



Mining & Minerals Exploration Technology & Integrated Geoscience Studies

DURATION

5 days

CONTACT HOURS

30

LEVEL

Intermediate

FEE PER DELEGATE

US\$1,500

The capstone of the series: combining geology, geochemistry, geophysics and structure into one defensible target.

The individual disciplines of the series are useful separately and decisive together. This module is about the combination: building an integrated model from datasets that disagree, weighting each by what it can actually resolve, and producing a ranked target list somebody will spend drilling money on. It deals directly with the hardest part, which is deciding what to believe when geophysics says one thing and geochemistry another, and it finishes on presenting a target to people who will challenge it.

Available as classroom, live online, in house.

Who it is for

Exploration geologists and project managers, technical leads ranking targets, and anybody completing the exploration technology series.

What you will be able to do

- Integrate geological, geochemical, geophysical and structural data.
- Weight datasets by what each can genuinely resolve.
- Resolve conflict between datasets without ignoring one.
- Build and rank targets with stated confidence.
- Present a target to a technical challenge.

The outline

DAY 1

The datasets

What each discipline can and cannot resolve · Scale, resolution and coverage mismatch · Data quality, and its effect on weight

DAY 2

Building the model

A geological framework first · Layering geochemistry and geophysics onto it · Structure as the common constraint

DAY 3

Conflict

When datasets disagree · Testing alternatives rather than defending one · Confirmation bias in a project team

DAY 4

Targets

Definition, ranking and confidence · Drill testing and success criteria · Value of information thinking

DAY 5

Presenting

Making a case to a technical audience · Showing uncertainty without losing the argument · Peer review, and acting on it

What you leave with

- An integrated model for a real area.
- A ranked target list with confidence stated.
- A target presentation delivered and critiqued.

Published dates

DATES	WHERE	FEE
23 to 27 November 2026	Dubai, United Arab Emirates	US\$1,500
30 November 2026 to 4 December 2026	Durban, South Africa	R15,000
7 to 11 December 2026	Lagos, Nigeria	US\$1,500
14 to 18 December 2026	Nairobi, Kenya	US\$1,500

Fees are per delegate and cover all course materials and meals arranged by the delegate. Registration is free.

Register or ask a question

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