



ANIMAL PRODUCTION SKILLS DEVELOPMENT COURSE NQF LV. 3

COURSE OVERVIEW:

These unit standards will form the basis for learners to extend their learning into more specialized areas of animal production and provide a basis of the establishment of sustainable farming operations.

Unit Standard 116225 : Explain elementary animal nutrition

When you have achieved this unit standard, you will be able to:

- Demonstrate an understanding of the nutritional role of nutrient components.
- Identify specific feed ingredients.
- Demonstrate an understanding of the basic concepts of animal stimulation, maintenance and production in farm animals and how to apply feed to achieve this.
- Demonstrate the ability to prepare, produce and mix feed ingredients.
- Demonstrate an understanding of feed security.
- Identify and apply sensory indicators of quality in feed.
- Demonstrate the ability to interpret and apply correct measures for abnormal feeding behaviour.

Learning Outcomes

At the end of this learning module, you must be able to demonstrate a basic knowledge and understanding of:

- Basic comprehension and understanding of identification of groups of nutrients, ingredients and feeds in animal maintenance and production.
- Identify feed ingredients.
- Be able to maintain and operate feed processing machines.
- Be competent in feed making and utilization.
- Be familiar with feed storage practices for maintaining security and quality.
- Be aware of sensory indicators of good feed quality and spoiled feed.
- Ability to interpret abnormal feeding behaviour and apply corrective measures

Unit Standard 116217: Explain the harvesting of animal products. When you have achieved this unit standard, you will be able to:

- Identify and describe related animal products and the value adding processes and suggest alternative harvesting methods.
- Gain specific knowledge and skills in the harvesting of animal products and will be able to operate in an animal production environment implementing sustainable and economically viable production principles.

Learning Outcomes

At the end of this learning module, you must be able to demonstrate a basic knowledge and understanding of:

- Comprehension, identification and understanding of the specific animals and animal products.
- Animal science.
- Science involved in animal products.
- Sensory observation and evaluation animal products.
- Evaluation of animal product processing systems over time.
- Maintenance requirements of animal product processing systems.
- Evaluation of the potential of animal products for adding value.
- The purpose of learning about animal product processing.
- Basic processing systems methodology.
- Animal product processing technology.
- Basic record keeping.
- Observation and understanding of sensory cues in processing systems

Unit Standard 116237: Explain costing and the viability of an agri-business.

When you have achieved this unit standard, you will be able to:

- Identify and budget for the various sources of income generation available to the agri-business.
- Identify and budget for the various costs impacting on the agri-business.
- Demonstrate an understanding of the utilization of break-even budgets to calculate break-even points.
- Demonstrate the utilisation of whole farm budgets to predict and focus financial outcomes of an agri-business.

At the end of this learning module, you must be able to demonstrate a basic knowledge and understanding of:

- Fixed and variable costs.
- Break-even analysis.
- Cash-flow budgets.
- Gross margin analysis.
- Budgeted sales.
- Demand driven production.

SAQA ID	NAME OF UNIT STANDARD	NQF LEVEL	CREDITS
116225	Explain elementary animal nutrition.	3	6
116217	Explain the harvesting of animal products.	3	5
116237	Explain costing and the viability of an agri-business.	3	3
116216	Apply advanced breeding practices for farm animals.	3	4
116125	Apply crop protection and animal health products effectively and responsibly.	3	4
116219	Explain the prevention and treatment of animal diseases.	3	5
TOTAL CREDITS			27

Unit Standard 116216: Apply advanced breeding practices for farm animals.

When you have achieved this unit standard, you will be able to:

- Use and apply advanced breeding practices.
- Use the reproductive cycles of farm animals as management and decision-making tools.

Learning Outcomes

At the end of this learning module, you must be able to demonstrate a basic knowledge and understanding of:

- Reproductive cycles and breeding methods.
- Factors affecting the reproductive cycles of farm animals.
- The advantages and disadvantages of different breeding methods.
- The effect of nutritional, health, seasonal and environmental factors on reproduction.
- Breeding procedures and breeding programmes.
- Purpose of this is to improve knowledge and inclusion of reproductive cycles and breeding methods into a breeding programme.
- Communication and reporting skills.
- Record keeping skills.
- Understanding the correct procedures and policies to be followed for the breeding season.

Unit Standard 116125 :Apply crop protection and animal health products effectively and responsibly.

When you have achieved this unit standard, you will be able to:

- Use and apply advanced breeding practices.
- Use the reproductive cycles of farm animals as management and decision-making tools.

Learning Outcomes

At the end of this learning module, you must be able to demonstrate a basic knowledge and understanding of:

- Reproductive cycles and breeding methods.
- Factors affecting the reproductive cycles of farm animals.
- The advantages and disadvantages of different breeding methods.
- The effect of nutritional, health, seasonal and environmental factors on reproduction.
- Breeding procedures and breeding programmes.
- Purpose of this is to improve knowledge and inclusion of reproductive cycles and breeding methods into a breeding programme.
- Communication and reporting skills.
- Record keeping skills.
- Understanding the correct procedures and policies to be followed for the breeding season.

Unit Standard 116219 : Explain the prevention and treatment of animal diseases.

When you have achieved this unit standard, you will be able to:

- Carry out procedures related to animal health and supervise the restraint of animals for such procedures.
- Gain specific knowledge and skills in animal health and will be able to operate in an animal production environment implementing sustainable and economically viable production principles.
- Perform animal restraint and related procedures.
- Perform basic veterinary procedures
- Treat and vaccinate animals under supervision.
- Supervise the carrying out of basic principles of bio-security
- Carry out pre-planned programs

Learning Outcomes

At the end of this learning module, you must be able to demonstrate a basic knowledge and understanding of:

- The names and functions of relevant equipment, procedures, implements and instruments related to the study of animal health.
- The sensory cues and symptoms involved in the execution of pre-planned animal health programmes.
- The purpose of the implementation of procedures and pre-planned animal health programmes.
- The implication of the correct and incorrect execution of the procedures under pre-planned programmes.
- Implemented procedures.
- All rules and codes of conduct relevant to the procedures implemented.
- The interrelations between the observations, procedures and the treatment of disease and other animal health issues.

PRICE: R9 600.00 PER LEARNER EXCL. VAT

DATES:

Johannesburg 4th – 8th March 2024
Eastern Cape 27th – 31st May 2024
North West 24th – 28th June 2024
Northern Cape (Kimberly) 29th July – 2nd August 2024
Johannesburg 2nd – 6th September 2024
Mpumalanga 4th – 8th November 2024

TERMS AND CONDITIONS

- No restriction on who may attend
- Notes are provided with content in English
- The lectures are presented in English
- Course fees do not include accommodation and transportation, and additional cost to transport learners to and fro for practical training on farms will be charged.
- Course fees includes lunch packs.
- This is a theoretical course with a practical session included
- Please make sure you are there 8h30 for registration
- Bring along your pen and notebook, overall and gumboots for the practical is required

