

# AGRICULTURE

MIXED FARMING SYSTEMS | PLANT PRODUCTION | ANIMAL PRODUCTION



W.P. RUGBY  
ACADEMY



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Farming runs in your DNA!*

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# MIXED FARMING SYSTEMS

NQF 1

12 MONTHS

## OVERVIEW

The mixed farming system course provides the ideal bases for you to extend your learning into more specialized areas of plant- and animal production. The course provides the basis of the establishment of sustainable farming operations through the inclusion of a wide spectrum of competencies required by farmers in South Africa.

This course covers aspects of technical production orientated competencies, agri-business and good agricultural practices. These competencies enable farmers to strive towards agricultural management standards and practices at higher levels.

## PROGRAMME OUTLINE

AGRI-BUSINESS	AGRICULTURAL PRACTICES:	ANIMAL PRODUCTION
<ul style="list-style-type: none"> <li>Keep record and report appropriately on inputs and resources in an agricultural environment.</li> <li>Describe the production process in an agricultural environment.</li> <li>Describe the importance of marketing within the agricultural production process.</li> <li>Keep an accurate and current simple financial record keeping system in agri-business environment.</li> <li>Apply the basic principles of human resources management in an agricultural environment.</li> <li>Understand the basic principles of enterprise selection and production.</li> </ul>	<ul style="list-style-type: none"> <li>Apply sound food safety principles by indentifying risk factors.</li> <li>Observe and maintain basic water quality by working with technical systems.</li> <li>Incorporate an understanding of the role of natural resource management.</li> <li>Carry out basic physical farm layout tasks including construction of rainwater harvesting and soil conservation structures.</li> <li>Operate, care for and store basic tools and equipment in a safe and responsible manner.</li> </ul>	PLANT PRODUCTION
		<ul style="list-style-type: none"> <li>Supply feeding by following the correct on-farm animal feeding procedures.</li> <li>Demonstrate an understanding of and identify the readiness of animal products for harvesting.</li> <li>Observe the health status of the animals and handle animals correctly.</li> <li>Apply soil nutrient preparations in safe, effective and responsible manner.</li> <li>Identify insects and explain the damage it can cause to crops.</li> </ul>

ENTRY REQUIREMENTS

Basic Literacy, Numeracy & Communication

SAQA

48971

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**Africa Skills**  
Private College

NQF 5 24 MONTHS

# PLANT PRODUCTION

This qualification will form the basis for learners to extend their learning into more specialised areas of plant production and management and provides the basis of the establishment of sustainable farming operations through the inclusion of a wide spectrum of competencies required by farmers in South Africa

## FUNDAMENTALS

- Communication skills in an agricultural environment.
- Mathematical calculations within the agricultural environment.
- Develop a data collection plan in the agricultural sector.
- Integrate sustainable systems thinking into planning and management processes.

## AGRICULTURAL PRACTICES

- Ensure sound utilisation of agricultural resources.
- Describe the process of optimisation of water quality in an agricultural production system.
- Develop, implement and optimise a management system for food safety and quality practices in an agricultural supply chain.
- Incorporate an understanding of the importance of natural resource management in relation to agricultural practices into the design of a natural resource management plan of the farm in relation to area wide planning and when participating in area wide planning and local government structures and policies.
- Assist in determining the most appropriate and sustainable land-use for different parts of the land
- Supervise the implementation and maintenance of the selected infrastructure and maintain the most appropriate land-use on a farm by continuously assessing the natural resource base.

## AGRI-BUSINESS

- Control an agricultural input chain.
- Develop a strategic plan for agri-processing activities.
- Describe the integration of the marketing component as a part of the total agri-business
- Analyse and interpret financial information in an agri-business
- Demonstrate the ability to optimise and integrate farming systems.

## PLANT PRODUCTION

- Describe the basic biochemistry involved in the physiological processes of a plant.
- Develop a soil fertility and plant nutrition plan.
- Plants are propagated in any production system.
- Implement and co-ordinate different harvesting plans
- Identify, monitor and control pests, monitor beneficial arthropods, plant disease symptoms and weeds in a responsible manner by applying Integrated Pest Management Principles to conserve the environment.
- Develop a plant manipulation management plan and manage

<b>ENTRY REQUIREMENTS</b>	NQF 4	Basic Literacy & Numeracy	<b>SAQA</b>	49010
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# ANIMAL PRODUCTION

NQF 5

24 MONTHS

## OVERVIEW

Do you aspire to a professional career in Animal Production?

