Garnet
Garnet Global Training Center

GGT-MN-120

Mining, Metals & Cement

Open Pit Mining Operations

عمليات التعدين السطحي

Duration	Language	Formats	Hours	Level
5 or 10 days	**English or Arabic**	**Classroom, online, in-house**	**35 / 70**	**Intermediate (practitioner)**

Overview

Open Pit Mining Operations focuses on how the work is actually done: the methods, checks and decisions practitioners use every day, illustrated with real cases from the region. Process, maintenance and safety programs for mines, smelters and cement plants. You can join a public session in one of 20 cities or live online, in English or Arabic, or bring the course in-house with examples from your own operations.

What you will be able to do

- Apply the methods and standards of Open Pit Mining Operations to real tasks.
- Share good practice with your team.
- Use the right tools, checks and calculations step by step.
- Diagnose common problems and identify root causes.
- Interpret data and results correctly and act on them.

Who should attend

Process and maintenance engineers, plant managers and safety leads in heavy industry. Practitioners with one to five years of experience benefit most.

Key topics

- Process flow and mass balance
- Kilns, mills and crushers
- Wear, refractories and reliability
- Energy and fuel efficiency
- Dust, emissions and safety
- Quality control

Formats and fees

5-day classroom	**USD 4,750**
5-day online	**USD 2,950**
10-day classroom	**USD 8,950**
10-day online	**USD 5,450**
In-house	**Quotation per group**

Fees per participant, excluding VAT.

Register or ask

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Email: info@garnettrainings.com

Training: training@garnettrainings.com

Web: garnettrainings.com

Sharjah Publishing City Free Zone, Sharjah, UAE

Certificate

Participants who attend at least 90% of sessions and complete the final assessment receive a certificate of completion stating 35 contact hours (5-day) or 70 contact hours (10-day).

5-day outline

Day 1 Open Pit Mining Operations: principles and standards

- Process flow and mass balance
- Checklists and templates to take away

Day 2 Methods and tools in practice

- Kilns, mills and crushers
- Wear, refractories and reliability

Day 3 Diagnosis and problem solving

- Energy and fuel efficiency
- Group discussion and peer review

Day 4 Quality, safety and documentation

- Dust, emissions and safety
- Measurement and reporting

Day 5 Workshop, assessment and action plan

- Quality control
- Hands-on workshop on a workplace challenge

10-day outline

Day 1 Open Pit Mining Operations: principles and standards

- Process flow and mass balance
- Checklists and templates to take away

Day 2 Methods and tools in practice

- Kilns, mills and crushers
- Wear, refractories and reliability

Day 3 Diagnosis and problem solving

- Energy and fuel efficiency
- Group discussion and peer review

Day 4 Quality, safety and documentation

- Dust, emissions and safety
- Measurement and reporting

Day 5 Workshop, assessment and action plan

- Quality control
- Hands-on workshop on a workplace challenge

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Common mistakes and how to avoid them

Day 7 Digital tools, data and automation

- Analysis tools and software
- Using AI in this field

Day 8 Benchmarking against international practice

- Global performance benchmarks
- Regional and international case studies

Day 9 Capstone project

- Analyse a real challenge from your organisation
- Build the solution and implementation plan

Day 10 Presentations, final assessment and certificates

- Project presentations and review
- Final exam and certificate award

Schedule 2027–2030

Dates	Format	City	Language	Fee (USD)
1–5 Feb 2027	5-day online	Live online	Arabic	2,950
21 Jun – 2 Jul 2027	10-day classroom	Abu Dhabi	Arabic	8,950
4–8 Jul 2027	5-day classroom	Riyadh	Arabic	4,750
5–9 Dec 2027	5-day classroom	Amman	English	4,750
3–14 Jan 2028	10-day classroom	London	English	8,950
3–14 Apr 2028	10-day online	Live online	English	5,450
19–23 Jun 2028	5-day classroom	Casablanca	Arabic	4,750
3–7 Jul 2028	5-day classroom	Barcelona	English	4,750
18–22 Mar 2029	5-day classroom	Cairo	Arabic	4,750

Dates	Format	City	Language	Fee (USD)
1–5 Apr 2029	5-day classroom	Riyadh	English	4,750
18–29 Jun 2029	10-day classroom	Abu Dhabi	English	8,950
19–23 Nov 2029	5-day online	Live online	Arabic	2,950
20–24 Jan 2030	5-day classroom	Cairo	Arabic	4,750
17–28 Feb 2030	10-day classroom	Jeddah	English	8,950
9–20 Sep 2030	10-day online	Live online	English	5,450
7–11 Oct 2030	5-day classroom	Paris	English	4,750

Customised and in-house versions of this course are available on request. garnettrainings.com/en/customise/