

# SWASA

Sheep and Wool Academy for Southern Africa

Supported by

**BKB**

The Trusted Home of Agriculture  
Die Betroubare Tuiste van Landbou

National Certificate

# Animal Production

SAQA ID 48979

STUDY PROSPECTUS  
2022

### COURSE OVERVIEW

National Certificate: Animal Production, NQF 4, 140 Credits

### QUALIFICATION RULES

The National Certificate in Animal Production is an academic on-line programme and is compiled through well-structured combination of learning outcomes that have a defined purpose and will provide qualifying learners with applied competence and a basis for further learning.

The qualification consists of Unit Standards that are classified as Fundamental, Core and Elective. A minimum of 140 credits is required to complete the qualification.

In this qualification the credits are allocated as follows:

Fundamental:	68 credits:	49%
Core:	58 credits:	41%
Electives:	14 credits:	10%
<b>Total:</b>	<b>140 credits:</b>	<b>100%</b>

### PRE-REQUISITES

Learners accessing this qualification are assumed to be competent in:

- Communication at NQF Level 2
- Mathematical Literacy at NQF Level 2
- Agricultural activities at NQF 3

### WORKPLACE RELEVANCE

The **National Certificate: Animal Production NQF 4 (SAQA ID 48979)** qualification is designed to meet the needs of those learners who intend to set up or have already set up own ventures, would like to find formal employment in the primary agricultural sector, or who would like to extent their studies, especially to the level of junior farm manager.

Assessment of the competencies and knowledge in the qualification will be done in the context of the above learning outcomes.

The range of typical learners that will enter this qualification will vary and includes:

- Farm operators who wish to progress to the level of junior farm manager.
- Learners in possession of different levels of practical experience in farming operations, which will be assessed and RPL'ed.
- School leavers (Gr. 12) from agricultural schools; and
- Learners may come from both genders.

### WHAT YOU STUDY

1. Communication in the workplace
2. Basic computer skills
3. Applied Mathematics and Statistics I
4. Agricultural Sciences I
5. Introduction to Agri-Engineering Technology I
6. Agricultural management I
7. Animal Production I

### Introductory Module

- Induction Course: Introduction to Agripedia

### Module 1: Communication skills

- Garcias: Introduction to the Mental Approach to Farming
- Learning approach and processes
- Engage in sustained oral communication and evaluate spoken texts
- Apply comprehension skills to engage written texts in a business environment / use language and communication in occupational learning programmes
- Interpret a variety of literary texts / interpret and use information from texts
- Accommodate audience and context needs in oral communication & apply comprehension skills to engage oral texts in a business environment
- Write texts for a range of communicative contexts. Read, analyse and respond to a variety of texts.
- The Farm Plan: Implementing integrated farm layout and site selection

### Module 2: Basic computer skills

- Work with spreadsheets & Ensure spreadsheet integrity to enhance reliability
- Manage electronic mail in a business environment
- Review and create documents using a Graphical User Interface (GUI)-based word processor
- Use computer technology to research a computer topic & demonstrate an understanding of the principles of the internet and the world-wide-web

### Module 3: Applied Mathematics and Statistics I

- Introduction to Biometry and Mathematical Principles
- Statistical probabilities in hypothesis testing, confidence intervals & variances
- Implement and interpret a data collection plan
- Use mathematics to investigate and monitor financial aspects
- Solve problems in sequences and series and simulated situations
- Patterns and Inverses of functions
- Complex numbers in non-trivial situations

#### **Module 4: Agricultural Sciences**

- Ecology and Agro Ecology
- Farming economics and agri-economic factors
- History of agricultural marketing
- Basic agricultural genetics
- Basic agricultural chemistry
- Introduction to Soil Sciences and geology
- Animal and plant biological concepts

#### **Module 5: Introduction to Agri Engineering and Technology**

- Agricultural safety
- Structural materials
- Energy
- Construction processes
- Tools and Equipment
- Irrigation and water supply
- Drawings
- Measurement, calculations and calibrations

#### **Module 6: Agricultural Management I**

- Introduction to farm management
- Agricultural Economics I: Introduction to Marketing and Economics
  - Integrate marketing plans with business processes
- Management of Natural and Sustainable Resources
  - Design a natural resource management plan
  - Manage and control resources in a sustainable manner
  - Financial management on the agri-business
  - Food Safety and Quality Management Systems
  - Human Resource Management

#### **Module 7: Animal Production I**

- Introduction to Animal Production (Classification)
- Fundamental Animal Anatomy and Physiology of farm animals (Histology)
- Breeding systems (Genetics in Animal Breeding)
- Animal Health and Biosecurity (Drugs and Medication)
- Natural Pastures (Ecology and Grazing Sciences)
- Manage Damage control in Animal Farming (Law and Legislation)
- Harvesting of Animal Products (Abattoir Processes)
- Animal Production Systems (Beef/ Sheep/ Goats)

- Ruminant Nutrition (Beef /Sheep/ Goats)
- Feedlot Production Unit (Beef/Sheep/Goats)
- Artificial Insemination
- Advanced Pig Husbandry

### ACADEMIC FEES

The following academic fees are applicable for 2022:

Full Qualification cost: **R 28 000.00**

Methods of payment:	2022
<b>At registration:</b>	R 2 000.00
<b>After Registration: 50% deposit</b>	R 13 000.00
<b>At the beginning of the second term: (outstanding balance)</b>	R 13 000.00

### ALTERNATIVE PAYMENT ARRANGEMENT

If you are not in a financial position to pay full quarterly amount, you may apply in writing for the payment of modules on a month to month basis. Please direct your application to: The Financial Director, [admin@swasa.africa](mailto:admin@swasa.africa)

### WHY SWASA?

- Courses are SAQA accredited
- World class lectures and affiliated academics
- Custom designed online Agricultural Campus that includes e-learning modules and an online encyclopaedia for lifelong support
- Industry accredited outcomes towards employment opportunities

### TO FIND OUT MORE

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