

	<b>BQA NCQF QUALIFICATION TEMPLATE</b>	Document No.	DNCQF.QIDD.GD02
		Issue No.	01
		Effective Date	04/02/2020

SECTION A: QUALIFICATION DETAILS													
<b>QUALIFICATION DEVELOPER (S)</b>				GABORONE UNIVERSITY COLLEGE OF LAW AND PROFESSIONAL STUDIES									
<b>TITLE</b>		CERTIFICATE V IN POULTRY PRODUCTION								<b>NCQF LEVEL</b>		5	
<b>FIELD</b>		AGRICULTURE AND NATURE CONSERVATION		<b>SUB-FIELD</b>		POULTRY PRODUCTION				<b>CREDIT VALUE</b>		1 2 0	
New Qualification						✓		Review of Existing Qualification					
<b>SUB-FRAMEWORK</b>		General Education				TVET		✓		Higher Education			
<b>QUALIFICATION TYPE</b>		Certificate	I	II	III	IV	V	✓	Diploma		Bachelor		
		Bachelor Honours				Post Graduate Certificate						Post Graduate Diploma	
		Masters						Doctorate/ PhD					

RATIONALE AND PURPOSE OF THE QUALIFICATION													
<p><b>RATIONALE:</b></p> <p>The NDP11 indicates that Botswana aims to expand its poultry products exports. This task calls for specialised skills to enable the poultry sector to grow. This qualification is a means to this end. The qualification addresses the urgent need for skills to expand the industry, especially within the SMEs sector. This will allow SMEs to operate on a more professional basis. The qualification embodies the international requirements for poultry handling and care that will ensure the production of high-quality poultry.</p> <p>The HRDC Top Occupations Report (2016) also highlights that there is a short supply of skilled manpower in the agricultural sector in Botswana. The report outlines that the poultry sector does not have skilled personnel.</p>													

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This is reflected by the Ministry of Agriculture, reporting that the poultry sector is haunted by new set of diseases which the unqualified people cannot be able to handle. This qualification and the resultant skills that are learnt will make a positive contribution to the establishment and improvement of poultry farming both at commercial level and in the rural areas that can serve the communities and the local markets.

There is a growing demand for high qualifications in animal husbandry in Botswana. However, due to strict entry requirements for such qualifications there is limited access to such higher qualifications. This qualification is an ideal foundation for learners to progress to higher level qualifications such as level 6 and 7 qualifications in the field of agriculture. Also, this qualification aligns well to the aspirations of Botswana's Vision 2036 that seeks to promote self-reliant skills amongst the citizens of Botswana. This qualification equips the learners for both theoretical appreciation of poultry production as well as practical skills that help them to do poultry projects on their own.

The need for this qualification is emphasised in the GUC Needs Assessment Report (2018) (*see attached report*) where the key stakeholders expressed a bold need for the qualification, stating that it helps to revitalise the poultry production sector which is a significant foreign currency earner in Botswana. Also, it was highlighted that the qualification helps to reduce unemployment amongst the youth because it promotes self-reliance.

#### **PURPOSE:**

The purpose of this qualification is to equip students with skills and knowledge and competencies to:

- Maintain the poultry house environmental control equipment.
- Feed, rear and ensure primary care of poultry.
- Apply poultry biosecurity on a production farm.
- Maintain poultry health care, including medication and vaccination.
- Operate and maintain poultry feeders, drinkers and, feeding and drinking systems.

