Garnet
Garnet Global Training Center

GGT-MN-106

Mining, Metals & Cement

Mineral Processing

معالجة الخامات

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

Overview

Mineral Processing 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. Choose 5 or 10 days, classroom or live online, English or Arabic; organisations can also run it in-house and adapt the examples to their own work.

What you will be able to do

- Apply the methods and standards of Mineral Processing to real tasks.
- 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.
- Follow safe, compliant and documented work practices.

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 Mineral Processing: principles and standards
- Dust, emissions and safety
- Group discussion and peer review

Day 2 Methods and tools in practice
- Quality control
- Process flow and mass balance

Day 3 Diagnosis and problem solving
- Kilns, mills and crushers
- Measurement and reporting

Day 4 Quality, safety and documentation
- Wear, refractories and reliability
- Hands-on workshop on a workplace challenge

Day 5 Workshop, assessment and action plan
- Energy and fuel efficiency
- Common mistakes and how to avoid them

10-day outline

Day 1 Mineral Processing: principles and standards
- Dust, emissions and safety
- Group discussion and peer review

Day 2 Methods and tools in practice
- Quality control
- Process flow and mass balance

Day 3 Diagnosis and problem solving
- Kilns, mills and crushers
- Measurement and reporting

Day 4 Quality, safety and documentation
- Wear, refractories and reliability
- Hands-on workshop on a workplace challenge

Day 5 Workshop, assessment and action plan
- Energy and fuel efficiency
- Common mistakes and how to avoid them

Day 6 Advanced techniques and specialist practice
- Complex cases in depth
- Regional and international case studies

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
- Checklists and templates to take away

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)
15–19 Mar 2027	5-day classroom	Singapore	English	4,750
5–9 Apr 2027	5-day classroom	Abu Dhabi	Arabic	4,750
10–14 May 2027	5-day online	Live online	Arabic	2,950
15–26 Nov 2027	10-day classroom	Istanbul	English	8,950
12–16 Jun 2028	5-day classroom	Dubai	English	4,750
14–25 Aug 2028	10-day classroom	Istanbul	English	8,950
9–20 Oct 2028	10-day online	Live online	Arabic	5,450
11–15 Dec 2028	5-day classroom	Amsterdam	English	4,750
5–16 Feb 2029	10-day classroom	Kuala Lumpur	English	8,950
20–24 Aug 2029	5-day online	Live online	Arabic	2,950

Dates	Format	City	Language	Fee (USD)
15–19 Oct 2029	5-day classroom	Paris	English	4,750
12–16 Nov 2029	5-day classroom	Vienna	English	4,750
8–12 Apr 2030	5-day classroom	Abu Dhabi	English	4,750
2–6 Sep 2030	5-day classroom	Dubai	Arabic	4,750
7–18 Oct 2030	10-day online	Live online	Arabic	5,450
11–22 Nov 2030	10-day classroom	London	English	8,950

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