Supply Chain in Mining Training Course

Professional Development Training Course Outline

Category	General Training	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Supply Chain in Mining Training Course is designed to equip professionals with advanced competencies in mining logistics, procurement optimization, materials management, inventory control, and end-to-end supply chain resilience. The mining sector operates in highly complex and remote environments where operational efficiency, cost reduction, ESG compliance, digital transformation, and risk mitigation are critical for success. This course integrates modern AI-driven supply chain analytics, blockchain traceability, lean logistics, and sustainable mining supply chain strategies to prepare participants for next-generation mining operations.

In today’s competitive global mining landscape, organizations require professionals who can manage strategic sourcing, supplier relationship management, demand forecasting, warehouse optimization, and transportation logistics under harsh and remote conditions. This program provides practical insights into Industry 4.0 applications, predictive maintenance supply coordination, procurement governance, and real-time supply chain visibility systems. Participants will gain hands-on understanding of how to build resilient, cost-efficient, and sustainable mining supply chains aligned with global best practices.

Programme Curriculum

Supply Chain in Mining Training Course

Introduction

Supply Chain in Mining Training Course is designed to equip professionals with advanced competencies in mining logistics, procurement optimization, materials management, inventory control, and end-to-end supply chain resilience. The mining sector operates in highly complex and remote environments where operational efficiency, cost reduction, ESG compliance, digital transformation, and risk mitigation are critical for success. This course integrates modern AI-driven supply chain analytics, blockchain traceability, lean logistics, and sustainable mining supply chain strategies to prepare participants for next-generation mining operations.

In today’s competitive global mining landscape, organizations require professionals who can manage strategic sourcing, supplier relationship management, demand forecasting, warehouse optimization, and transportation logistics under harsh and remote conditions. This program provides practical insights into Industry 4.0 applications, predictive maintenance supply coordination, procurement governance, and real-time supply chain visibility systems. Participants will gain hands-on understanding of how to build resilient, cost-efficient, and sustainable mining supply chains aligned with global best practices.

Course Duration

5 days

Course Objectives

1. Master End-to-End Mining Supply Chain Management
2. Apply Advanced Procurement Optimization Strategies
3. Develop Inventory & Warehouse Control Systems
4. Implement Logistics Optimization in Remote Mining Sites
5. Enhance Supplier Relationship Management (SRM)
6. Understand Demand Forecasting & Planning Analytics
7. Integrate Digital Supply Chain Transformation Tools
8. Apply Risk Management & Supply Chain Resilience Models
9. Improve Cost Reduction & Value Engineering Techniques
10. Strengthen ESG & Sustainable Mining Logistics Practices
11. Utilize AI & Data Analytics in Supply Chain Decision-Making
12. Build Compliance & Governance in Mining Procurement
13. Optimize Global Sourcing & Strategic Contracting

Target Audience

1. Mining Supply Chain Managers
2. Procurement & Purchasing Officers
3. Logistics & Transportation Coordinators
4. Warehouse & Inventory Supervisors
5. Mining Operations Managers
6. Project Engineers in Mining Sector
7. Government Mining Regulators
8. Graduate Engineers & Supply Chain Analysts

Course Modules

Module 1: Mining Supply Chain Fundamentals

- Overview of mining value chain
- Upstream & downstream logistics flow
- Supply chain mapping techniques
- Mining lifecycle integration
- **Case Study:** Copper mining logistics chain in remote Chile operations

Module 2: Strategic Procurement in Mining

- Procurement lifecycle management
- Vendor selection frameworks

- Contract negotiation strategies
- Cost optimization models
- **Case Study:** Bulk commodity procurement in Australian iron ore mining

Module 3: Inventory & Warehouse Management

- Stock control systems
- Critical spares management
- Warehouse digitization tools
- Inventory forecasting techniques
- **Case Study:** Spare parts optimization in South African gold mines

Module 4: Mining Logistics & Transportation

- Heavy haul logistics planning
- Remote site supply routes
- Fuel and fleet optimization
- Cold chain & hazardous materials handling
- **Case Study:** Arctic mining transport challenges in Canada

Module 5: Digital Transformation in Supply Chain

- ERP systems in mining
- IoT-enabled tracking systems
- Blockchain for traceability
- AI predictive analytics
- **Case Study:** Real-time tracking system in Pilbara mining region, Australia

Module 6: Risk & Resilience Management

- Supply disruption analysis
- Geopolitical risk in mining supply chains
- Emergency logistics planning
- Business continuity strategies
- **Case Study:** COVID-19 disruption impact on global mining supply chains

Module 7: Sustainability & ESG in Mining Supply Chains

- Green logistics practices
- Carbon footprint reduction
- Ethical sourcing standards
- Waste minimization strategies
- **Case Study:** ESG compliance in Scandinavian mining operations

Module 8: Advanced Analytics & Decision Systems

- Supply chain dashboards
- Predictive demand modeling
- KPI development
- Decision-support systems
- **Case Study:** AI-driven forecasting in Brazilian bauxite mining

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 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	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

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

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com