

**BQA NCQF Qualification Template**

DNCQF.FDMD.GD04

Issue No.: 01

QUALIFICATION SPECIFICATION SECTION A						
<b>QUALIFICATION DEVELOPER</b>		BAISAGO UNIVERSITY				
<b>TITLE</b>	Bachelor of Commerce in Transport Management & Logistics				<b>NCQF LEVEL</b>	7
<b>FIELD</b>	Business, Commerce and Management Studies		<b>SUB-FIELD</b>	Transport Management and Logistics		
New qualification		✓	Review of existing qualification			
<b>SUB-FRAMEWORK</b>	General Education			TVET		Higher Education
<b>QUALIFICATION TYPE</b>	Certificate			Diploma		Bachelor
	Bachelor Honours			Master		Doctor
<b>CREDIT VALUE</b>					480	
RATIONALE AND PURPOSE OF THE QUALIFICATION						
<p>Transport Management, Logistics and Supply Chain Management are becoming increasingly critical to organizational efficiency and effectiveness in the contemporary business world. The Botswana National Development Plan (NDP11) states that reforms will be undertaken to facilitate movement of goods and services with a view to reducing the cost of doing business. Trade facilitation reforms will include simplification and streamlining of import and export procedures, as well as modernization of border procedures and control techniques. Therefore, to support this objective, there is need for training and skills development in the field of Transport Management and Logistics.</p> <p>Additionally, Botswana Vision 2036 states that transport and logistics is an essential service for Botswana, as they support the movement of goods and services. In purview of this assertion, the Government has stated its commitment to the development of the transport sector into a regional corridor, an objective which is only possible through private sector participation in the development of infrastructure.</p> <p>The need for trained practitioners in transport management and logistics is also asserted by the Human Resources Development Council (HRDC), where transport and logistics has been identified as a top occupation in high demand based on the sub-sector growth and potential for creation of employment.</p> <p><b>Purpose</b></p> <p>This qualification is intended to close the gap in the industry by developing competent logistician who can:</p>						

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| <ul style="list-style-type: none"> <li>i. Plan and manage logistics and supply chain management principles, processes and procedures.</li> <li>ii. Conduct research and implement cost effective solutions to assist enterprises enhance their competitive advantage in the context of a logistics and/or supply chain.</li> <li>iii. Develop and operate an integrated logistics, supply management, warehousing, inventory, transport and sustainable business relationships in a business environment.</li> <li>iv. Monitor and maintain quality systems in logistic through the effective use of information technology, human resources and accounting processes.</li> </ul> |
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**ENTRY REQUIREMENTS (including access and inclusion)**

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| <ul style="list-style-type: none"> <li>i. Applicants must have obtained at least NCQF Level IV, Certificate IV Botswana General Certificate of Secondary Education or its equivalent, with at least a pass in any five subjects, including English language.</li> <li>ii. Candidates must have successfully completed NCQF Level 6 (Diploma) or its equivalent in Transport Management and Logistics or a related discipline, from a recognised institution.</li> <li>iii. Applicants who do not meet the requirements above may be considered through RPL and CAT policies for access and inclusion as per BQA/ national policy.</li> </ul> |
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QUALIFICATION SPECIFICATION		SECTION B
GRADUATE PROFILE (LEARNING OUTCOMES)	ASSESSMENT CRITERIA	
1. Analyze supply chain management principles and operational concepts century	1.1 Describe how to customize the logistics network to the service requirements. 1.2 Explain the importance of logistic elements and describe how they affect supply chain management. 1.3 Hypothesize demand planning across the supply chain using information from market signals. 1.4 Apply the lean techniques in supply management. 1.5 Develop a supply chain-wide technology strategy that supports multiple levels of decision making. 1.6 Select channel-spanning performance measures to gauge collective success in reaching the end-user effectively and efficiently.	
2. Integrate materials management function over the logistics and supply chain operations.	2.1 Apply 5 Rs of Materials Management in logistics and supply chain operations 2.2 Synthesize the key objectives of Material Management. 2.3 Analyze the materials in storage, handling, packaging, shipping distributing and standardizing. 2.4 Point out the functions of the purchasing manager	
3. Provide technical support in distribution practices	3.1 Diagram the channels of distribution available to firms 3.2 Classify Place and distribution intermediaries 3.3 Categorize place and distribution strategies 3.4 Relate Marketing Mix Place and Distribution strategy	
4. Align the management of a supply chain with corporate goals and strategies.	4.1 Interpret concept of 'best practice' as it applies to supply chain management. 4.2 Analyze the Fundamental Strategies and Best Practices that drive Supply Chain Excellence" 4.3 Design a typical supply chain management aligned to organizational objectives 4.4 Critique typical supply chain management organizational design	

