

### Supply Chain and Materials Management



**Bizzco ID SP02**

**SAQA ID NA - SP850,867,848**

**NQF Level 4**

**Min Credits 75**

**Duration 6 - 12 Months**

**MERSETA Accredited**

#### **ENTRY REQUIREMENTS?**

**Communication, Mathematical Literacy & Computer Literacy at NQF level 3**

#### **COURSE DESCRIPTION**

Understanding the entire operational side of supply chain management is a key element for any practitioner. This certification provides an in-depth look at all areas that need to be managed at a detail level which includes inventory management, distribution management, planning and scheduling, and the correct way to measure the success of these operations.

#### **WHO IS THIS COURSE FOR?**

This course is aimed at Supply Chain Practitioners who have responsibilities for activities in the warehouse. This course also provides an excellent grounding for other Supply Chain personnel who need to understand how the warehouse activities can affect their own role.

In the event that the learner requires SETA registration, the learner would need to be employed by a company. Please contact us for more information.

#### **SUPPORTING DOCUMENTS NEEDED?**

**Certified copy of ID**

**Certified copy of highest qualification**

**Employment letter/contract\***

*\*Only needed for SETA registration*



#### **DELIVERY METHODS**

**Online, Facilitated or Blended**

Speak to us about other methods of training delivery and corporate customization!

#### **Online**

Interactive self-study 2- 3 hours per day over the 12-month period.

#### **Blended**

10 - 60 Facilitation hours, depending on group size.

#### **Facilitated**

120 Facilitation hours, total of 15 days of training.

**Supply Chain and Materials Management****COURSE STRUCTURE****Module 01****What is a Supply Chain?**

Knowing what a Supply Chain is, where it starts, where it ends, as well as all the entities within in the Supply Chain is important for understanding how to manage, measure and improve the Supply Chain.

**Lessons**

01	Internal and External Supply Chains
02	Supply Chain Performance Management
03	Entities in Supply chain and Procurement
04	Strategic Supply Chain Network Design
05	Warehousing in the Supply Chain
06	Technology in the Supply Chain
07	Using Automation in the Warehouse
08	Customer Service and the Perfect Order

**Module 02****Inventory Management**

Inventory management is an impotent concept in the Supply Chain. Without effective inventory management, the company can face losses – not only financially 0 but with reputation and with customers. Understanding what inventory is, the reason we hold it is very important.

**Lessons**

01	Inventory and Inventory Management
02	Functions and Classification of Inventory
03	Company Policies and Procedures
04	Performance Measurements
05	Measuring Inventory Performance
06	Identifying non-saleable inventory
07	Safety Stock and The Bullwhip Effect
08	Sales Order Process

**Module 03****Inventory Value and Replenishment**

Each inventory item has a value and the combined value of all inventories must be accurate - why? In this module, we discover how inventory is valued and what this means to the financial statements of the business.

**Lessons**

01	Cost of Inventory
02	Inventory Valuation Methods
03	Financial Reporting in Relation to Inventory
04	Inventory Replenishment Rules
05	Functions of Purchasing and Procurement
06	Supplier Sourcing and Partnerships
07	Purchase Contract and Negotiation Process
08	Ethics as a Foundation for Business Practice

**Supply Chain and Materials Management****Module 04****Distribution Management**

This workshop focuses on the distribution network model and its objectives, activities, and distribution inventory management decisions and includes interactive exercises to present the fundamental concepts associated with the distribution environment.

**Lessons**

01	Centralised vs. Decentralised Warehousing
02	Distribution Management and Planning
03	Material Handling for Transportation
04	Mechanized and Engineered Equipment
05	Freight Management
06	Handling of Dangerous Goods
07	Import and Exports
08	Reverse Logistics

**Module 05****Importance of Customer Service**

This module emphasises the importance of customer service to a business in detail. The importance of a customer and the effects poor service has on a business. The module also addresses the impact of inventory on customer service.

**Lessons**

01	What is Customer Service?
02	Effects of Poor Customer Service on the Business
03	Standards of Customer Service
04	Impact of Inventory on Customer Service
05	The Perfect Order - Why Is It So Important?
06	Cost Of Back Orders
07	Demand And Customer Service
08	Measuring Customer Satisfaction

**Module 06****Understanding Planning & Strategy**

As businesses grow and develop, they must create a strategic plan on how this growth and development will take place.

**Lessons**

01	Strategy and Business Planning
02	Understanding the Market
03	Understanding Demand
04	Collaboration in the Supply Chain

**Supply Chain and Materials Management****Module 07****Medium Term Planning and Demand Management**

Medium term planning looks at building a sales plan which is supported by a production plan and the right strategies for manufacture.

**Lessons**

01	Sales & Operations Planning
02	Forecasting Techniques
03	Production Scheduling Environment
04	Material Requirements Planning

**Module 08****Production Control**

The lowest level of the planning hierarchy is the execution and control of production. This includes scheduling for daily jobs for manufacturing, daily management and optimising of resources.

**Lessons**

01	Understanding Capacity Requirements Planning
02	Capacity Measurements and Levelling the Load
03	Production Activity Control
04	Measuring Production Performance

**Module 09****Total Quality Management (TQM)**

This module focuses on the quality, the tools and techniques and applying statistical control can maintain quality products and manufacturing standards.

**Lessons**

01	Principles and Dimensions of Quality
02	Quality at the Source
03	Quality Inspection, Tools & Techniques
04	Quality Cost Management, Benchmarking & Statistical Control Tools

**Module 10****Lean Thinking**

Lean management is not only for businesses involved in manufacturing, but also for businesses who want to streamline their processes by eliminating waste and non-value added activities.

**Lessons**

01	Waste and Wate Elimination
02	JIT and Lean Manufacturing
03	Principles of Flow Shop Operations
04	Theory of Constraints and Continuous Improvement

**Supply Chain and Materials Management****UNIT STANDARD INFORMATION**

Type	US ID	US Title	NQF	Credits
NA	377381	Apply Total Quality Management (TQM)	NQF Level: 04	8
NA	377380	Describe the functions of purchasing and procurement	NQF Level: 04	5
NA	377360	Discuss Just in Time (JIT) and Lean Manufacturing	NQF Level: 03	5
NA	377440	Perform capacity requirements planning (CRP)	NQF Level: 04	8
NA	377386	Perform material requirements planning (MRP)	NQF Level: 04	5
NA	377364	Discuss the role of inventory in a manufacturing environment	NQF Level: 03	10
NA	377363	Apply inventory replenishment and distribution systems	NQF Level: 04	8
NA	377361	Understand the role of inventory and ordering costs	NQF Level: 03	5
NA	377382	Perform forecasting in a manufacturing environment	NQF Level: 05	8
NA	377402	Perform master scheduling in the workplace	NQF Level: 04	5
NA	377400	Perform sales and operations planning	NQF Level: 04	5
NA	377383	Planning and controlling in a manufacturing environment	NQF Level: 04	6

