

Economic Feasibility and Value Optimization of Mineral Projects

COURSE OVERVIEW

This practical course enables participants to gain analytical skills to evaluate the financial viability of mining and mineral development ventures. It explores key concepts such as project appraisal, capital and operating cost estimation, discounted cash flow analysis, risk assessment and sensitivity analysis, while also addressing value optimization strategies throughout the project life cycle. By combining theory with real world case studies, participants will know how to make informed investment and operational decisions that maximize economic returns and long-term project sustainability.

WHO SHOULD ATTEND?

This course is tailored for mining engineers, geologists, project managers, financial analysts, policymakers and decision makers in the mining and natural resources sector. It is also valuable for investors, consultants and other stakeholders involved in mineral project evaluation, financing and development who seek to enhance their understanding of economic feasibility and value optimization practices.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Assess the economic feasibility of mineral projects using industry-standard tools and techniques.
- Analyze project risks and uncertainties through sensitivity and scenario analysis.
- Optimize value creation by integrating technical, financial, and operational considerations.
- Interpret feasibility study results to support strategic investment and project approval decisions.
- Apply real-world case studies to reinforce concepts and develop practical problem-solving skills.
- Develop data-informed strategies to enhance project profitability and long-term economic sustainability.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Comprehensive coverage of financial modeling and cash flow analysis for mineral projects.
- Practical sessions on cost estimation, risk management, and value optimization frameworks.
- Insights into current industry best practices and global standards for feasibility studies.
- Interactive case studies and group discussions to bridge theory and practice.
- Expert-led sessions designed to enhance decision-making capabilities in complex project environments.

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