	<p>4.5 Select appropriate Contract Management Strategies for an organization</p> <p>4.6 Recommend the best practices in supply chain management</p>
5. Validate forecasting and inventory management theories and methodologies	<p>5.1 Describe forecasting as it applies in inventory management</p> <p>5.2 Contrast different types of forecasting methods</p> <p>5.3 Differentiate long term and short term inventory forecasting models</p> <p>5.4 Prioritize forecasting methods</p> <p>5.5 Apply various purchasing method and inventory controlling techniques into practice.</p>
6. Select appropriate warehousing and transportation options for an organization.	<p>6.1 Determine available warehousing and transportation options available</p> <p>6.2 Assess the strengths and weaknesses of the major modes of transportation.</p> <p>6.3 Measure the risk and costs associated with each method of warehousing and transportation</p> <p>6.4 Analyze the political, regulatory and legal issues of the transportation system</p> <p>6.5 Utilize the most effective and efficient mode of transport</p>
7. Apply the basics of financial management including cost and managerial accounting	<p>7.1 Prepare basic financial statements</p> <p>7.2 Compile budgets using accounting principles</p> <p>7.3 Generate and critic variance analysis</p> <p>7.4 Validate assumptions that underlie the financial analysis of any project using case studies.</p>
8. Measure the contribution of logistics and transport management to customer service satisfaction and the creation of value	<p>8.1 Identify the inter relationship between customer service and transportation and logistics in a work situation</p> <p>8.2 Develop competitive distribution strategies to create customer value</p> <p>8.3 Apply appropriate inventory techniques to improve stock availability and reduce order cycle time for increased customer satisfaction</p> <p>8.4 Evaluate transport management efficiency and effectiveness in meeting set objectives.</p>

QUALIFICATION STRUCTURE			
SECTION C			
FUNDAMENTAL COMPONENT Subjects / Units / Modules /Courses	Title	Level	Credits
	Principles of Business Management	5	12
	Computing & Information Skills	5	12
	Business Communication	5	12
	Principles of Economics	5	12
	Business Statistics	6	12
CORE COMPONENT Subjects / Units / Modules /Courses	Principles of Financial Accounting	6	12
	Principles of Marketing	6	12
	Production Operations Management	7	12
	Quantitative Modelling	6	12
	Introduction to Logistics Management	7	12
	Introduction to occupational health & safety management	7	12
	Transport Economics	6	12
	Commercial Law	6	12
	Warehousing and Inventory Management	6	12
	Procurement and Supply Chain Management	6	12
	Environmental Management in Logistics	6	12
	Intelligent Transport and Logistics Systems	7	12
	Transport Management	6	12
	International Logistics Management	7	12
	Project Management	7	12
	Industrial Attachment	7	60
	Rational Decision Making	7	12
	Import/Export Documentation Customs	7	12
	Transport Marketing	7	12
	Integrated Logistics	7	12
	Research Methods	7	12
	Shipping, Forwarding and Transportation Broking	7	12
	Logistics and Distribution Management	7	12

	Transport Policies and Analysis	8	12
	Strategic Transport and Logistics Management	7	12
	Transport Planning and Investment	8	12
	E-commerce	7	12
	Transport Costing and Pricing Management	8	12
	Research Project	7	24
	Supplier Relationship Management	7	12
<b>ELECTIVE COMPONENT</b> <b>Subjects / Units / Modules /Courses</b>	Introduction to Retail Management	7	12
	Globalization and International Business	7	12
	Corporate Governance & Business Ethics	7	12
	Enterprise Risk Management	7	12

**Rules of combinations, Credit distribution (where applicable):**

Level 5 credits = 48

Level 6 credits = 120

Level 7 credits =300

Level 8 credits = 36

**Total credits = 504**

The credit combination for this qualification is made up of 60 fundamental component, 420 credits from the core component and 24 credits from the elective component where candidates would choose two modules.

**ASSESSMENT & MODERATION ARRANGEMENTS**

Assessment and Moderation is conducted by Assessors and Moderators who have been registered with the Botswana Qualifications Authority (BQA).

**Assessment**

All assessments which are leading to the award of the qualification should be based on learning outcomes and associated assessment criteria.

**i. Formative assessment**

The weighting of formative assessment is 40 % of the Final assessment mark which will accrue from Assignments, In-class Test, and Mid-term Examination.

**ii. Summative assessment**

The weighting of summative assessment is 60 % of the Final assessment mark which will accrue from final examinations.

