



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

Indigenous Plant Management Fundamentals

Agriculture and Nature Conservation / Nature Conservation

Unit Standard 253962 · NQF Level 5 · 15 Credits · 12 Days

COURSE OVERVIEW

This course equips learners with the knowledge and skills to understand and apply indigenous plant management principles. Participants will learn to identify, classify, and manage indigenous plant species in various contexts, promoting biodiversity and sustainable land use. The course emphasizes the ecological, cultural, and economic value of indigenous plants.

Category	Agriculture and Nature Conservation
Subfield	Nature Conservation
Unit Standard	253962
Accreditation	SAQA Accredited · NQF Level 5 · 15 Credits
Duration	12 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Demonstrate an understanding of the principles and practices of indigenous plant management.
- Identify and classify indigenous plant species using standard botanical methods.
- Apply appropriate techniques for the propagation, cultivation, and conservation of indigenous plants.
- Analyze the ecological and cultural significance of indigenous plants in South African contexts.
- Evaluate the impact of invasive species and implement management strategies to protect indigenous biodiversity.
- Develop a basic management plan for an indigenous plant conservation area.

WHO SHOULD ATTEND

- This course is ideal for environmental practitioners, land managers, conservation officers, and anyone involved in natural resource management.
- It is also suitable for individuals seeking to enhance their understanding of indigenous flora and its sustainable management.

COURSE OUTLINE

Day 1: Introduction to Indigenous Plant Management

- Overview of indigenous plant diversity in South Africa
- Ecological significance of indigenous vegetation
- Legal framework: National Environmental Management: Biodiversity Act (NEMBA)
- Ethical and cultural considerations in plant management
- Introduction to sustainable harvesting practices

Day 2: Plant Identification and Taxonomy

- Plant morphology: leaves, stems, flowers, fruits
- Dichotomous keys and field identification techniques
- Common indigenous plant families in South Africa (e.g., Proteaceae, Ericaceae)
- Use of herbarium specimens and digital resources
- Recording and documenting plant data

Day 3: Indigenous Plant Ecology and Habitats

- Biomes of South Africa: fynbos, grassland, savanna, etc.
- Soil types, climate, and water availability
- Plant adaptations to specific habitats
- Ecological interactions: pollination, seed dispersal
- Disturbance and succession in indigenous vegetation

Day 4: Propagation Techniques for Indigenous Plants

- Seed biology: dormancy and germination requirements
- Seed collection ethics and best practices
- Vegetative propagation: stem cuttings, root cuttings, layering
- Propagation media and containers
- Nursery management basics

Day 5: Cultivation and Care of Indigenous Plants

- Site preparation and soil improvement
- Planting techniques: spacing, depth, timing
- Water-wise irrigation systems
- Organic mulching and weed management
- Integrated pest management (IPM) for indigenous plants

Day 6: Sustainable Harvesting and Utilization

- Harvesting guidelines: timing, methods, quotas
- Medicinal plants: ethical and legal considerations
- Edible plants and wild foods
- Craft materials: fibers, dyes, wood
- Post-harvest processing: drying, storage, value addition

Day 7: Restoration and Rehabilitation of Indigenous Vegetation

- Principles of ecological restoration
- Site assessment and planning
- Species selection for different restoration goals
- Planting techniques for large-scale projects

- Monitoring indicators: survival, growth, biodiversity

Day 8: Invasive Alien Plant Management

- Key invasive species in South Africa (e.g., Acacia, Eucalyptus)
- Ecological and economic impacts
- Control methods: manual removal, herbicides, biocontrol
- Integrated invasive management strategies
- Legal obligations for landowners

Day 9: Fire Management in Indigenous Vegetation

- Fire ecology: adaptations, fire regimes
- Types of burns: cool vs. hot, seasonality
- Planning a prescribed burn: weather, fuel load, permits
- Firebreak construction and maintenance
- Safety protocols and equipment

Day 10: Monitoring and Data Collection

- Monitoring objectives and indicators
- Sampling methods: quadrats, transects
- Data recording tools: field sheets, GPS, apps
- Basic data analysis: population trends, diversity indices
- Reporting formats for stakeholders

Day 11: Community Engagement and Stakeholder Collaboration

- Principles of community-based natural resource management
- Traditional knowledge systems and their value
- Stakeholder mapping and engagement techniques
- Conflict resolution in resource use
- Education and awareness campaigns

Day 12: Integrated Management Planning and Course Review

- Components of an integrated indigenous plant management plan
- Case studies of successful management
- Plan presentation and peer feedback
- Course review and assessment
- Career opportunities and further training

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 **15 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 43,000.00	R 43,000.00
1	In-House	R 56,000.00	R 56,000.00
1	On-Campus (Pretoria)	R 64,600.00	R 64,600.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	25 Aug 2026	On-Campus	Pretoria, South Africa
11 Aug 2026	26 Aug 2026	On-Campus	Abu Dhabi, UAE
12 Aug 2026	27 Aug 2026	On-Campus	Durban, South Africa
12 Aug 2026	27 Aug 2026	On-Campus	Mauritius
13 Aug 2026	28 Aug 2026	On-Campus	Cape Town, South Africa
14 Aug 2026	31 Aug 2026	On-Campus	Dubai, UAE
17 Aug 2026	01 Sep 2026	On-Campus	Abu Dhabi, UAE
18 Aug 2026	02 Sep 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 253962) 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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