



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

Wild Animal Species Monitoring Techniques

Agriculture and Nature Conservation / Nature Conservation

Unit Standard 253969 · NQF Level 5 · 15 Credits · 12 Days

COURSE OVERVIEW

This course equips learners with the skills to systematically monitor the presence or absence of wild animal species in various habitats. Participants will learn to design and implement monitoring protocols, analyze data, and report findings to support conservation and management decisions.

Category	Agriculture and Nature Conservation
Subfield	Nature Conservation
Unit Standard	253969
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

- Apply appropriate monitoring techniques to detect the presence or absence of target wild animal species.
- Analyze field data to determine species occurrence patterns and trends.
- Evaluate the effectiveness of different monitoring methods for specific species and habitats.
- Design a species monitoring plan that includes site selection, sampling design, and data collection protocols.
- Implement monitoring activities in compliance with ethical and safety standards.
- Demonstrate the ability to record, interpret, and report monitoring results to stakeholders.

WHO SHOULD ATTEND

- This course is designed for field rangers, conservation officers, wildlife monitors, and environmental managers working in game reserves, national parks, or private wildlife estates.

COURSE OUTLINE

Day 1: Introduction to Wildlife Monitoring

- Overview of wildlife monitoring
- Conservation legislation and ethics
- Types of monitoring: direct vs indirect methods
- Introduction to monitoring equipment
- Safety in the field

Day 2: Species Identification and Behaviour

- Mammal, bird, reptile, and amphibian identification
- Behavioural cues for monitoring
- Use of binoculars and spotting scopes
- Field sketching and note-taking

Day 3: Survey Design and Sampling Methods

- Random, systematic, and stratified sampling
- Transect and point count methods
- Distance sampling principles
- Power analysis and sample size estimation

Day 4: Sign Surveys and Indirect Monitoring

- Tracks, scat, nests, and feeding signs
- Camera trap setup and deployment
- Spoor identification techniques
- Data recording for sign surveys

Day 5: Capture-Mark-Recapture Methods

- Live trapping techniques
- Marking methods: tags, bands, microchips
- CMR assumptions and biases
- Population estimation calculations

Day 6: Radio Telemetry and GPS Tracking

- VHF radio telemetry components
- Triangulation and homing techniques
- GPS collar programming and attachment
- Home range and movement analysis

Day 7: Aerial and Drone Surveys

- Fixed-wing vs helicopter surveys
- Drone regulations in South Africa
- Thermal imaging for detection
- Image processing and count estimation

Day 8: Genetic and Non-Invasive Sampling

- Hair snares and faecal collection
- DNA extraction and genotyping
- Capture-recapture using genotypes
- Ethical considerations in sampling

Day 9: Data Management and Analysis

- Spreadsheet and database design
- Introduction to R or DISTANCE software
- Density estimation from distance sampling
- Reporting and visualization

Day 10: Specialised Monitoring Techniques

- Acoustic recorders and analysis
- Track plates and ink pads
- Citizen science data collection
- Adaptive sampling strategies

Day 11: Integrated Monitoring Programmes

- Case studies of integrated programmes
- Cost-benefit analysis of methods
- Stakeholder engagement
- Adaptive management and feedback loops

Day 12: Review, Assessment, and Field Practical

- Field practical: transect survey and camera trapping
- Data analysis and interpretation
- Presentation of findings
- Course review and Q&A;

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

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 253969) 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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