



Accredited Africa Training Institute for Capacity Development

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

Tel: +27 12 004 8389 · Mobile: +27 65 077 6310

Email: apply@aaticd.co.za · Website: www.aaticd.co.za

COURSE BROCHURE

Heritage Conservation Management Preventing Deterioration Factors Training

Culture and Arts / Cultural Studies

Unit Standard 114530 · NQF Level 4 · 16 Credits · 13 Days

COURSE OVERVIEW

This course equips learners with the knowledge and skills to identify and prevent factors that cause deterioration in heritage collections. Participants will learn to assess environmental conditions, implement preventive measures, and apply integrated pest management strategies to ensure the long-term preservation of cultural heritage assets.

Category	Culture and Arts
Subfield	Cultural Studies
Unit Standard	114530
Accreditation	SAQA Accredited · NQF Level 4 · 16 Credits
Duration	13 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply principles of heritage conservation management to identify deterioration factors in heritage collections.
- Analyze environmental conditions (temperature, humidity, light, and pollutants) that contribute to collection deterioration.
- Evaluate risks associated with biological agents, pests, and human factors in heritage settings.
- Design preventive conservation plans to mitigate physical, chemical, and biological deterioration.
- Demonstrate appropriate handling, storage, and display techniques to minimize damage to heritage objects.
- Implement integrated pest management (IPM) strategies to protect heritage collections from pests.

WHO SHOULD ATTEND

- This course is designed for heritage site managers, museum curators, archivists, conservators, and collection care staff responsible for the preservation of heritage collections in South Africa.

COURSE OUTLINE

Day 1: Introduction to Heritage and Conservation

- What is heritage? Tangible and intangible.
- Importance of conservation for cultural identity.
- Overview of National Heritage Resources Act (Act 25 of 1999).
- Introduction to Unit Standard 114530.
- Ethics and principles in heritage management.
- Types of heritage sites: archaeological, built, living.
- Stakeholders in conservation.
- Course roadmap and expectations.

Day 2: Understanding Deterioration – Causes and Mechanisms

- Physical deterioration: temperature, moisture, freeze-thaw.
- Chemical deterioration: pollution, salts, acid rain.
- Biological deterioration: fungi, insects, algae.
- Human factors: vandalism, neglect, poor interventions.
- Case studies of deterioration in SA heritage sites.
- Monitoring environmental parameters.
- Practical exercise: site observation and note-taking.

Day 3: Preventive Conservation Planning

- Agents of deterioration: light, humidity, pests, etc.
- Risk assessment methodologies.
- Creating a risk register.
- Preventive strategies: environmental control, handling.
- Documentation standards for heritage records.
- Emergency preparedness and response.
- Group activity: draft a simple preventive plan.

Day 4: Environmental Monitoring and Control

- Monitoring tools: dataloggers, hygrometers, lux meters.
- Ideal conditions for stone, wood, metal, textiles.
- Passive control: building design, shading, ventilation.
- Active control: HVAC, dehumidifiers.
- Data analysis and corrective actions.
- Practical session: monitoring a simulated space.
- Case study: Robben Island environmental management.

Day 5: Materials Science for Heritage

- Stone, brick, mortar, wood, metals, glass, ceramics.
- Porosity, permeability, and strength.
- Chemical and physical decay pathways.
- Conservation materials: consolidants, adhesives.
- Reversibility and retreatability principles.
- Laboratory demonstration: material testing.
- Ethics of intervention.

Day 6: Structural and Surface Conservation

- Structural assessment: cracks, settlement, load paths.
- Non-destructive testing: ground-penetrating radar, thermography.
- Cleaning methods: laser, chemical, mechanical.
- Consolidation of stone and wood.
- Repair techniques: grouting, stitching, splicing.
- Case study: Castle of Good Hope.
- Practical: condition survey of a wall.

Day 7: Biological Deterioration Management

- Mould, algae, lichen, moss, ivy.
- Insects: termites, woodborers, beetles.
- Birds and rodents: nesting, droppings.
- IPM principles: monitoring, exclusion, treatment.
- Biocide selection and application safety.
- Ecological impact and alternatives.
- Practical: identify biological damage on samples.

Day 8: Disaster Risk Management for Heritage

- Risk assessment: fire, flood, earthquake, vandalism.
- Preparedness: emergency kits, evacuation routes.
- Response: first aid for collections, structural stabilisation.
- Salvage priorities and techniques.
- Recovery: documentation, conservation treatment.
- Community involvement in disaster planning.
- Tabletop exercise: disaster scenario.

Day 9: Documentation and Record-Keeping

- Condition reporting templates.
- Photographic documentation: lighting, scale, angles.
- Measured drawings and 3D scanning.
- Digital databases: collection management systems.
- Metadata standards: Dublin Core, CIDOC CRM.
- Legal requirements for heritage records.
- Practical: document a heritage object.

Day 10: Community Engagement and Interpretation

- Community consultation methods.
- Co-management models.
- Interpretation: signage, guided tours, digital media.
- Visitor management: carrying capacity, zoning.
- Cultural significance and intangible heritage.
- Case studies: Voortrekker Monument, Mapungubwe.
- Group activity: design an interpretation plan.

Day 11: Legal and Ethical Frameworks in South Africa

- NHRA: categories, protection, permits.
- SAHRA roles and responsibilities.

- Provincial heritage authorities.
- Permitting: excavation, alteration, export.
- Ethical codes: integrity, transparency, accountability.
- Intellectual property: traditional knowledge.
- Case study: permit application process.

Day 12: Integrated Conservation Management Planning

- Components of a conservation management plan.
- Vision, objectives, and action plans.
- Resource allocation and budgeting.
- Monitoring indicators and review schedule.
- Stakeholder communication and buy-in.
- Group project: develop a management plan for a case site.
- Peer review and feedback.

Day 13: Assessment, Review, and Certification

- Written examination covering theory.
- Practical assessment: condition survey and report.
- Portfolio submission: documentation, plan, reflections.
- Oral presentation of management plan.
- Feedback session and remediation.
- Certification ceremony.
- Resources for ongoing learning.

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 **16 NQF credits** at **NQF Level 4**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 43,500.00	R 43,500.00
1	In-House	R 56,600.00	R 56,600.00
1	On-Campus (Pretoria)	R 65,200.00	R 65,200.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	26 Aug 2026	On-Campus	Dubai, UAE
11 Aug 2026	27 Aug 2026	On-Campus	Pretoria, South Africa
12 Aug 2026	28 Aug 2026	On-Campus	Abu Dhabi, UAE
13 Aug 2026	31 Aug 2026	On-Campus	Durban, South Africa
13 Aug 2026	31 Aug 2026	On-Campus	Mauritius
14 Aug 2026	01 Sep 2026	On-Campus	Cape Town, South Africa
17 Aug 2026	02 Sep 2026	On-Campus	Pretoria, South Africa
18 Aug 2026	03 Sep 2026	On-Campus	Abu Dhabi, 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 114530) 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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