

Risk-Informed Decision-Making in Mining Exploration and Operations

COURSE OVERVIEW

This course is intended for delegates to understand the knowledge and tools required to systematically identify, assess and manage risks across the mining value chain. Through a practical blend of theory, case studies and actual applications, the course emphasizes how data driven approaches, probabilistic methods and risk assessment frameworks can enhance decision quality in exploration, project development and operational phases. Delegates will learn how to balance safety, economic, environmental and social considerations to achieve resilient and sustainable mining outcomes.

WHO SHOULD ATTEND?

This course is tailored for mining engineers, geologists, project managers, risk managers, safety professionals and decision makers involved in exploration, mine planning, operations and corporate strategy. It is also suitable for regulators, consultants and stakeholders who seek to strengthen their ability to integrate risk analysis into strategic and operational decision making.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Apply structured risk assessment methods to exploration and mining projects.
- Integrate quantitative and qualitative risk data into decision-making frameworks.
- Evaluate trade-offs between safety, cost, performance, and sustainability objectives.
- Enhance operational resilience through proactive risk management strategies.
- Communicate risk-informed decisions effectively to stakeholders.
- Ensure regulatory compliance and promote a strong safety culture across project teams.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- How to identify and assess risks specific to construction projects.
- Methods to develop and implement compliance frameworks that meet regulations.
- Strategies for managing safety to protect workers and assets.
- Techniques to mitigate risks, including avoidance, transfer, reduction, and acceptance.
- Best practices for continuous risk monitoring, reporting, and communication.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.

1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded