

QUALIFICATION SPECIFICATION							
SECTION A							
QUALIFICATION DEVELOPER		Mega Size College					
TITLE		Bachelor of Science in Procurement and Supply Chain Management				NCQF LEVEL	7
FIELD	Business, Commerce And Management Studies		SUB-FIELD	Management Studies			
New qualification		✓	Review of existing qualification				
SUB-FRAMEWORK		General Education			TVET		Higher Education
QUALIFICATION TYPE		Certificate			Diploma		Bachelor
		Bachelor Honours			Master		Doctor
CREDIT VALUE						515	
RATIONALE AND PURPOSE OF THE QUALIFICATION							
Rationale The Human Resources Development Council Top Occupations in Demand (HRDC 2016) has identified the transport and logistics sector as a priority area for skills development based on the sub-sectors growth and potential for creation of employment. Further, the National Development Plan (NPD11) asserts the need for qualified personnel in procurement, logistics and supply chain management. The Plan states that the country would undertake reforms to facilitate the movement of goods and services, for efficiency and effectiveness, through the simplification and streamlining of import and export procedures, as well as the modernization of border procedures and control techniques. The Botswana's Vision 2036 (2015:15-19) explains that transport and logistics sector in Botswana are playing a central role in bankrolling the economic activities through their supporting of the movement of goods and services. In acknowledgement of these positive contributions, the Botswana Government has set among its priorities the development of the transport sector by driving infrastructural development. The Vision 2036 (2015:17) further explains that procurement and supply chain services are essential for the economy to support the procurement and movement of persons, goods and services.							

Supply Chain professionals remain in high demand in Botswana (HRDC, Top Occupations in High Demand, Dec, 2016, p3). As espoused in the Botswana Vision 2036, Transport and Logistics are enablers of other business sectors as they play a key role in the facilitation of all sectors, hence the need to develop the Degree programme in Procurement and Supply. To this end it should be noted that Procurement and Supply involves both transport and logistics. The skill demand in this area is also supported by the HRDC Labour Market Observatory which identifies transport and logistics as critical drivers of all other sectors from Health, Education, ICT, Research & Innovation, to Science & Technology. Botswana will be developing into a regional transport corridor moving and connecting people goods and services with the rest of the world (Vision, 2036, p. 18).

Purpose

The purpose of this qualification is to produce graduates with specialised knowledge, skills and competences to:

- Demonstrate an in-depth understanding of logistics in the supply chain operations.
- Apply current purchasing and supply strategies.
- Select, apply and analyse appropriate information and effectively communicate and disseminate information within the procurement and supply chain environment.
- Conduct research and utilize relevant models, procedures, tools and techniques to solve procurement and supply chain challenges.
- Demonstrate sound financial management principles in a procurement and supply chain environment.

ENTRY REQUIREMENTS (including access and inclusion)

The minimum entry requirements:

- Certificate IV, NCQF level 4 in General Education with passes in five subjects with a C, or better in English and Mathematics or any relevant equivalent qualification at NCQF Level 4.
- There will be provision for RPL and CAT admission according to the National RPL and CAT policies

SECTION B QUALIFICATION SPECIFICATION	
GRADUATE PROFILE (LEARNING OUTCOMES)	ASSESSMENT CRITERIA
1. Demonstrate knowledge and understanding of a range of supply chain processes and how they have evolved over the years	1.1 Use the supply chain principles in dealing with suppliers during the supply chain processes in the entire supply chain system. 1.2 Follow a range of supply chain processes when dealing with supplies 1.3 Give an informed opinion to seniors at work on the competitive value of supply chain processes 1.4 Apply world-class supply chain processes on their daily operations in the supply chain system 1.5 Use knowledge gained on the supply chain processes in their supply chain functions. 1.6 Make recommendations on appropriate transportation mode in supply chain processes taking into account how they have evolved over the years 1.7 Give an informed opinion at work on the nature and scope of supply chain functions as it has evolved over the years and its applicability to their line of duty 1.8 Examine the strategic role of purchasing in the value chain.
2. Demonstrate an in-depth understanding of logistics systems.	2.1 Demonstrate an understanding of the competitive value of logistics. 2.2 Identify and explain the focus of world-class warehouse operations. 2.3 Apply the concept of Product Process Categories (PPC) in the logistic system function 2.4 Identify and explain the logistics functions. 2.5 Evaluate the cost and service trade-offs involved in packaging. 2.6 Apply the principles of transportation as part of the logistic system.

	2.7 Identify and explain the nature and scope of Operations Management functions.
3. Apply current purchasing and supply strategies.	3.1 Research and synthesize latest trends in supply chain process efficiencies 3.2 Examine changing supply chain environments and be able to solve problems that could arise from such changes 3.3 Plan, implement, and supervise best supply chain strategies that will enable businesses to gain competitive advantage 3.4 Carry out organizational procurement and supply
4. Conduct research on a particular identified problem in logistics	4.1 Formulate a research problem and draft research questions, purpose and objectives in context of existing literature. 4.2 Apply knowledge gained on different types of research design in solving problems in logistics 4.3 Apply scientific research methodologies in investigating problems in logistics 4.4 Draft a research proposal addressing problems in logistics 4.5 Present and justify a project proposal which aims to investigate logistics problems
5. Recognise of the role of the purchasing and supply management function within an organisation.	5.1 Evaluate the purchasing and supply chain models 5.2 Analyse quality service operations in the supply chain. 5.3 Analyse the factors that influence purchasing and supply chain network structure, purchasing and supply management business processes and decisions. 5.4 Use knowledge gained in purchasing and supply in cross functional operations involving supply management and other functional areas of business.
6. Apply the theoretical knowledge base of the logistics in the supply chain operations	6.1 Demonstrate an understanding of the functions of logistics in supply chain management chain operations

	6.2 Use the integrated theory of logistics in the supply chain management operations 6.3 Solve problems related to supply chain operations using theories of logistics management 6.4 Analyse the application of seamless integration of logistics and supply chain operations
7. Apply appropriate information and effectively communicate and disseminate information within the logistics and supply chain environment.	7.1 Communicate effectively using knowledge gained on methods of effectively communicating by disseminating information within the logistics and supply chain environment. 7.2 Apply knowledge gained by effectively communicating with stakeholders in the supply chain network. 7.3 Apply the process of problem solving and decision making in the project management context; 7.4 Review the various role-players and stakeholders within the project management process;
8. Apply knowledge gained by utilizing relevant models, procedures, tools and techniques in solving logistics and supply chain challenges	8.1 Identify the variables in the project environment and examine the project management constraints to make sure projects are completed within time, budget, scope and with the required quality; 8.2 Identify and assess all required resources (people, equipment, facilities, funding) required for effective project management; 8.3 Solve logistics and supply chain challenges through the application of project life cycle as a model of solving logistics and supply chain challenges 8.4 Apply the process of resource prioritisation in allocation of resources techniques in solving logistics and supply chain challenges 8.5 Apply budget control measure techniques in solving logistics and supply chain challenges
9 . Demonstrate sound financial management principles in a	9.1 Apply the principles of financial management in a logistics and supply chain environment.

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logistics and supply chain environment.	9.2 Apply knowledge of basic bookkeeping in a logistics and supply chain environment. 9.3 Apply rules of double entry
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QUALIFICATION STRUCTURE			
			SECTION C
FUNDAMENTAL COMPONENT Subjects / Units / Modules /Courses	Title	Level	Credits
	Introduction to Business Communication and Study Skills.	5	10
	Introduction to Business Economics	5	10
	Information Communication Technology (ICT)	5	10
	Introduction to Business Management	5	10
	Introduction to Statistics.	5	10
	Essentials of Entrepreneurship	5	10
CORE COMPONENT Subjects / Units / Modules /Courses	Business Law	6	10
	Principles of Management	6	10
	Financial Accounting	6	10
	Principles of Procurement	6	10
	Principles of Marketing	6	10
	Logistics Management	7	15
	Operations & Project Management	7	15
	Supply Chain Management	7	15
	Procurement Management.	7	15
	Public Relations & Customer Care	7	15
	Procurement & Supply Law 1&2	7	30
	Corporate Strategic & Planning	7	15
	Strategic & Global Sourcing Management	7	15
	E-Commerce	7	15

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	Global Supply Chain Management	7	15
	Storage & Supply of Material	7	15
	Systems & Total Quality Management	7	15
	Research Methods	7	15
	Stores, Inventory Management & Stock Control	7	15
	Operations Research for Business	7	15
	Strategic Supply Chain Management	7	15
	Performance Measurement & Evaluation	7	15
	Industrial Attachment	7	45
	Research Project	7	20
	Global Marketing Management.	7	15
	Procurement Strategies	7	15
	Principles of Accounting for Fleet Management	7	10
ELECTIVE COMPONENT (SELECT TWO) Subjects / Units / Modules /Courses	Management Information Systems	7	15
	Leadership Development	7	15
	Strategic Management	7	15
	Organizational Behaviour	7	15
	Management Theory and Practice	7	15
	Total Quality Management	7	15
	Corporate Social Responsibility	7	15
	Project Management	7	15
	Quantitative Methods for Management	7	15
	Labour Relations	7	15
Rules of combinations, Credit distribution (where applicable):			
Level 5 consists of 60 credits			
Level 6 consists of 50 credits			
Level 7 consists of 405 credits			
Total Credits = 515			
The credit combination for this qualification is from 60 fundamental components, 425 core components and the remaining 30 is from elective components where the candidate has to choose any two.			

MODULE	PRE-REQUISITE
Introduction to Statistics	Financial Accounting
Introduction to Statistics	Principles of Accounting for Fleet Management
Procurement Management	Principles of Procurement
Strategic Supply Chain Management	Supply Chain Management
Procurement & Supply Law 2	Procurement & Supply Law 1
Global Supply Chain Management	Supply Chain Management
Research Project	Research Methods

ASSESSMENT AND MODERATION ARRANGEMENTS

Formative assessment and Summative assessment

Both Formative assessment and Summative assessment will be administered in accordance with outcome based assessment procedures. Formative assessment or continuous assessment contributing towards the award of credits should be based on course outcomes. The contribution of formative assessment to the final grade shall be 60% which is higher than the summative assessment which will contribute 40%.

Moderation

There will be provision for moderation (internal and external, pre and post) arrangements for the qualification through BQA accredited and registered moderators.

RECOGNITION OF PRIOR LEARNING (if applicable)

There will be provision of awarding of a this qualification through RPL and CAT means according to the national RPL and CAT policies as per the NCQF requirements.

PROGRESSION PATHWAYS (LEARNING AND EMPLOYMENT)

ARTICULATION PATHWAYS

Systemic articulation is possible horizontally and vertically with qualifications offered by other institutions, provided students meet the minimum admission requirements. The possibilities are:

Horizontal Articulation:

This qualification articulates horizontally with the following qualifications:

- Bachelor of Commerce: Supply Chain Management, Level 7.

- Bachelor of Arts: Purchasing and Logistics, Level 7.

Vertical Articulation:

This qualification articulates vertically with the following qualifications:

- Bachelor of Commerce Honours: Marketing and Supply Chain Management, Level 8.
- Bachelor of Commerce Honours: Supply Chain Management, Level 8.
- Post Graduate Diploma in Business Management (PGDBM) and other various Postgraduate programmes;
- The Bachelor of Commerce (Honours) in Supply Chain Management;
- Masters degree in Supply Chain Management or Logistics and Transportation Management

EMPLOYMENT

The course is aimed principally at providing graduates who can operate as independent consultants or be employed fulltime in both the public and private sector.

Graduates can pursue their careers in procurement and supply. There is a broad range of career opportunities, including but not limited to;

- Purchasing Officer,
- Merchandising Executive,
- Buyer
- Procurement / Purchasing Executive
- Procurement Specialist
- Contract Officer
- Supply Chain / Inventory / Logistics Analyst or Specialist

QUALIFICATION AWARD AND CERTIFICATION

QUALIFICATION AWARD

This qualification will lead to the awarding of a Bachelor of Science in Procurement and Supply Chain Management in accordance with standards prescribed for the award of the qualification and applicable policies. The Bachelor of Science in Procurement and Supply Chain Management will be awarded to candidates who have obtained a minimum of 515 credits.

CERTIFICATION

Candidates who fulfil all the requirements will be issued with a certificate and transcript in Bachelor of Science in Procurement and Supply Chain Management.

REGIONAL AND INTERNATIONAL COMPARABILITY

The qualification was benchmarked with other similar qualifications regionally and internationally. Regionally it was compared with Bachelor of Commerce (B Com) in Supply Chain Management from the University of Pretoria. Internationally the qualification was compared to Bachelor of Procurement and Logistics offered by KCA University and Bachelor of Science in Marketing – Supply Chain Management offered by the University of South Florida.

The qualifications examined generally follow similar structures and standards. The qualifications compared to are all offered at a level equivalent to NCQF level 7 and are the same qualification type.

There are some differences identified between this qualification and the qualifications compared to. The titles of the qualifications differ and some qualifications emphasize on developing competences in procurement & sourcing or transport and logistics while others focus on developing competences in the whole supply chain value chain covering procurement, warehousing, transport & logistics, operations management as well as all other supply chain functions.

The other difference is the duration. The University of Pretoria and the KCA University offer their qualifications for a period of three (3 years) while the proposed qualification will be offered for a duration of (3) years.

The KCA University's Bachelor in Procurement and Logistics is similar with the proposed qualification as it compares well in terms of modules. However, what makes the proposed qualification unique and relevant to today's highly competitive and changing environment, is the provision for development of attributes such as application of technology in supply chain management, teamwork, decision making, negotiation, conflict management, working ethically, research work and practical experience (work related attachment) which are critical for a graduate with qualifications in Supply Chain Management.

REVIEW PERIOD

The qualification will be reviewed after five years.