



Metallurgical Testwork and Interpretation (Mets)

DURATION

5 days

CONTACT HOURS

30

LEVEL

Intermediate

FEE PER DELEGATE

US\$1,500

Designing metallurgical testwork that answers the question, and reading results without over reading them.

Testwork programmes consume budget and schedule and often answer a question nobody asked, usually because sampling was wrong at the start. This week covers programme design from sample selection to interpretation: choosing samples that represent the orebody rather than what was easy to drill, the comminution and recovery tests available, variability work, and the statistics needed to say what a result actually supports. Scale up and its failure modes close the week.

Available as classroom, live online, in house.

Who it is for

Metallurgists and process engineers, study and project managers commissioning testwork, geologists supplying samples, and laboratory supervisors.

What you will be able to do

- Select samples that represent the orebody and the mine plan.
- Design a programme matched to the study stage and its decisions.
- Choose the right comminution and recovery tests.
- Interpret results with their uncertainty attached.
- Scale up with the failure modes in view.

The outline

DAY 1

Samples

Representivity, and the commonest way it is lost · Compositing, spatial coverage and variability samples · Sample preparation and degradation

DAY 2

Comminution testing

Work index and the standard tests · Abrasion and competency · Relating test data to circuit design

DAY 3

Recovery testing

Flotation, leach and gravity testwork · Batch, locked cycle and pilot scales · Reagent and condition optimisation

DAY 4

Interpretation

Mass balance and reconciliation · Uncertainty, repeats and outliers · Grade recovery curves, and what they conceal

DAY 5

Scale up

From bench to pilot to plant · Design criteria and safety factors · Ramp up performance against prediction

What you leave with

- A testwork programme scoped for a real study stage.
- A sample selection rationale defensible to a reviewer.
- An interpretation note stating what the data does and does not support.

Published dates

DATES	WHERE	FEE
23 to 27 November 2026	Nairobi, Kenya	US\$1,500
30 November 2026 to 4 December 2026	Lagos, Nigeria	US\$1,500
7 to 11 December 2026	Cairo, Egypt	US\$1,500
14 to 18 December 2026	Windhoek, Namibia	R15,000

Fees are per delegate and cover all course materials. Registration fees are arranged by the delegate. Reg

Register or ask a question

globalaxistraining.co.za/courses/metallurgical-testwork-and-interpretation-mets
info@globalaxistraining.co.za
+27 72 337 9234

250 Beyers Naude Drive, Rustenburg, North West, 2999, South Africa

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