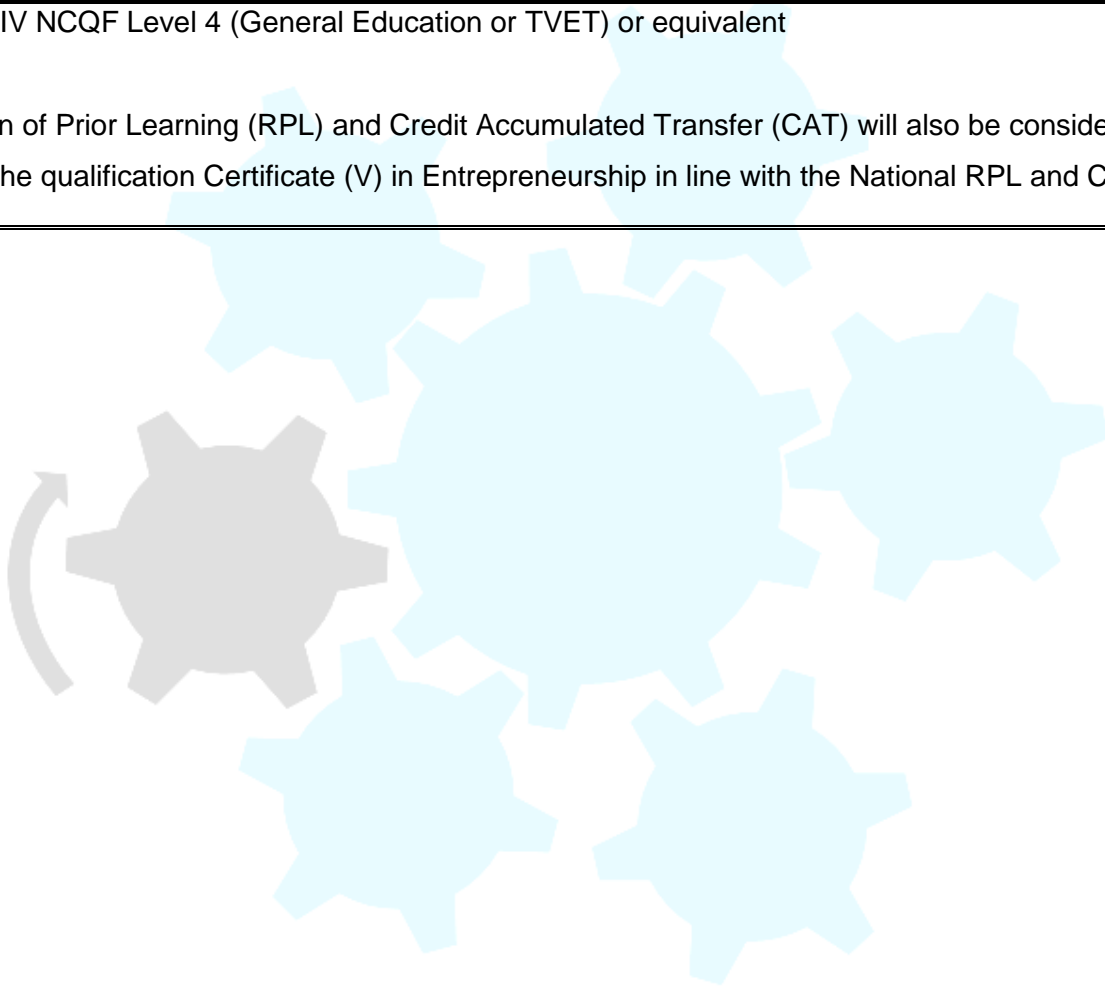
#### **ENTRY REQUIREMENTS (including access and inclusion)**


To be admitted into the qualification, the candidate must have satisfied the minimum conditions for entry outlined below:

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Certificate IV NCQF Level 4 (General Education or TVET) or equivalent

Recognition of Prior Learning (RPL) and Credit Accumulated Transfer (CAT) will also be considered for access to the qualification Certificate (V) in Entrepreneurship in line with the National RPL and CAT Policies.




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<b>SECTION B</b>		<b>QUALIFICATION SPECIFICATION</b>	
<b>GRADUATE PROFILE (LEARNING OUTCOMES)</b>		<b>ASSESSMENT CRITERIA</b>	
1. Demonstrate broad technical knowledge of the poultry industry and role it plays in the production of food for the population		1.1 Determine sources of breeding material for the various sectors of the poultry industry. 1.2 Illustrate the contribution that the poultry industry has in providing food security for the population.	
2. Demonstrate understanding of underlying concepts of the anatomy and physiology of poultry.		2.1 Classify major components of the body structure and their functions during a discussion with industry workers. 2.2 Categorise components of the cardio and respiratory system and their functions in poultry. 2.3 Monitor the reproductive systems of poultry and the process for the formation of an egg.	
3. Apply a broad range of principles and procedures of health and safety that are necessary in a poultry production facility		3.1 Detail proper health and safety procedures in poultry production. 3.2 Operate safe transporting of workers and equipment. 3.3 Demonstrate correct procedures to follow in the case of an emergency.	
4. Perform complex components that are used in poultry feeds and the function of these in the promotion of health and growth		4.1 Explain the digestive system of poultry to poultry farmers. 4.2 Use conversion ratio in broiler production. 4.3 Detail the importance of various diets for poultry 4.4 Feed poultry appropriate diet.	

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<p>5. Demonstrate the importance of providing constant clean water for the continued health of poultry.</p>	<p>5.1 Validate functional requirements for water in poultry production</p> <p>5.2 Maintain water systems for constant clean water for poultry.</p> <p>5.3 Utilize water consumption patterns in poultry</p>
<p>6. Diagnose the dangers that microscopic organisms pose to biosecurity in a poultry production facility.</p>	<p>6.1 Create strict bio-security procedures on poultry farms.</p> <p>6.2 Establish ways in which pathogens may be introduced onto the farms and the precautions that must be taken.</p> <p>6.3 Carry out procedures to minimise occurrence of microscopic organisms in a poultry farm.</p>

