



MINING AND MINERALS TRAINING

Coal Mining Operations

5 day course

Classroom, online or in-house

Course overview

Coal is mined at low margin and high volume, which makes small losses in yield or availability decisive, and it carries hazards, methane and spontaneous combustion among them, that other commodities do not. This course covers running a coal operation. Delegates work through seam geology and quality variation, the mining methods used in coal including bord and pillar, longwall and opencast strip mining, and the equipment fleets each demands. Coal quality management and washing are covered, since the product sold is not the product mined. Methane, dust and spontaneous combustion receive full attention. The course closes on stockpile management, on contract specifications and penalties, and on rehabilitation obligations.

What you will learn

- Interpret seam geology and quality variation
- Compare bord and pillar, longwall and opencast strip methods
- Match equipment fleets to the method selected
- Manage coal quality through washing and blending
- Control methane, dust and spontaneous combustion
- Manage stockpiles against contract specification and penalties
- Meet rehabilitation obligations for coal operations

Who should attend

- Mining engineers and production supervisors on coal operations
- Coal preparation plant and quality staff
- Geologists working on coal deposits
- Safety officers on coal mines
- Commercial staff managing coal supply contracts

Course outline

- 01 Low margin, high volume, distinctive hazards
- 02 Seam geology and quality variation
- 03 Bord and pillar and longwall methods
- 04 Opencast strip mining
- 05 Equipment fleets and productivity
- 06 Coal washing, blending and quality management
- 07 Methane, dust and spontaneous combustion
- 08 Stockpiles, contract penalties and rehabilitation

Upcoming dates

Dates	Venue	Format	Fee per delegate
28 September to 2 October 2026	Maputo, Mozambique	Classroom	USD 1,325
5 to 9 October 2026	Johannesburg, South Africa	Classroom	R19,950
2 to 6 November 2026	Cape Town, South Africa	Classroom	R19,950
9 to 13 November 2026	Lagos, Nigeria	Classroom	USD 1,325



Fees and how to register

This 5 day course is **R8,500** per delegate online, **R19,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 1,325** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afriscience.co.za, or WhatsApp us on **+27 63 479 1136**.

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