Introduction to Mining and Mining Finance Training Course

Professional Development Training Course Outline

Category	General Training	**Duration**	10 Days
Base Fee	$3,000 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Introduction to Mining and Mining Finance Training Course provides a comprehensive foundation in modern mining operations, mineral resource economics, capital structuring, and financial risk management within the global mining industry. It equips learners with critical knowledge of exploration processes, mine development cycles, commodity markets, valuation techniques, and investment decision-making frameworks. With the increasing demand for minerals such as lithium, cobalt, gold, and rare earth elements, this course is designed to build strong competencies aligned with sustainable mining, ESG compliance, and resource-driven economic growth.

Participants will gain practical insights into mining project financing, cost estimation, revenue forecasting, and mining asset valuation models, enabling them to interpret financial statements specific to mining companies and evaluate project feasibility. The course integrates real-world case studies, global mining trends, and digital transformation in mining finance, preparing professionals for careers in mining corporations, investment firms, government agencies, and commodity trading environments. It emphasizes data-driven decision-making, risk mitigation strategies, and strategic financial planning in extractive industries.

Programme Curriculum

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Course Duration

10 Days

Course Objectives

1. Understand global mining industry value chains
2. Analyze mineral exploration and extraction processes
3. Evaluate commodity market dynamics and pricing trends
4. Apply mining project feasibility studies
5. Develop skills in mining finance and capital budgeting
6. Interpret financial statements of mining companies
7. Assess mining investment risks and mitigation strategies
8. Understand ESG and sustainable mining practices
9. Learn mineral resource valuation techniques
10. Apply cash flow modeling for mining projects
11. Understand royalty structures and taxation in mining
12. Evaluate mergers and acquisitions in mining sector
13. Utilize digital tools in mining finance analytics

Target Audience

1. Mining engineers and geologists
2. Financial analysts and investment bankers
3. Government regulators in mineral resources
4. Mining company executives and managers
5. Environmental and sustainability consultants
6. Commodity traders and market analysts
7. University students in mining and finance fields
8. Project managers in extractive industries

Course Modules

Module 1: Introduction to Mining Industry

- Overview of global mining sector
- Mining lifecycle stages
- Key minerals and commodities
- Industry stakeholders
- Case Study: South African gold mining evolution

Module 2: Mineral Exploration Techniques

- Geological surveying methods
- Remote sensing technologies
- Drilling and sampling methods
- Resource estimation basics
- Case Study: Lithium exploration in Chile

Module 3: Mine Development and Planning

- Feasibility studies
- Mine design principles
- Infrastructure planning
- Regulatory approvals
- **Case Study: Copper mine development in Zambia**

Module 4: Mining Economics Fundamentals

- Supply and demand dynamics
- Commodity pricing models
- Cost structures in mining
- Break-even analysis
- Case Study: Iron ore price fluctuations in Australia

Module 5: Introduction to Mining Finance

- Capital structure in mining firms
- Debt vs equity financing
- Investment appraisal methods
- Financial risk exposure
- Case Study: Gold mining project financing in Canada

Module 6: Cost Estimation in Mining

- CAPEX and OPEX analysis
- Production cost modeling
- Life-of-mine costing
- Sensitivity analysis
- Case Study: Open-pit coal mine cost structure

Module 7: Mining Financial Statements

- Balance sheet interpretation
- Income statement analysis
- Cash flow statements
- Key financial ratios
- Case Study: Anglo-American financial review

Module 8: Commodity Markets and Trading

- Global commodity exchanges
- Futures and hedging strategies

- Price volatility analysis
- Trading mechanisms
- Case Study: Gold hedging strategies

Module 9: Mining Investment Analysis

- NPV and IRR models
- Payback period evaluation
- Risk-adjusted returns
- Scenario modeling
- Case Study: Nickel project investment evaluation

Module 10: Risk Management in Mining

- Operational risks
- Market risks
- Environmental risks
- Political risk assessment
- Case Study: Mining disruption in the DRC

Module 11: ESG and Sustainable Mining

- Environmental compliance
- Social responsibility frameworks
- Governance standards
- Sustainability reporting
- Case Study: Green mining in Scandinavia

Module 12: Mining Taxation and Royalties

- Royalty structures
- Tax regimes in mining countries
- Transfer pricing
- Government agreements
- Case Study: Taxation system in Botswana mining sector

Module 13: Mergers and Acquisitions in Mining

- Valuation of mining assets
- Due diligence process
- Deal structuring
- Synergy analysis
- Case Study: Barrick Gold mergers

Module 14: Digital Transformation in Mining Finance

- AI in mining analytics
- Blockchain in supply chain
- Big data applications
- Automation in finance
- Case Study: Smart mining operations in Australia

Module 15: Strategic Mining Project Management

- Project lifecycle management
- Resource allocation
- Stakeholder engagement
- Performance monitoring
- Case Study: Large-scale diamond mine project in Botswana

Training Methodology

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call +254769199797

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center CONSULTANCY LTD account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	04 Dec 2026	Online	$2,000
23 Nov 2026	04 Dec 2026	Physical	$3,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$9,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$12,000

Ready to enroll or request a customized program? Book online or contact us:

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