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<b>SECTION C</b>	<b>QUALIFICATION STRUCTURE</b>				
<b>COMPONENT</b>	<b>TITLE</b>	<b>Credits Per Relevant NCQF Level</b>			<b>Total</b> <b>(Per Subject/</b> <b>Course/</b> <b>Module/</b> <b>Units)</b>
		<b>Level [ 5 ]</b>	<b>Level [ ]</b>	<b>Level [ ]</b>	
<b>FUNDAMENTAL COMPONENT</b>  <i>Subjects/ Courses/ Modules/Units</i>	Introduction to Information Technology	20			<b>20</b>
	Entrepreneurial Skills	20			<b>20</b>
<b>CORE COMPONENT</b>  <i>Subjects/Courses/ Modules/Units</i>	Introduction to Poultry Production	20			<b>20</b>
	Poultry Production and Management	20			<b>20</b>
	Incubation and Hatchery Management	20			<b>20</b>
	Poultry Nutrition and Feed Mill Technology	20			<b>20</b>
<b>ELECTIVE/ OPTIONAL COMPONENT</b>  <i>Subjects/Courses/ Modules/Units</i>					

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<b>SUMMARY OF CREDIT DISTRIBUTION FOR EACH COMPONENT PER NCQF LEVEL</b>	
<b>TOTAL CREDITS PER NCQF LEVEL</b>	
<b>NCQF Level</b>	<b>Credit Value</b>
<b>5</b>	<b>120</b>
<b>TOTAL CREDITS</b>	<b>120</b>
<b>Rules of Combination:</b> <b>(Please Indicate combinations for the different constituent components of the qualification)</b>	
<p>Fundamental components: 40 credits</p> <p>Core components: 80 credits</p> <p>Total: 120 credits</p>	

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### **ASSESSMENT ARRANGEMENTS**

**Both assessment and moderation arrangements will be conducted by BQA registered and accredited moderators and assessors.**

#### **Assessment**

All assessments leading to the awarding of this qualification will be based on learning outcomes associated with the following assessment criteria.

1. **Formative assessment** (40%)
2. **Summative assessment** (60%)

### **MODERATION ARRANGEMENTS**

**There shall be provision for both Internal and External moderation**

### **RECOGNITION OF PRIOR LEARNING**

Provision of RPL for award of the qualification will be in line with the National RPL Policy.

### **CREDIT ACCUMULATION AND TRANSFER**

Credit transfer will be applied in line with National CAT Policy.

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

#### **Learning Pathway**

The graduates can progress academically into the following Agricultural qualifications:

#### **Vertical Progression**

- Diploma in Agriculture (Animal Breeding) – Level 6
- Diploma in Agricultural Management – Level 6

#### **Horizontal Progression**

- Certificate V in Crop Science
- Certificate V in Veterinary



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- Certificate V in Agriculture Management

### **Diagonal Progression**

- Diploma in Agriculture and Nature Conservation – Level 6

### **Employment Pathways**

Graduates of this qualification will find employment in sectors such as agricultural sector for positions of;

- Poultry production manager
- Poultry abattoir worker

### **QUALIFICATION AWARD AND CERTIFICATION**

Learners who successfully earn a stipulated minimum of 120 credits as stipulated for this qualification will be awarded a **Certificate V in Poultry Production**. No part certification will be conferred to learners who do not meet the minimum credit requirements for this qualification. This qualification does not have exit awards.

### **REGIONAL AND INTERNATIONAL COMPARABILITY**

Benchmarking was done by comparison of core components, Credits, Duration and Levels of related qualifications.

<b>Institution</b>	<b>Level</b>	<b>Entry Requirements</b>	<b>Core Modules</b>	<b>Credits</b>
University of Nairobi, Kenya  <b>Certificate In Poultry Management</b>	KNQF Level 5	K.C.S.E. certificate with a grade of credit or equivalent, with at least D pass in a biological science	Principles of poultry production  Management of poultry  Poultry feeds and feeding Poultry health, products and marketing	Not indicated

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ACS Distance Education (UK) <b>Certificate in Care and Management of Poultry</b>	RQF Level 3	Not indicated	Poultry Nutrition Diseases Layers Broilers Incubation Brooding Bookkeeping, Economics and Marketing	Not indicated
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The benchmarking shows that this qualification's learning outcomes, core components and level compare similarly to the identified qualifications from the regionally and internationally. The above qualifications, when mapped into the NCQF, they equate to NCQF Level 5. This shows that Certificate V in Poultry Production and the qualifications benchmarked against are similar. However, qualifications' credits were not indicated for comparison.

Further similarities and differences of the qualifications as per the comparative matrix above are shown under column headed Entry Requirements, Credits and Core Modules.

*NB\* Please note that the developer could not compare to SAQA's National Certificate in Poultry Production as Assessors have suggested because it is a lower level (NQF Level 2) qualification and it is more on knowledge and understanding level descriptors. It is not skills based.*

#### **REVIEW PERIOD**

The qualification will be reviewed on 5-year basis after its running cycle.