



Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa

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COURSE BROCHURE

Plant Structure And Functions For Corporate Training

Agriculture and Nature Conservation / Primary Agriculture

Unit Standard 116057 · NQF Level 2 · 5 Credits · 2 Days

COURSE OVERVIEW

This course provides corporate professionals with a foundational understanding of plant structure and functions, enabling them to apply botanical principles in workplace contexts such as landscaping, environmental management, and agricultural operations. Participants will gain the knowledge to identify plant parts, describe their functions, and relate these to practical applications in their roles.

Category	Agriculture and Nature Conservation
Subfield	Primary Agriculture
Unit Standard	116057
Accreditation	SAQA Accredited · NQF Level 2 · 5 Credits
Duration	2 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Identify and describe the major plant organs (roots, stems, leaves, flowers, fruits, seeds) and their functions.
- Explain the processes of photosynthesis, respiration, and transpiration and their significance for plant growth.
- Apply knowledge of plant structure to assess plant health and environmental requirements.
- Analyze the relationship between plant anatomy and adaptation to different environments.
- Demonstrate the ability to classify plants based on structural characteristics.

WHO SHOULD ATTEND

- This course is designed for employees in industries such as agriculture, horticulture, environmental management, landscaping, and corporate facilities management who require a working knowledge of plant biology.

COURSE OUTLINE

Day 1: Fundamental Plant Structure and Function

- Overview of plant body: roots, stems, leaves, flowers, fruits, and seeds.
- Plant cell types and tissue systems (dermal, vascular, ground).
- Internal structure of roots, stems, and leaves.
- Photosynthesis and gas exchange mechanisms.
- Water and mineral uptake, transport via xylem and phloem.
- Transpiration and its regulation by stomata.
- Plant adaptations to environmental stresses.

Day 2: Applied Plant Functions and Practical Integration

- Plant growth regulators and their roles.
- Tropisms and photoperiodism: how plants respond to light and gravity.
- Reproductive structures: flowers, pollination, and seed dispersal.
- Fruit development and seed germination.
- Nutrient deficiencies and plant disorders.
- Practical applications: pruning, grafting, irrigation, and fertilisation.
- Case studies in agriculture, landscaping, and conservation.
- Group activity: diagnosing plant problems using structural clues.

ASSESSMENT & CERTIFICATION

Delegates are assessed through exercises and a final test. A mark of **50% or above** earns an **AATICD Certificate of Completion**, issued digitally with a unique verification code. This course carries **5 NQF credits** at **NQF Level 2**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 15,400.00	R 15,400.00
1	In-House	R 20,000.00	R 20,000.00
1	On-Campus (Pretoria)	R 23,100.00	R 23,100.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	11 Aug 2026	On-Campus	Durban, South Africa
10 Aug 2026	11 Aug 2026	On-Campus	Pretoria, South Africa
10 Aug 2026	11 Aug 2026	On-Campus	Cape Town, South Africa
12 Aug 2026	13 Aug 2026	On-Campus	Abu Dhabi, UAE
12 Aug 2026	13 Aug 2026	On-Campus	Dubai, UAE
12 Aug 2026	13 Aug 2026	On-Campus	Mauritius
18 Aug 2026	19 Aug 2026	On-Campus	Pretoria, South Africa
18 Aug 2026	19 Aug 2026	On-Campus	Durban, South Africa

Contact us if no suitable date is listed – on-demand sessions can be arranged for groups.

HOW TO GET A QUOTE OR APPLY

1. **Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard 116057) and click **Get A Quote / Apply**. Select your training method and number of delegates – your quotation is generated immediately and emailed to you with the course brochure attached.
2. **Apply by email:** send the course title, your preferred training method (Online, In-House or On-Campus Pretoria), the number of delegates and your preferred dates to apply@aaticd.co.za – our team will reply with a formal quotation.
3. **Apply by phone or WhatsApp:** call +27 12 004 8389 or WhatsApp +27 65 077 6310 and we will prepare your quotation and reserve your seats.
4. **Confirm your booking:** accept the quotation and settle the invoice. As soon as payment is confirmed your delegates are enrolled and receive their AATICD LMS login details by email, along with joining instructions for their chosen training method.

Group discounts apply automatically – the more delegates you enrol, the lower the price per delegate. No payment is required to request a quotation.

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