



Resource Estimation and Reserve Evaluation

DURATION

5 days

CONTACT HOURS

30

LEVEL

Intermediate

FEE PER DELEGATE

US\$1,500

Turning drill data into a resource estimate, and a resource into a reserve that survives review.

A resource estimate is a model of something nobody has seen, built from a tiny sample of it, and every number downstream depends on it. This week covers the process end to end: data validation, geological domaining, compositing, variography, estimation by the common methods, and classification. Reserve conversion follows, where modifying factors and a mine plan turn a resource into something that can be reported and financed. Reconciliation against production runs through it as the honest test.

Available as classroom, live online, in house.

Who it is for

Resource and mine geologists, mining engineers working with block models, technical services managers, and reviewers and auditors of estimates.

What you will be able to do

- Validate drillhole data and understand its limitations.
- Build geological domains that control estimation sensibly.
- Apply inverse distance and kriging, and know when each suits.
- Classify a resource and defend the classification.
- Convert resource to reserve with modifying factors documented.

The outline

DAY 1

Data

Drilling, logging, sampling and assay · Validation, twinning and quality control · Density, and how often it is wrong

DAY 2

Geology and domains

Interpretation and wireframing · Domaining by grade population and structure · Compositing and top cutting

DAY 3

Estimation

Variography and spatial continuity · Inverse distance and ordinary kriging · Block size, search strategy and smoothing · Conditional simulation in outline

DAY 4

Classification

Measured, indicated and inferred · Confidence, and the evidence for it · Reporting codes and competent person responsibility

DAY 5

Reserves and reconciliation

Modifying factors and the mine plan · Cut off grade and its sensitivity to price · Reconciliation, and what a persistent gap means

What you leave with

- A validated dataset and domain model for a sample deposit.
- A completed estimate with classification rationale.
- A reconciliation framework against production.

Published dates

DATES	WHERE	FEE
23 to 27 November 2026	Dubai, United Arab Emirates	US\$1,500
30 November 2026 to 4 December 2026	Lagos, Nigeria	US\$1,500
7 to 11 December 2026	Accra, Ghana	US\$1,500
14 to 18 December 2026	Maseru, Lesotho	R15,000

Fees are per delegate and cover all meals and accommodation arranged by the delegate. Reg

Register or ask a question

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