

Guadalajara
San Luis Potosí
Aguascalientes

CPIM

Production
& Inventory
Management



2011

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Operations Management

Guadalajara Chapter

Incorpora la designación CPIM de APICS en tu plan de carrera y amplía tus credenciales profesionales.

Desde 1973, el programa CPIM de APICS ha educado a más de 90,000 profesionales en terminologías esenciales, conceptos y estrategias relacionadas a la administración de la demanda, compras, planeación de proveedores, planeación de requerimiento de materiales, planeación en ventas y operaciones, programación maestra, mediciones de desempeño, relaciones con proveedores, control de calidad y mejora continua.

MPR

Master Planning of Resources

Explore los procesos utilizados para desarrollar el plan de ventas y operaciones (S&OP) y el plan de producción; identifique y evalúe la demanda interna y externa así como los requerimientos del pronóstico. Obtenga el conocimiento para desarrollar un programa maestro de producción (MPS) realista y efectivo, que dirigirá al MRP así como y al CRP buscando equilibrar los tres objetivos: un máximo servicio al cliente, un mínimo inventario y una alta eficiencia operativa.

MPR Version 4.0 — January 2011

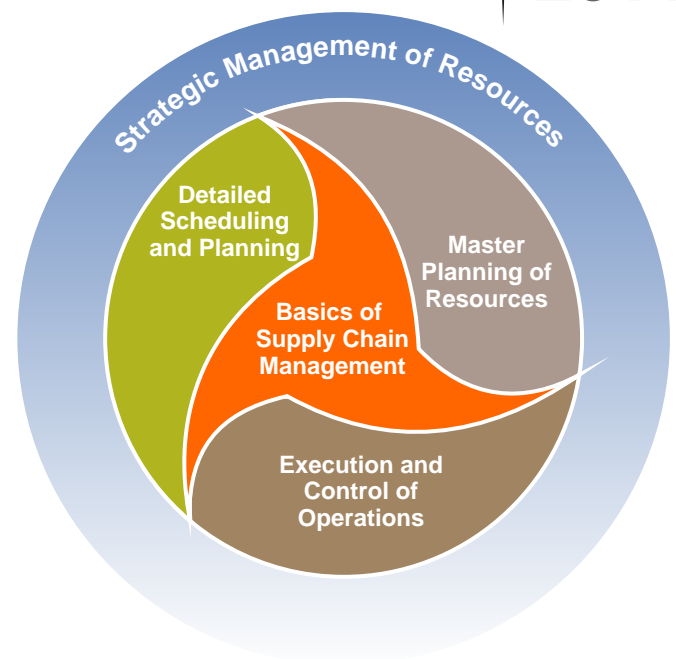
- 01- Master Planning of Resources
- 02- Forecasting Demand
- 03- Demand Management and Customer Service
- 04- Distribution Planning
- 05- Sales and Operations Planning
- 06- S&OP and Master Scheduling
- 07- Managing the Master Schedule
- 08- Case Studies

Nota: Los cursos se imparte en español, utilizando material didáctico en inglés de APICS Internacional.

Dirigido a:

Personal de logística, compras, abastecimientos, planeación, producción, distribución y sistemas.

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2 Master Planning of Resources (MPR)



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Session 1 – Master Planning of Resources

- Manufacturing and Service Industry Objectives
 - . Role of Manufacturing Planning and Control
 - . Manufacturing Planning Hierarchy
 - . Role of Planning Software in MPC
 - . Factors Affecting MPR System Design
- Master Planning of Resources
 - . Direction Setting: Strategic and Business Planning
 - . Demand Management
 - . Sales and Operations Planning
 - . Master Scheduling
 - . Distribution Planning

Session 2 - Forecasting Demand

- Demand Forecasting Concepts
 - . Forecasting Framework
 - . Managing the Forecast
- Forecasting Techniques
 - . Factors Affecting the Forecast
 - . Qualitative Forecasting Techniques
 - . Quantitative Intrinsic Techniques
 - . Quantitative Casual Techniques
 - . Collaborative Planning, Forecasting, and Replenishment

Session 3 - Demand Management and Customer Service

- Evaluating Forecast Performance
 - . Guidelines for Evaluating Forecasts
 - . Outcomes of Forecast Evaluation
 - . Determining Forecast Error
 - . Bias
 - . Standard Deviation
- Customer Relationship and Order Management
 - . Customer Relationship Management (CRM)
 - . Effective Customer and Internal Communication
 - . Order Delivery Performance Measurement
- Customer Service and Safety Stock
 - . Purpose of Safety Stock
 - . Customer Service Levels
 - . Calculated Safety Stock
 - . Customer Service Policy and Performance Targets

Session 4- Distribution Planning

- Distribution Network Planning
 - . Distribution Channel Design Considerations
 - . Network Configuration
 - . Transportation and Distribution Center Site Decisions
- Distribution Replenishment Planning
 - . Product Forecasting
 - . Replenishment Planning Approaches
 - . Replenishment Planning Linkages to S&OP and Master Scheduling
- Measuring Performance
 - . Distribution System Performance Measures

Nota: Los cursos se imparte en español, utilizando material didáctico en inglés de APICS Internacional.

Session 5 - Sales and Operations Planning

- S&OP Introduction
 - . Major Attributes
 - . S&OP Relationships
 - . S&OP Fundamentals
- Management Considerations
 - . Guiding the Business
 - . Roles and Responsibilities
 - . Key Planning Factors
- The S&OP Process
 - . S&OP Process Outcomes
 - . Monthly Executive S&OP Process Steps
- Developing and Validating the Production Plan
 - . Production Planning Methods
 - . Make-to-Stock Sales and Operations Plan
 - . Developing a Make-to-Stock S&OP Grid
 - . Financial Evaluation of Level and Chase
 - . Developing a Make-to-Order SLOP Grid
 - . Resource Planning

Session 6 – S&OP and Master Scheduling

- Introduction
 - . Transition from Sales and Operations Planning
 - . Master Scheduling Objectives
 - . Role in Manufacturing Planning and Control
 - . Maintaining the Master Schedule
- Major Influences on Master Scheduling
 - . Business Environment
- Master Scheduling Process
 - . Introduction
 - . Maintaining the Stability of MPS

Session 7 - Managing the Master Schedule

- Management Considerations
 - . The Balancing Act
 - . The Role of the Master Scheduler
 - . The Role of the Senior Executive
 - . Planning and Coordinating Changes
 - . Maintaining the Integrity of the Master Schedule
- Assemble-to-Order Master Schedule
 - . Bill of Materials
 - . Planning Bills of Material
 - . Two-Level Master Scheduling Demonstration and Problems
- Reviewing Capacity Requirements
 - . Rough-Cut Capacity planning
 - . RCCP Process
 - . Overload and Underload
 - . Revised MPS and RCCP Report
- Advanced Planning & Scheduling (APS)
 - . Approach to Capacity Planning
 - . APS Process
- Measuring Master Scheduling Performance
 - . Policies and Methods
 - . Problem Indicators
 - . Performance Measures

Session 8 - Case Studies

- . Cash Studies

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Guadalajara Chapter

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About APICS The Association for Operations Management

APICS The Association for Operations Management is the global leader and premier source of the body of knowledge in operations management, serving nearly 33,000 members globally. The APICS education and certification programs are recognized worldwide as the standard of professional competence in production and inventory management, operations management, and supply chain management.

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