



Procurement & Supply Chain Operations

Supply Chain Management and Capacity Planning

Course Introduction

As the global economy moved into the 21st Century, supply chain, procurement and logistics are becoming a critical influenced in the product movement in meeting and exceeding client demands. Organizations deem it essential to lower costs and increase productivity by managing the supply chain and logistics to boost performance.

Understanding the supply chain and logistics field require strategic planning and a great focus on procurement and purchase of materials to ensure swift delivery to clients. This training course is designed to provide “Riyadh Cement” participants, especially those who handle functions related to procurement and supply chain, with relevant concepts and strategies that they need to consider in order to dynamically manage the supply chain, procurement and logistics unit or business.

Target Audience

1. Supply Chain Manager
2. Logistics Manager
3. Inventory Manager
4. Procurement Manager
5. Operations Manager
6. Production Planner
7. Demand Planner
8. Warehouse Manager
9. Distribution Manager
10. Business Analyst

Learning Objectives

- ✓ Understand and apply the various supply chain management strategies.

- ✓ Master planning of the supply chain appropriate to the project nature.
- ✓ Use the latest inventory and warehouse management strategies, forecast its needs, and monitor its performance.
- ✓ Master planning of transportation management within supply chains.
- ✓ Understand the supply chain risks and master forecasting and evaluating their impact effectively.
- ✓ Develop ideal strategies to protect supply chains from risks.
- ✓ Understand the fundamentals of digitizing supply chains.
- ✓ Master measuring and improving supply chain performance.

Training Methodology The training program is implemented by combining the participants' academic knowledge and practical practice (30% theoretical / 70% practical activities). A detailed report is submitted to each participant and the training department in your organization on the results of the participant's performance and the return on training. This program focuses on exercises, case studies, and individual and group presentations.

Course Outline

• Day 01

Introduction to Supply chain management:

- ✓ Supply chain overview and objectives.
- ✓ Types of supply chains.
- ✓ Strategic, tactical and operational elements of supply chain.
- ✓ Defining “strength” and “resilience” in supply chains.
- ✓ Resilience in face of change.
- ✓ Aligning supply chain with corporate strategy.

- ✓ Stakeholder relations.

Supply chain advanced planning:

- ✓ Supply chain analysis.
- ✓ Concepts of Advanced Planning Systems.
- ✓ Structure of advanced planning systems.
- ✓ Strategic network design.
- ✓ Demand planning.
- ✓ Production planning and scheduling.

• Day 02

Completing Supply chain advanced planning:

- ✓ Purchasing and material requirements planning.
- ✓ Coordination and integration.
- ✓ Collaborative planning.
- ✓ Implementing Advanced Planning Systems.
- ✓ Supply chain evaluation. Transport management:
- ✓ Objectives of transport management
- ✓ Costs associated with transport management
- ✓ Transportation modes and types
- ✓ Efficient and effective transportation
- ✓ Matching the strategic service level
- ✓ Drawing transportation routes
- ✓ Managing cubing of cargo
- ✓ Considerations for international transportation

• Day 03

Warehouse management:

- ✓ Warehousing operations
- ✓ Warehousing network design
- ✓ Configuration of warehousing space
- ✓ Value adding activities
- ✓ Stockpiling, spot stocking and assortments
- ✓ Cross docking, break bulking and consolidation
- ✓ Mixing, postponement and assembly-to-order
- ✓ Warehouse activity profiling
- ✓ Warehousing cost calculation
- ✓ Sustainable warehousing practices

Inventory management:

- ✓ Materials management scope
- ✓ Objectives of materials management
- ✓ Inventory types and classification
- ✓ Materials management challenges
- ✓ Material replenishment strategies
- ✓ Make-to-stock
- ✓ Make-to-order
- ✓ Assemble-to-order
- ✓ Design-to-order
- ✓ Design for the supply chain
- ✓ Design for the environment

Risk management:

- ✓ Supply chain risk definitions.
- ✓ What are the common risks of supply chain?
- ✓ How to identify and analyze your supply chain's risks?
- ✓ Internal versus external risks
- ✓ Scope change risks
- ✓ Financial risks
- ✓ Demand risks
- ✓ SIPOC model
- ✓ Value chain analysis
- ✓ SCOR framework
- ✓ Work breakdown structure
- ✓ Evaluating supply chain risks

Your Guide to manage supply chain risks:

- ✓ Capacity planning strategies.
- ✓ Waste management.
- ✓ What is the demand of your product or service?
- ✓ Mitigation strategies for warehousing risks.
- ✓ Mitigation strategies for inventory management risks.
- ✓ Developing a communications plan.
- ✓ Managing change.
- ✓ Contract management.
- ✓ Select the ideal supplier for supply chain objectives.

Digitizing Supply chain:

- ✓ Digital Transformation Insights: Supply Chain & Procurement Functions
- ✓ Digitally Transforming Supply Chain Planning
- ✓ Digitizing Supply Chain Sourcing
- ✓ Exploring Make Phase Digital Technologies
- ✓ Digitally Transforming Supply Chain Delivery
- ✓ Using Digital Technologies in Return Activities
- ✓ Enabling Supply Chain Effectiveness
- ✓ Digital Transformation in Transportation and Logistics

Measure and improve Supply chain performance:

- ✓ Analyze and measure supply chain performance.
- ✓ Develop KPI's to measure supply chain's Quality.
- ✓ Improve the efficiency of supply chain performance.
- ✓ International Organization of Standards (ISO).
- ✓ Quality Tools.

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
June 23, 2025	June 27, 2025	5 days	4250.00 \$	UAE - Dubai
Sept. 29, 2025	Oct. 3, 2025	5 days	4250.00 \$	UAE - Dubai

FROM	TO	DURATION	FEES	LOCATION
Dec. 15, 2025	Dec. 19, 2025	5 days	4950.00 \$	Spain - Barcelona