CPIM - Certified in Production and Inventory Management

VALUE CHAIN
ADVANCED VALUE CHAIN INSTITUTE
What is APICS CPIM?

• The APICS CPIM program takes an in-depth look at the production and inventory activities within the internal operations of a company.

• It focuses primarily on manufacturing and provides an in-depth view of materials management, master scheduling, production planning, forecasting, and quality improvement within the confines of the operation.

• The APICS CPIM program is divided into five process-oriented exam topic areas to provide participants with the best possible educational assessment and knowledge base.

• Obtaining an APICS certification shows a commitment to the profession that leads to a sense of accomplishment, demonstrates value to the employer, enhances earning potential, and provides a path to career advancement.
APICS CPIM Program Benefits

- Achieve greater confidence and industry recognition
- Create a common understanding, vocabulary, processes, and frameworks within their entity to address their supply chain challenges and opportunities
- Gain proven learning and organizational skills to strategically streamline operations
- Discover the tools to effectively manage global supply chain activities where suppliers, plants, distributors and customers are located around the world.
- Enhance abilities to interact with existing resources and ERP implementation to increase efficiency of workplace environment
- Generate skills to create consistency and foster collaboration through best practices, common terminology, and corporate-wide communication.
The APICS CPIM has been organized into five modules. The diagram shows how these modules relate to each other and how they will help you to manage your business resources.
APICS CPIM Modules

Basics of Supply Chain Management » Entry Module

Completely Updated for 2009. The basic concepts in managing the complete flow of materials in a supply chain from suppliers to customers are covered in the Basics module. Supply chain concepts are introduced and basic terminology emphasized, as are relationships among activities in the supply chain. Knowledge of the material in this module is assumed as a prerequisite for the other APICS CPIM modules, which cover similar topics but in much greater depth.

Master Planning of Resources » Core Competency Module

The topics of demand management, sales and operations planning, and master scheduling are examined in-depth in this module. Both supply and demand planning for mid- to long-term independent demand are discussed. Priority planning and capacity planning issues also are addressed.
APICS CPIM Modules

**Detailed Scheduling and Planning » Core Competency Module**

The subject matter of this module includes inventory management, material requirements planning, capacity requirements planning, procurement, and supplier relationships.

**Execution and Control of Operations » Core Competency Module**

The principles, approaches, and techniques needed to schedule, control, measure, and evaluate the effectiveness of production operations are covered in this module. A broad range of production operations are reviewed including project, batch, line, continuous, and remanufacturing environments.

**Strategic Management of Resources » Capstone Module**

This module covers strategic planning and implementation and describes how market requirements drive the resources and processes of an organization. It helps you explore the relationship among existing and emerging processes and technologies to manufacturing strategy and supply chain-related functions.
## Basics of Supply Chain Management

1. **Introduction to Supply Chain Management**
2. Demand Management
3. Master Planning
4. Material Requirements Planning
5. Capacity Management and Production Activity Control
6. Aggregate Inventory Management
7. Item Inventory Management
8. Purchasing and Physical Distribution
9. Lean and Quality Systems
10. Theory of Constraints
Master Planning of Resources

1. Master Planning of Resources
2. Forecasting Demand
3. Demand Management and Customer Service
4. Distribution Planning
5. Sales and Operations Planning
6. S&OP and Master Scheduling
7. Managing the Master Schedule
8. Case Studies
Detailed Scheduling and Planning

1. Inventory Policies
2. Inventory Planning
3. Information Used in the Material Planning Process
4. MRP Mechanics: The Basics
5. Using MRP Outputs and Managing Projects
6. Detailed Capacity Planning
7. Detailed Capacity Management
8. Establishing Supplier Relationships
9. Supplier Partnerships
<table>
<thead>
<tr>
<th></th>
<th>Execution and Control of Operations</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Execution of Operations</td>
</tr>
<tr>
<td>2.</td>
<td>Scheduling and Authorization</td>
</tr>
<tr>
<td>3.</td>
<td>Control of Production</td>
</tr>
<tr>
<td>4.</td>
<td>Control of Costs and Quality</td>
</tr>
<tr>
<td>5.</td>
<td>Management and Communication</td>
</tr>
<tr>
<td>6.</td>
<td>Quality and Continuous Improvement</td>
</tr>
<tr>
<td>7.</td>
<td>Design Tradeoffs</td>
</tr>
<tr>
<td>8.</td>
<td>Case Studies</td>
</tr>
</tbody>
</table>
Thank you

You have completed the APICS CPIM Demo. We hope you have a better understanding of the program that gives you the tools to improve your company’s operations.

For more information, visit www.avaluechain.com or call the APICS Sales Representative Conny Toro at (81) 2346 3348 or concepcion.toro@avaluechain.com and we will be glad to attend you.

“A man never knows what he is capable until he tries”