CISCP)

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