



MINING AND MINERALS TRAINING

Mine Planning and Production Scheduling

5 day course

Classroom, online or in-house

Course overview

A mine plan converts a resource in the ground into a sequence of decisions about what to move, when and in what order, and every downstream cost follows from it. This course covers building one. Delegates work through the relationship between resource model and reserve, pit optimisation and the selection of a shell, phase and pushback design, and the strategic, tactical and operational planning horizons and what each is permitted to change. Scheduling covers equipment matching, haulage and cycle time, stockpiling and blending to feed a plant within specification, and the reconciliation between plan and actual that most operations do badly. The course closes on the trade off between grade, tonnage and life of mine.

What you will learn

- Explain how a resource model becomes a reserve and a mine plan
- Apply pit optimisation and select a shell against economic assumptions
- Design phases and pushbacks that can actually be mined
- Distinguish the strategic, tactical and operational planning horizons
- Schedule production with equipment matching, haulage and cycle time
- Use stockpiling and blending to feed a plant within specification
- Reconcile plan against actual and act on the variance

Who should attend

- Mine planning engineers and mining engineers
- Production and operations superintendents
- Geologists working with planning teams
- Technical services managers
- Graduate engineers entering a planning role

Course outline

- 01 From resource model to reserve to plan
- 02 Pit optimisation and shell selection
- 03 Phase and pushback design
- 04 Strategic, tactical and operational horizons
- 05 Equipment matching, haulage and cycle time
- 06 Production scheduling and constraints
- 07 Stockpiling and blending to plant specification
- 08 Reconciliation, variance and the grade against tonnage trade off

Upcoming dates

Dates	Venue	Format	Fee per delegate
12 to 16 October 2026	Mbabane, Eswatini	Classroom	R19,950
26 to 30 October 2026	Maputo, Mozambique	Classroom	USD 1,325
7 to 11 December 2026	Cape Town, South Africa	Classroom	R19,950
8 to 12 February 2027	Addis Ababa, Ethiopia	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**.

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