

Logistics & Supply Chain Systems

1. Overview

The purpose of this Workplace Learning Programme (WLP) is to equip participants with advanced knowledge and practical skills required to apply logistics and supply chain systems, information technologies and quantitative analysis tools to support operational planning, decision-making and continuous improvement within supply chain environments.

2. Programme Outcome:

- Apply logistics and supply chain systems to support organisational planning and operational decision-making
- Evaluate business systems and information technologies used to improve logistics and supply chain performance
- Apply quantitative analysis techniques to solve logistics and supply chain management problems
- Use supply chain information systems to improve communication, coordination and operational efficiency
- Apply Lean, Six Sigma and continuous improvement principles to optimise logistics and supply chain processes
- Analyse supply chain risks and implement appropriate risk management strategies to improve operational resilience
- Apply collaborative planning, forecasting and replenishment techniques to improve supply chain integration and performance
- Evaluate logistics and supply chain performance using appropriate management tools and analytical techniques

Qualification:

Certificate of Completion

Duration:

4-Months

Programme Type:

Category B – Workplace-Based Learning Programme

Programme ID:

PA0732

NQF Level:

6

Credits:

20

Entry Requirements:

NQF Level 4 qualification (Grade 12/National Senior Certificate or equivalent)

**A choice of leveraged programmes for any person,
At any level, in any department, of any company, in any industry.**

Training Options:

Online - The SLP is delivered through a blended online support model consisting of:

Activity	Duration
Session 1: Introduction to the SLP and Formative Assessment Briefing	2 Hours
Session 2: Formative Assessment Feedback and Consultation Session	1 Hour
Session 3: Contact Session (Content Consolidation and Discussion)	2 Hours
Session 4: Examination Preparation and Revision Session	2 Hours
Total Facilitated Engagement	7 Hours

Participants will also have ongoing access to academic support through the LMS discussion forums throughout the project period.

Minimum Participants Required:

(1) Online & (1) Blended

3. Topics

Module 1: Modern Logistics and Supply Chain Management

- Logistics and supply chain management concepts
- Supply chain decision-making
- Logistics management principles
- Contemporary supply chain challenges
- Strategic, tactical and operational planning
- Business value creation through logistics

Module 2: Supply Chain Decision-Making and Performance Improvement

- Supply chain decision-making processes
- Business process improvement
- Benchmarking • Balanced Scorecard
- Total Quality Management (TQM)
- Change management
- Outsourcing strategies

We trust that the above is in order and look forward to hearing from you for Implementation

Module 3: Logistics and Supply Chain Systems

- Logistics and supply chain systems
- Business systems
- Environmental management systems
- Lean integration
- Quality management systems
- Supply chain management software
- Systems thinking

Module 4: Supply Chain Information Systems

- Supply chain information systems
- Enterprise systems
- E-commerce applications
- Barcode and identification technologies
- Information system architecture
- Digital technologies in supply chains
- Information system implementation and evaluation

Module 5: Quantitative Analysis and Continuous Improvement

- Quantitative analysis techniques
- Distribution Resource Planning (DRP)
- Lean supply chains
- Six Sigma
- Waste reduction
- Continuous improvement
- Supply chain risk management
- Collaborative Planning, Forecasting and Replenishment (CPFR)

Module 6: Financial Decision Analysis

- Index numbers
- Time value of money
- Compound interest
- Net present value (NPV)
- Evaluating investment decisions
- Spreadsheet applications for financial analysis

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4. Assessments

Participants will be assessed through a combination of practical assignments, logistics and supply chain case studies, workplace-based applications, quantitative analysis activities and an integrated summative assessment designed to evaluate the application of logistics and supply chain systems in real-world contexts.

Successful participants will receive a certificate of completion.

5. Workplace-Based Learning Programme

This WLP is a fusion of academic learning and practical work. The learning is directly applied to the workplace by using client-based mentors and extensive workplace-based portfolio work and assignments. Apart from the obvious benefits of a workplace directed qualification, each WLP qualifies for recognition as a Category B Skills Programme in the Learning Matrix of the Amended BEE codes, which allows for the salaries of participants to be recognized as part of the Skills Development Expenditure.

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