

APICS - Fundamentals of Materials and Operations Management

Fundamentals of Materials and Operations Management education offers an exciting classroom-based, instructor-led educational opportunity for individuals new to materials and operations management - or professionals working in positions that interact with this field. Fundamentals introduces essential manufacturing terminology, skills, and principles for more effective planning, inventory control, material requirements planning, and strategic decision making.

Who should participate?

Professionals who are new to materials and operations management or need to understand how their job affects the production and on-time delivery of products to customers. Participants in the Fundamentals program are typically involved in one or more of the following areas: inventory control, planning, manufacturing control, and operations management.

Duration

36 Hours per Module

Overview

This program is designed for people working in the field of materials and operations management or people working in positions that interact with this field who need to learn the basic concepts, techniques, and terminology. The course material has been prepared for APICS by professional course writers, with the assistance of subject matter experts. It is based on a solid body of knowledge that has evolved over the past half-century.

Completion of this program will strengthen the participants' knowledge of materials and operations management and will provide knowledge that can be used in the work environment. These modules are not intended to directly prepare participants to take the APICS professional certification exams for Certified in Production and Inventory Management (CPIM). Rather, the Fundamentals program will open the door to entry-level knowledge of materials and operations management—a suitable academic background for those who wish to continue their studies toward CPIM.

Fundamentals of Inventory Control

This course introduces essential vocabulary and skills in identifying and applying the basic principles of inventory management. Basic methods of planning and controlling inventory in manufacturing, institutional, distribution and retail environments are covered. The questions of what to stock are addressed through an examination of current and evolving technologies of inventory management.

Fundamentals of Planning

This course introduces participants to the principles of effective planning. The course presents the concepts of planning at each level, from strategic to tactical. Participants work together to solve problems, develop plans, build teams, and present solutions.

Fundamentals of Manufacturing Control

This course deals with priority and capacity management through the use of material requirements planning (MRP), capacity management, capacity requirements planning (CRP), production activity control (PAC), and Just-in-Time (JIT). This course explores the execution of the production plan and master production schedule, reactions to capacity constraints, and maintenance of individual order control.



APICS Fundamentals - Continued

Fundamentals of Operations Management

This course is concerned with the design of systems to produce goods and services and the operation of those systems. It discusses relationships within the company environment, particularly with marketing and product design. Topics covered include facilities planning, total quality management (TQM), cost analysis, project planning, and operations resource management.

Duration

Lecturer led courses are 4 weeks in duration.

Questions?

Please contact the SAPICS office for any questions that you may have.

Contacts

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