



Mastering Materials Management Techniques

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Introduction:

Materials management deals with the flow of goods and services throughout an organization's production process, from order placement to product delivery. Materials managers seek to find the optimal processes to both satisfy customers and maximize company profits. Specific logistics management issues depend on the company or industry; however, programs that teach materials management skills usually also include courses in purchasing, inventory and production planning. This course has been revised and updated with the latest procedures and applications to keep the candidates up-to-date of the changes and emerging trends in the field of materials management. A great amount of new material has been incorporated to suit the particular need of the delegates pursuing management courses.

Who Should Attend?

Logistics Consultants, Logistics and Financial Managers, Accounting and Operations Managers, Third-Party Logistics Providers, Supply Chain and Logistics Managers and Professionals, Operations Managers, Logistics Professionals, Logistic Providers, Logistic Administrators, Logistics Planning and Inventory Managers, Supply, Buying, Purchase, Logistics, Materials and Supply Chain Professionals, General Services Personnel, Purchasing and Procurement Managers, Retailers, Warehouse Personnel, Transportation and Distribution Managers/Personnel, Inventory and Warehouse Control Professionals, Freight Forwarders and Linear Specialists, Production Managers, Production Planners, Financial Managers, Project Managers, Distribution Center Supervisors, Line Managers, Fleet Managers, Fleet Supervisors, Fleet Operators, Fleet Inspectors

Course Objectives:

By the end of this course delegates will be able to:

- Define mathematical concepts underlying inventory control, linear programming with great clarity
- Discuss the operational details of stores and purchases, standardization and quality control, value analysis and value engineering
- Identify the relationship between the purchasing function and materials management
- Explore the legal aspects of purchasing and the technicalities of warehousing
- Understand the purpose and goals of the materials management organization and its contribution to profitability and the bottom line

Course Outline:

Materials Management and Purchase Organization

- Introduction to materials management
- Systems approach to materials management
- Forecasting, objectives and the materials organization
- Materials planning

Purchasing in Materials Management

- Purchasing in materials management system concept
- Purchasing and procurement activities under materials management
- Value analysis and value engineering
- Purchasing and quality assurance
- Incoming material quality control
- Statistical quality control
- Purchasing capital equipment, plant and machinery

- International buying and import purchasing
- Governmental purchasing practices and procedures

Inventory Management, Stores System and Logistics

- Inventory management and control systems
- Stores management and operation
- Materials accounting, flow of costs and inventory valuation, physical verification, security and materials audit
- Materials handling and storage systems; physical distribution logistics. Transportation, traffic and claims management

Operations Research and Related Techniques, Materials Management Information System & Computers

- Operations research and related techniques
- Materials management information system and computer

Other Operational Areas of Materials Management

- Economic flow of values and materials management
- Spare parts and maintenance materials control and obsolete scrap or process waste and surplus materials disposals
- Materials management and productivity
- Cost-effectiveness and performance measurement