

National Certificate: Plant Production NQF 1



^ PURPOSE

The National Certificate: Plant Production (NQF Level 1) provides foundational knowledge and skills in crop production and plant agriculture. This qualification is designed for individuals entering the agricultural sector with a focus on sustainable plant production. Students will gain practical skills in crop cultivation, plant nutrition, pest management, and sustainable farming practices while developing essential communication and mathematical literacy skills.

^ COURSE CONTENT

Module 1: Mathematical Literacy

- Working with numbers in various contexts
- Officially analyse how mathematics is used in social, political, and economic relations
- Collect, analyse, use and communicate numerical data
- Demonstrate an understanding and use of the numbering system
- Describe and represent objects and the environment in terms of shape, space, and time
- Analyse cultural products as representations of shape, space, and time

Module 2: Communication

- Use maps to access and communicate information concerning routes, locations and directions
- Engage in a range of speaking and listening interactions for a variety of purposes
- Read and respond to a range of text types
- Write for a variety of different purposes
- Explore and use a variety of strategies to learn (revised)

Module 3: Agricultural Business

- Apply basic agricultural enterprise selection principles
- Identify the need for capital and understand the need for the recording of income and different costs in an agri-business
- Apply basic human resource management principles and practices applicable in an agricultural environment
- Handle inputs and stock in agri-business
- Demonstrate an understanding of the importance of marketing
- Define production and understand the basic activities of production and conversion in the agri-business environment

Module 4: General Agricultural Practices

- Collect agricultural data
- Apply basic food safety practices
- Maintain basic water quality
- Select, use and care for hand tools, basic equipment and infrastructure
- Operate and maintain irrigation systems

^ COURSE CONTENT

Module 5: Plant Production ▼

- Demonstrate a basic understanding of the structure and function of a plant in relation to its environment
- Plant the crop under supervision
- Harvest agricultural crops
- Recognise pests, diseases, and weeds on crops
- Propagate plants
- Fertilise the soil and attend to basic plant nutrition

Module 6: Animal Production ▼

- Natural Resource Management

Module 7: Agricultural Business ▼

- Demonstrate an understanding of the basic concepts of sustainable farming systems
- Understand how sustainable farming systems conserve natural resources
- Apply elementary farm layout and infrastructure
- Demonstrate an understanding of agricultural / ecotourism as a system at the micro-level
- Identify and explain permaculture principles

^ DELIVERY

- Duration: 12 Months
- Delivery: Classroom/Online/Blended

^ ENTRY LEVEL REQUIREMENTS

- Entry Level Requirement: Numeracy, Literacy & Communication equal to ABET 3

^ CAREER POSSIBILITIES

- Farm Worker specialising in plant production (Pest Controller // Irrigationist)
- Farm Supervisor
- Farm Team Leader

^ ACCREDITATION

- National Certificate: Plant Production NQF 1
- Accreditation: Agri Seta
- SAQA ID: 48972
- NQF Level: 1
- Credits: 120

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