



MINING AND MINERALS TRAINING

Underground Mining Methods and Selection

5 day course

Classroom, online or in-house

Course overview

The mining method chosen for an orebody fixes its cost, its dilution and its safety profile for the life of the mine, and it is a decision that cannot be meaningfully reversed. This course covers making it. Delegates work through orebody geometry, grade distribution and rock mass characteristics as the inputs that constrain the choice, then the main method families: room and pillar, cut and fill, sublevel open stoping, sublevel caving and block caving. Each is taught with its productivity, dilution, recovery and ground control implications. Access and development design follow. The course closes on method selection against a real orebody and on the hybrid approaches used when one method does not fit throughout.

What you will learn

- Characterise an orebody by geometry, grade distribution and rock mass
- Describe the main underground method families and their mechanics
- Compare methods on productivity, dilution, recovery and ground control
- Design access and development to suit the chosen method
- Assess the capital and operating cost consequences of a method choice
- Select a method against a real orebody and defend the choice
- Apply hybrid approaches where one method does not fit the whole orebody

Who should attend

- Mining engineers and mine planners
- Geologists working with mine planning teams
- Mine managers and production superintendents
- Consultants and technical services staff
- Graduate engineers entering underground operations

Course outline

- 01 Why the method decision cannot be reversed
- 02 Orebody geometry and grade distribution
- 03 Rock mass characterisation for method selection
- 04 Room and pillar and cut and fill
- 05 Sublevel open stoping
- 06 Sublevel caving and block caving
- 07 Access and development design
- 08 Method selection and hybrid approaches

Upcoming dates

Dates	Venue	Format	Fee per delegate
26 to 30 October 2026	Lusaka, Zambia	Classroom	USD 1,325
7 to 11 December 2026	Gaborone, Botswana	Classroom	R19,950
14 to 18 December 2026	Pretoria, South Africa	Classroom	R19,950
11 to 15 January 2027	Online	Online	R8,500



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@afri-science.co.za, or WhatsApp us on **+27 63 479 1136**.

AfriScience Group | +27 61 536 6531 | info@afri-science.co.za | Pretoria, Gauteng, South Africa