This course will equip you with the necessary competence to monitor, implement, co-ordinate, plan, control, and provide leadership regarding the agricultural processes as applicable in a variety of Animal Production processes. Gain the knowledge and competence to take responsibility for the nature, quality, and quantity of outputs.

## PROGRAMME OUTLINE

**Exit Level Outcomes are divided into four categories of competencies, namely:**

- Fundamental Competencies
- Animal Production
- Agri-business
- Good Agricultural Practices

### Fundamental Competencies:

- Apply communication skills & mathematical calculations in an agricultural environment.
- Develop a data collection plan in the agricultural sector.
- Integrate sustainable systems thinking into planning and management processes.

### Animal Production:

- Evaluate and manage animals according to specific criteria related to anatomical, physiological, physical and biochemical systems.
- Develop and implement health care, prevention and treatment procedures.
- Develop a strategic animal nutrition plan.
- Demonstrate the ability to apply and initiate advanced breeding and selection practices and to integrate these practices into a breeding management programme.
- Demonstrate the ability to guide and direct others during the harvesting of animal products.
- Demonstrate the ability to meaningfully and purposefully dissect animals.

### Agri-business:

- Control an agricultural input chain.
- Develop a strategic plan for agri-processing activities.
- Describe the integration of the marketing component as a part of the total agri-business.
- Analyse and interpret financial info in an agri-business.
- Demonstrate the ability to optimise and integrate farming systems.

### Agricultural Practices:

- Ensure sound utilisation of agricultural resources.
- Describe the process of optimisation of water quality in an agricultural production system.
- Develop, implement and optimise a management system for food safety and quality practices in an agricultural supply chain.
- Incorporate an understanding of the importance of natural resource management in relation to agricultural practices into the design of a natural resource management plan of the farm in relation to area wide planning and when participating in area wide planning and local government structures and policies.
- Assist in determining the most appropriate and sustainable land-use for different parts of the land, supervise the implementation and maintenance of the selected infrastructure and maintain the most appropriate land-use on a farm by continuously assessing the natural resource base.

<b>ENTRY REQUIREMENTS</b>	NQF 4	Mathematical literacy	<b>SAQA</b>	49011
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# INVESTMENT OPTIONS

BANKING DETAILS	
BANK	NEDBANK
BRANCH CODE	198765
ACCOUNT HOLDER	AFRICA SKILLS VILLAGE
ACCOUNT TYPE	CURRENT ACCOUNT
ACCOUNT NUMBER	1626568162

Please use student Name and Surname as reference when making payment

A non-refundable application fee of R500 is payable upon application for all programmes

PROGRAMME	FEES	DEPOSIT	DURATION	INSTALLMENTS		
Apprenticeship • Plumbing • Welding • Electrical • Carpentry	R 117 500	R 5 000	3 YEARS	YEAR 1	R 45 000	R4 500 X 10
				YEAR 2	R 45 000	R4 500 X 10
				YEAR 3	R 22 500	R4 500 X 5
Project Management NQF 5	R 28 000	R 5 000	12 MONTHS	R 23 000	R2 300 X 10	
Generic Management NQF 5	R 28 000	R 5 000	12 MONTHS	R 23 000	R2 300 X 10	
Tourism Info Officer NQF 5	R 28 000	R 5 000	12 MONTHS	R 23 000	R2 300 X 10	
Mixed Farming Systems NQF 5	R 28 000	R 5 000	12 MONTHS	R 23 000	R2 300 X 10	
Animal Production NQF 5	R 28 000	R 5 000	12 MONTHS	R 23 000	R2 300 X 10	
Plant Production NQF 5	R 28 000	R 5 000	12 MONTHS	R 23 000	R2 300 X 10	
Registered Bookkeeper NGF3	R 30 000	R 5 000	12 MONTHS	R 25 000	R2 500 X 10	
Handyman NQF 3	R 12 500		3 WEEKS	FULL COURSE FEE IS PAYABLE PRIOR TO START DATE		

**Disclaimer**

- All prices include VAT.
- Fees are only applicable for 2021/2022 registration.
- Fees subject to alteration without prior notice.
- The availability of a course cannot be guaranteed at the time of application.
- Each course has specific admission requirements.

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