

The Association for Operations Management (APICS)

Advancing Productivity, Innovation, and Competitive Success

Certified in Production and Inventory Management (CPIM)

Southwestern College Professional Studies offers 1.5 semester college credit classes to teach the bodies of knowledge necessary for workplace success and APICS certification. Earned credits may be used as core course substitutions for the operations management major or as electives in other degree programs. Additional courses will be scheduled as demand is indicated. A series of courses will be taught by practicing professionals in the field. *These are the proposed dates for classes.*

***Introduction to Materials Management:** Brian Ferris, CFPIM, CSCP, C.P.M., instructor
PRMG 201 Wednesday Sept. 27-Nov 1, 2006 6:00 PM – 10:00 PM West Wichita

Basics of Supply Chain Management: Brian Ferris, CFPIM, CSCP, C.P.M., instructor
PRMG 305 Wednesday Nov 8, 15, 29 & Dec.6, 2006 6:00 PM-10:00 PM West Wichita

Master Planning of Resources: Brian Ferris, CFPIM, CSCP, C.P.M., instructor
PRMG 306 Wednesday Jan 3-24, 2007 6:00 PM -10:00 PM West Wichita

Detailed Scheduling and Planning: Brian Ferris, CFPIM, CSCP, C.P.M., instructor
PRMG 307 Wednesday Feb. 14-March 7, 2007 6:00 PM-10:00 PM West Wichita

Execution and Control of Operations: Brian Ferris, CFPIM, CSCP, C.P.M., instructor
PRMG 308 Wednesday March 28-April 18, 2007 6:00 PM-10:00 PM West Wichita

Strategic Management of Resources: Brian Ferris, CFPIM, CSCP, C.P.M., instructor
PRMG 309 Wednesday May 9-30, 2007 6:00 PM – 10:00 PM West Wichita

Each course will meet four hours per week for four weeks. The costs for each course are \$414.00 plus study materials. Southwestern College cooperates with all industry reimbursement and direct billing systems. There will be substantial out-of-class study time required. The courses are designed for those currently working in the field. Tuition is subject to change.

*An Introduction to Materials Management course meets four hours per week for six weeks. Tuition for this class is \$828.00 plus study materials. This is a 3.0 semester college credit class.

For further information on class availability, call Professional Studies at (800) 813-4378.

CPIM EXAMINATION TITLES AND CONTENT OUTLINES

Basics of Supply Chain Management: Candidates explore the basic concepts in managing the complete flow of materials in a supply chain. In the Basics you get a complete overview of material flow, from internal and external suppliers, to and from your organization. Topics include;

- Business-wide Concepts: Organization Fundamentals, Operating Environments, Financial Fundamentals, Manufacturing Resource Planning (MRP II), Just-in Time (JIT), Total Quality Management (TQM), Impact of Environment on System Design and Deployment
- Demand Planning: Marketplace-Driven, Customer Expectations and Definition of Value, Customer Relationships, Demand Management
- Transformation of Demand into Supply: Design, Capacity Management, Planning-Purposes; Inputs and Outputs, Execution and Control
- Supply: Inventory, Purchasing, Physical Distribution System

Master Planning of Resources: Candidates explore processes used to develop sales and operations plans, and identify and assess internal and external demand and forecasting requirements. Topics include;

- Demand Management: Relating Demand Management to the Distribution Environment, Forecasting Demand, Recognizing and Processing Actual Demand
- Sales and Operations Planning: Relating the Planning Processes to the Environment, Understanding Business Choices that Affect the Aggregate Planning Process, Developing and Validating the Sales and Operations Plan
- Master Scheduling: Relating the Master Scheduling Process to the Business Environment, Understanding the Business Choices that Affect the Master Schedule, Constructing and Implementing the Master Schedule, Measuring the Business Plan

Detailed Scheduling and Planning: Candidates focus on the various techniques for material and capacity scheduling. The course includes detailed descriptions of material requirements planning (MRP), capacity requirements planning (CRP), inventory management practices, and procurement and supplier planning. Topics include;

- Planning Material Requirements to Support the Master Schedule: Recognizing Techniques and Practices of Inventory Management, Identifying Information Used in the Material Planning Process, Identifying the Desirable Material Planning Mechanics of the Detailed Material Planning Process, Maintaining the Validity of the Material Plan, Interactions with Other Systems
- Planning Operations to Support the Priority Plan: Recognizing the Characteristics and Detailed Capacity Planning Process, Identifying Information Used in the Detailed Capacity Planning Process, Identifying Desirable Characteristics of the Detailed Capacity Planning Process, Uses of Detailed Capacity Planning Process, Measuring the Performance of the Detailed Capacity Planning Process, Interactions with Other Systems
- Planning Procurement and External Sources of Supply: Establishing Relationships with Suppliers, Techniques and Concepts for Supplier Partnerships, Implementing the New Relationship to Support the Company's Operational Objectives

Execution and Control of Operations: Candidates focus on the areas of prioritizing and sequencing work, executing work plans and implementing controls, reporting activity results, and providing evaluation feedback on performance. Topics include;

- Prioritizing and Sequencing Work to be Performed: Interfaces, Production and Process Operations
- Executing the Plans: Implementing Physical Controls and Reporting Results of Activities Performed, Authorizing and Reporting Activities for Push Systems, Authorizing and Reporting Activities for Pull Systems, Production Status Reports, Communicating Both Internal and External Customer-Supplier Information, Controlling Resources, Executing Quality Initiatives, Eliminating Waste, Implementing Continuous Improvement Plans
- Evaluating Performance and Providing Feedback: Evaluating Quality Management Processes, Monitoring Supplier Performance, Evaluating the Performance of Production Operations, Cost Management Process

Strategic Management of Resources: Candidates explore the relationship of existing and emerging processes and technologies to manufacturing strategy and supply chain-related functions. Topics include;

- Aligning the Resources with the Strategic Plan: Competitive Market Issues, Choices Affecting Facilities, Choices Affecting Supply Chain, Choices Affecting Information Technology, Choices Affecting Organizational Design
- Configuring and Integrating the Operating Processes to Support the Strategic Plan: Configuring and Integrating the Priority Planning Process, Configuring and Integrating the Capacity Planning Process, Configuring and Integrating Design and Development Processes, Configuring and Integrating Cost Management Processes
- Implementing Change: Evaluating and Managing Projects, Measuring Organizational Performance, Managing Change in an Organization