Inventory Management and Planning Mastery (CPIM)

16 – 20 May 2027
Manama (Bahrain)



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Introduction

The Inventory Management and Planning Mastery CPIM course is an intensive, structured training program designed to provide participants with a solid and practical understanding of inventory management and planning concepts aligned with the CPIM Body of Knowledge. The course focuses on core and advanced principles of inventory management, demand planning, materials management, and supply chain integration required for successful CPIM exam preparation.

Through clear explanations, practical examples, and exam-oriented content, participants will strengthen both their conceptual understanding and exam readiness, while also gaining skills that can be immediately applied in real-world inventory and operations environments.

Course Objectives

By the end of this course, participants will be able to:

- Understand the structure, scope, and expectations of the CPIM certification exam.
- Master fundamental and advanced inventory management concepts covered in CPIM.
- Apply quantitative and qualitative inventory planning techniques used in CPIM scenarios.
- Strengthen knowledge of demand management, replenishment systems, and materials planning.
- Analyze inventory performance using CPIM-relevant metrics and key performance indicators.
- Understand the role of inventory within end-to-end supply chain and operations planning.
- Improve readiness to answer CPIM multiple-choice and scenario-based exam questions.

Course Outlines

Day 1: Inventory Management and Planning Fundamentals

- Overview of the CPIM structure, modules, and exam expectations.
- Role of inventory in operations management and business strategy.
- Types of inventory, including raw materials, work in progress, finished goods, maintenance supplies, and pipeline inventory.
- Core functions of inventory management and balancing service level, cost, and risk.
- CPIM terminology and definitions related to inventory and planning.
- Demand and supply relationships within the supply chain.



Day 2: Demand Management and Replenishment Systems

- Demand management concepts and differences between independent and dependent demand.
- Forecasting fundamentals using qualitative and quantitative methods.
- Inventory replenishment systems, including continuous and periodic review models.
- Economic Order Quantity concepts, assumptions, and applications.
- Safety stock, service levels, and managing variability.
- Reorder point and lot-sizing calculations aligned with CPIM standards.

Day 3: Inventory Control and Performance Measurement

- Inventory accuracy and control techniques, including cycle counting and physical inventory.
- Key inventory performance metrics such as turnover, days of supply, fill rate, and carrying cost.
- Inventory segmentation and prioritization using ABC analysis.
- Push versus pull inventory systems and CPIM-aligned planning logic.
- Lean inventory principles focused on waste reduction and flow improvement.
- Practice questions based on CPIM inventory management concepts.

Day 4: Materials Planning and MRP Concepts

- Materials planning within the CPIM framework.
- Purpose, logic, and structure of material requirements planning.
- Key inputs, including the Master Production Schedule, Bill of Materials, and inventory records.
- Gross and net requirements planning.
- Lead times, offsetting, and time-phased planning.
- Common materials planning challenges and typical CPIM exam pitfalls.

Day 5: Integration, Review, and CPIM Exam Preparation

- Integration of inventory planning with sales and operations planning.
- Inventory coordination across the supply chain and operational functions.
- Role of enterprise systems and technology in inventory planning.
- CPIM exam strategy, question interpretation, and time management.
- Comprehensive review of inventory management and planning concepts.
- Practice exam questions and final discussion session.

Why Attend This Course: Wins & Losses!

- Fully exam-aligned content supporting CPIM certification preparation.
- Strong foundation in inventory and materials planning principles.
- Practical, real-world scenarios linked to CPIM exam logic.
- Improved confidence through structured review and practice questions.
- Enhanced professional credentials and operational decision-making skills.



Conclusion

The Inventory Management and Planning Mastery CPIM course delivers a focused, structured, and practical learning experience designed to support CPIM certification success while strengthening real-world inventory management capabilities. By completing this one-week intensive program, participants gain the knowledge, confidence, and analytical skills required to succeed in the CPIM exam and to apply best-practice inventory planning techniques within their organizations. This course represents a strategic step toward both professional certification and operational excellence.

