



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

Identifying And Evaluating Deteriorating Ground Conditions In Mining Training

Manufacturing, Engineering and Technology / Fabrication and Extraction

Unit Standard 115756 · NQF Level 4 · 4 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the knowledge and skills to identify and evaluate deteriorating ground conditions in mining operations. It focuses on recognizing hazards, assessing risks, and implementing appropriate control measures to ensure worker safety and operational continuity.

Category	Manufacturing, Engineering and Technology
Subfield	Fabrication and Extraction
Unit Standard	115756
Accreditation	SAQA Accredited · NQF Level 4 · 4 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Identify signs of deteriorating ground conditions in underground and surface mining environments.
- Evaluate the severity and potential risks associated with identified ground deterioration.
- Apply appropriate monitoring and measurement techniques to assess ground stability.
- Implement control measures to mitigate risks from deteriorating ground conditions.
- Demonstrate compliance with relevant health and safety legislation and mine standards.
- Document and report findings accurately for record-keeping and decision-making.

WHO SHOULD ATTEND

- This course is designed for mining personnel, including shift supervisors, safety officers, rock mechanics technicians, and mine overseers who are responsible for ground condition monitoring and safety management.

COURSE OUTLINE

Day 1: Identifying and Evaluating Deteriorating Ground Conditions in Mining

- Introduction to ground deterioration: causes (stress, weathering, water) and consequences (falls of ground, instability).
- Visual indicators of deterioration: fractures, spalling, convergence, water seepage, support deformation.
- Monitoring techniques: observation, measurement of displacement, use of tell-tales, extensometers, and ground penetrating radar.
- Evaluating ground conditions: rock mass classification systems (e.g., RMR, Q-system), assessing support adequacy.
- Decision-making: determining when ground conditions require remedial action or evacuation.
- Reporting and communication: documenting findings, completing shift reports, and raising alarms.
- Case studies: examples of ground failures and lessons learned.
- Practical exercise: identifying and evaluating ground conditions in a simulated mining environment.

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

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 12,800.00	R 12,800.00
1	In-House	R 16,600.00	R 16,600.00
1	On-Campus (Pretoria)	R 19,200.00	R 19,200.00

UPCOMING SESSIONS

Start	End	Method	Venue
05 Aug 2026	05 Aug 2026	On-Campus	Dubai, UAE
06 Aug 2026	06 Aug 2026	On-Campus	Pretoria, South Africa
06 Aug 2026	06 Aug 2026	On-Campus	Lagos, Nigeria
07 Aug 2026	07 Aug 2026	On-Campus	Johannesburg, South Africa
10 Aug 2026	10 Aug 2026	On-Campus	Cape Town, South Africa
11 Aug 2026	11 Aug 2026	On-Campus	Dubai, UAE
12 Aug 2026	12 Aug 2026	On-Campus	Pretoria, South Africa
13 Aug 2026	13 Aug 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 115756) 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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