



Exploration Methods for Ore Minerals: Fundamentals

DURATION

5 days

CONTACT HOURS

30

LEVEL

Foundation

FEE PER DELEGATE

US\$1,500

How an exploration programme narrows a region to a target, and a target to a drill hole.

Exploration is a sequence of filters, each more expensive than the last, and the skill is knowing when to stop. This week covers that sequence: regional targeting from geological reasoning, geochemical and geophysical surveys, how each dataset is interpreted and where each misleads, and the drilling that eventually tests a target. It closes on the decision discipline of killing a project early, which saves more money than any single technique.

Available as classroom, live online, in house.

Who it is for

Exploration geologists and technicians, project geologists and managers, and investors or analysts assessing exploration programmes.

What you will be able to do

- Build a targeting rationale from deposit model and regional geology.
- Design geochemical sampling suited to the terrain.
- Select geophysical methods matched to the target's properties.
- Integrate datasets without forcing agreement between them.
- Plan drilling that tests the target rather than confirms the hope.

The outline

DAY 1

Targeting

Deposit models, and their proper use · Regional datasets and prospectivity · Ground selection and tenure

DAY 2

Geochemistry

Soil, stream sediment and rock chip sampling · Pathfinder elements · Analysis, detection limits and quality control

DAY 3

Geophysics

Magnetics, gravity, electrical and electromagnetic methods · Matching a method to a physical property contrast · Depth, resolution and ambiguity

DAY 4

Integration

Layering datasets honestly · Ranking targets · Confirmation bias, and how a programme acquires it

DAY 5

Testing

Drill method selection · Hole placement and orientation · Deciding to continue, and deciding to stop

What you leave with

- A targeting rationale for a real area.
- A survey design with sample spacing and methods justified.
- A drill programme with stated success and failure criteria.

Published dates

DATES	WHERE	FEE
23 to 27 November 2026	Cairo, Egypt	US\$1,500
30 November 2026 to 4 December 2026	Port Louis, Mauritius	US\$1,500
7 to 11 December 2026	Gaborone, Botswana	R15,000
14 to 18 December 2026	Lagos, Nigeria	US\$1,500

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

Register or ask a question

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