



Supply Chain, Inventory Control and Operations Management SCICOM

Course Description

Better Learning for Better Living

This Supply Chain, Inventory Control and Operations Management program is designed to provide a higher level of competency, confidence and competitiveness in the fields of operations and logistics management. Clients will develop higher skills and efficiency in the usage of computers, the latest and most popular Microsoft office package, selected modules from AccPac as well as all the principles and guidelines for planning and implementations processes in operational and logistics environments. The course covers all organizational and hierarchical responsibilities with an emphasis on Planning and Control as well as accepted and proven management techniques to provide the highest level of customer service and satisfaction to clients and meaningful return on investment of stakeholders.

Course Outline

- Computer Fundamentals
- Operating systems (Windows XP)
- MS Word 2003 Level 1
- MS Word 2003 Level 2
- MS Excel 2003 Level 1
- MS Excel 2003 Level 2
- MS Outlook 2003
- MS PowerPoint
- Introduction to Materials Management
- Inventory Fundamentals
- Forecasting
- Production Planning System
- Master Scheduling
- Materials Requirements Planning
- Capacity Management
- Production Activity Control & Purchasing
- Order Quantities
- Independent Demand Ordering Systems
- Physical Inventory & Warehouse mgt
- Physical Distribution
- Just In Time Manufacturing & TQM
- ERP Fundamentals
- Bar Coding

*We Help You
Get There*

Instructor / Course Developer

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CANADIAN INSTITUTE OF LEARNING

SUPPLY CHAIN, INVENTORY CONTROL AND OPERATIONS MANAGEMENT

Tekle Tessema — Instructor / Course Developer

SAMPLE COURSE CONTENT

Practices and Quizzes included with each segment

Materials Management

Introduction to Operating Environment Government, Economy, Competition, Customers and Quality Supply Chain Concept Movement of raw material from supplier to processing, distribution and customer Materials Management defined.

Inventory Fundamentals

Introduction to inventory basics, Aggregate Inventory Management, Inventory and flow of Material, Functions of Inventories, Objectives of Inventory Management, Inventory Costs. Financial Statements and Inventory ABC Analysis

Forecasting

Introduction to ideals of forecasting, Demand management, Demand Forecasting, Characteristics of Demand, principles of Forecasting, Collection and Preparation of data, forecasting Techniques, Intrinsic Vs. Extrinsic forecasting, Seasonality, Tracking forecasts.

Production Planning System

Introduction, Manufacturing planning and Control System, Sales and Operation planning. (SOP), Manufacturing Resources Planning. (MRP II), Enterprise Resources Planning. (ERP), Making the Production Plan.

Master Scheduling

Introduction, Relationship to Production planning, Developing a Master Production Schedule, Production planning, Master Scheduling and Sales, Projected Available Balance. (PAB), Available To Promise. (ATP), Time Fences, Error Management.

Material Requirements Planning

Introduction, Bill of Material, Single Level BOM, Multiple Level BOM, Low Level Code, Material Requirements Planning Process, Using the Material Requirements Planning

Production Activity Control & Purchasing

Introduction to PAC, Data Requirement, Order Preparation, Scheduling, Load Leveling, Scheduling bottle necks, TOC and DBR, Implementation & Control, Introduction to Purchasing, Establishing Specifications, Selecting Suppliers, Price Determination Impact of MRP on Purchasing.

Capacity Management

Introduction, Definition of Capacity, Capacity Planning, Capacity Requirement Planning (CRP), Capacity Available, Capacity Required (Load), Scheduling Orders, Making the Plan.

Order Quantities

Introduction, Economic Order Quantity (EOQ) Variations Of EOQ Model Quantity Discounts Use Of EOQ, when Costs are not known Periodic Order Quantity (POQ).

Independent Demand Ordering Systems

Introduction, Order Point System, Determining Safety Stock, Determining Safety Levels, Determining Forecast and Lead-Time Intervals, Periodic Review System, Distribution Inventory.

Physical Inventory and Warehouse Management

Introduction, Warehousing Management, Physical Control and Security, Inventory Record Accuracy.

Physical Distribution

Introduction, Physical Distribution System, Interfaces, Transportation, Legal Types of Carriers, Transportation Cost Elements.

Just in Time Manufacturing and Total Quality Management

Introduction, JIT Philosophy, Waste, JIT Environment, Mfg Planning and Control in JIT Environment, Lean Production, MRP (ERP), Kanban, Theory of Constraint, Define Quality, TQM, Quality Cost Concept, Process Capability, Process Control, Sample Inspection, ISO 9000, Benchmarking, JIT, TQM and MRP II.

ERP Fundamentals

Describe the concept of ERP, Develop an ERP business case, ERP is used to integrate Explain how ERP enables process changes, State the benefit of ERP, Identify the key local, Global & technological considerations for ERP implementation, Describe the tactics, tools, metrics, and methodologies available for implementing ERP, Identify common ERP pitfalls, Quantify the need for change, Calculate the return on investment (ROI) for an ERP system, Business Process Redesign, The Value Chain Process, Technology and International Considerations in Implementing ERP, Change Management and ERP Implementations, Implementing ERP, Expanding on ERP

BarCode

Barcode system and Types of Barcodes Purpose, application and usage of barcodes.

AccPac General Ledger

Introduction to G/L, Configure Common Services, G/L Setup, G/L Account Data, Entering Transactions, Post Batch to Ledger, Printing the Posting Journal, Trial Balance Report, Print Balance

AccPac Inventory Control

AccPac Inventory Control Overview of Inventory Control setup, Company Information, Processing Options, G/L integration, Setting Account Sets, Adding Inventory Items, Locations, Reorder Information, BOM, Shipment, Transfers, Returns stocking, Posting, DayEnd and Reports.

AccPac Order Entry

AccPac Order Entry Order Entry Options, Document Numbering, Ship-Via codes, Miscellaneous Charges, Templates, Salesperson Commissions, Outstanding Orders, Adding Security Options, New Orders, Order Details, Edit Tax Information, Match Price List, Order Confirmation, Pick List and packing slip Post order, Day End and Transaction Reports.

WHMIS:

Workplace Hazardous Material Information System.

Forklift Training

Full range training using Certified sites On Propane and Electric Forklift Trucks. On successful completion individuals will be awarded Certificate of Operations.

Also included will be full Microsoft Office Skills Training in MS Word, MS Excel, MS PowerPoint and MS Outlook and the Microsoft Operating System.

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600 Hours (24 Weeks) of Instructor Lead Training with plenty of hands on and one-on-one help at individual work stations