



MINING AND MINERALS TRAINING

Metal Accounting and Plant Reconciliation

3 day course

Classroom, online or in-house

Course overview

Metal accounting produces the number a mine reports to its owners and its regulator, and it is assembled from sampling, assaying and mass measurement that each carry error. This course covers producing a defensible one. Delegates work through the accounting framework and its governing principles, sampling and measurement points and the error each contributes, and mass balancing with data reconciliation. Stock and in circuit inventory measurement is covered, including the lock up that hides in a plant. Variance analysis and the investigation of an unexplained discrepancy follow. The course closes on governance, audit and the controls that distinguish a measurement error from a loss.

What you will learn

- Apply the metal accounting framework and its governing principles
- Identify sampling and measurement points and quantify their error
- Mass balance a plant and reconcile the data
- Measure stock and in circuit inventory including lock up
- Analyse variances and investigate an unexplained discrepancy
- Distinguish a measurement error from an actual loss
- Meet governance and audit requirements for reported metal

Who should attend

- Metallurgical accountants and plant metallurgists
- Finance staff reporting production
- Laboratory and sampling personnel
- Internal auditors covering mining operations
- Mine and plant managers accountable for reported output

Course outline

- 01 The number owners and regulators receive
- 02 The accounting framework and principles
- 03 Sampling and measurement points
- 04 Error contribution and uncertainty
- 05 Mass balancing and data reconciliation
- 06 Stock, in circuit inventory and lock up
- 07 Variance analysis and investigation
- 08 Governance, audit and controls

Upcoming dates

Dates	Venue	Format	Fee per delegate
11 to 13 November 2026	Online	Online	R6,500
13 to 15 January 2027	Windhoek, Namibia	Classroom	R14,950
8 to 10 February 2027	Johannesburg, South Africa	Classroom	R14,950
15 to 17 February 2027	Dar es Salaam, Tanzania	Classroom	USD 995



Fees and how to register

This 3 day course is **R6,500** per delegate online, **R14,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 995** 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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