### **Internal Moderation Requirements**

- i. All assessment instruments should be internally moderated before administration
- ii. The preparation of the moderation should be accompanied by the Assessment Matrix

### **External Moderation Requirements**

- i. Following Internal Moderation, a sample of assessment items will be reviewed by the External Examiner.
- ii. All items reviewed by the External Examiner will have been subject to Internal Moderation, although not all items scrutinised by the External Examiner will have been second marked.
- iii. The role of the External Examiner is to provide an objective, external engagement with the assessment items to ensure that they have been graded reliably and reflect the required academic standards set. External moderation will be carried as follows:
  - The sample size within a module will be at least 10% of work from each assessment item.
  - The sample should be taken from all modules in those levels which contribute to the final award classification.
  - The sample will contain items that were chosen for internal second marking and those that were not.
  - A copy of the Assessment Moderation Form is available to all External Examiners for recording purposes.

Assessment and moderation will be carried out by BQA registered assessors and moderators in line with BQA/ national policies.

### **RECOGNITION OF PRIOR LEARNING (if applicable)**

Recognition of Prior Learning (RPL) and Credit Accumulation Transfer (CAT) will be applicable for consideration for award in this qualification.

### **PROGRESSION PATHWAYS (LEARNING AND EMPLOYMENT)**

#### **Learning Pathways**

##### ***Horizontal Articulation:***

- Bachelor of Commerce: Transport management
- Bachelor of Commerce: Supply Chains and Logistics
- Bachelor of Commerce: Fleet Management & Logistics

### **Vertical Articulation**

- Master of Commerce in Transport Management and Logistics
- Master of Commerce in Global Transport Management

### **Employment Pathways**

- Logistics Managers
- Materials Managers
- Import/Export Managers
- Warehouse and Stock managers
- Supply Chain Managers
- Distribution Managers
- Transport Managers
- Logistics Consultants
- Logistics Analysts
- Transport Policy Analysts
- Logistics Systems Analysts
- Urban Transport network planners
- Regional Transport Planners
- Safety Officers
- Multi-Modal Coordinators
- Alliance Managers
- Quality Control Managers.

### **QUALIFICATION AWARD AND CERTIFICATION**

To be eligible for the award, candidates must have successfully completed all fundamental, core and elective modules and passed examinations in accordance with regulations set by the faculty. The Bachelor of Commerce in Transport Management and Logistics certificate will be awarded to candidates who have obtained a minimum of 504 credits.

### **REGIONAL AND INTERNATIONAL COMPARABILITY**

The proposed qualification has been benchmarked with the following:

#### **1. Bachelor of Commerce in Transport and Logistics - University of South Africa (UNISA)**



When compared with UNISA's Bachelor of Commerce in Transport and Logistics the qualifications are at NCQF Level 7 and bot focuses on Logistics and Transportation. The notable differences are found in the credits and duration period. UNISA's qualification bears 360 credits over duration of 3 years while the proposed qualification will run for 4 years at 504 credits. Additionally the proposed qualification has inclusion of the modules Research Project, Industrial Attachment, Environmental Logistics (covering the subject of Environment and Sustainability) which are not covered by UNISA.

### **2. Bachelor of Business Administration (BBA) in Logistics and Supply Chain Management - Open Learning Group (RSA)**

The qualification Bachelor of Business Administration in Logistics and Supply Chain Management is presented through a blended mode of delivery, offering limited contact classes combined with open distance learning, which provides much needed flexibility for the full-time employed individual. Students can also apply at an OLG Learning Hub for additional distance learning support. The proposed qualification mainly focuses on transport management and logistics, with no major emphasis on supply chain unlike BBA in Logistics and Supply Chain which focuses much on supply chain management and logistics. Despite these differences, both qualifications adequately cover the concept of logistics. Also the proposed Bachelor of Commerce in Transport and Logistics has a compulsory industrial attachment unlike the qualification for Open Learning Group. Moreover the proposed qualification attracts a minimum of 504 credits in a period of 4 year while the qualifications offered by the Open Learning Group have a minimum credit value of 360.

### **3. Bachelor of Business Administration (BBA) in Logistics and Transportation - University of Utara (UUM), Malaysia.**

Similarly as the proposed qualification, the BBA in Logistics and Transportation offered by University of Utara Malaysia (UUM) is at NCQF Level 7, running for a duration of 4 years. Both qualifications have focus on Logistics and Transport aspects. The difference is seen in the inclusion of the modules Environmental Logistics, Research Project and Industrial Attachment by the proposed qualification.

#### **REVIEW PERIOD**

This qualification will be reviewed after 5 years upon registration.