Garnet
Garnet Global Training Center

GGT-MT-119

Metrology, Calibration & Testing

Environmental Laboratory Testing

الاختبارات المخبرية البيئية

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

Overview

Environmental Laboratory Testing turns established good practice into step-by-step methods that participants rehearse in exercises and then apply at work. Accurate measurement, calibration and laboratory competence for industry and regulators. It runs as a 5-day or 10-day program in English or Arabic, in classrooms in Dubai, Riyadh, Cairo, London, Istanbul and other cities, or live online, and can be delivered in-house.

What you will be able to do

- Apply the methods and standards of Environmental Laboratory Testing to real tasks.
- Avoid the mistakes that most often cause rework or failure.
- Share good practice with your team.
- Use the right tools, checks and calculations step by step.
- Diagnose common problems and identify root causes.

Who should attend

Calibration and test lab staff, quality engineers, instrument technicians and lab managers. Practitioners with one to five years of experience benefit most.

Key topics

- Measurement principles
- Traceability and standards
- Uncertainty
- Calibration procedures
- ISO/IEC 17025 requirements
- Proficiency testing

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 Environmental Laboratory Testing: principles and standards

- Measurement principles
- Group discussion and peer review

Day 2 Methods and tools in practice

- Traceability and standards
- Uncertainty

Day 3 Diagnosis and problem solving

- Calibration procedures
- Measurement and reporting

Day 4 Quality, safety and documentation

- ISO/IEC 17025 requirements
- Hands-on workshop on a workplace challenge

Day 5 Workshop, assessment and action plan

- Proficiency testing
- Common mistakes and how to avoid them

10-day outline

Day 1 Environmental Laboratory Testing: principles and standards

- Measurement principles
- Group discussion and peer review

Day 2 Methods and tools in practice

- Traceability and standards
- Uncertainty

Day 3 Diagnosis and problem solving

- Calibration procedures
- Measurement and reporting

Day 4 Quality, safety and documentation

- ISO/IEC 17025 requirements
- Hands-on workshop on a workplace challenge

Day 5 Workshop, assessment and action plan

- Proficiency testing
- 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)
18–22 Jan 2027	5-day classroom	Barcelona	English	4,750
12–16 Apr 2027	5-day classroom	Singapore	English	4,750
17–28 May 2027	10-day classroom	Vienna	English	8,950
20–24 Sep 2027	5-day online	Live online	Arabic	2,950
17–21 Jan 2028	5-day classroom	Paris	English	4,750
21 Feb – 3 Mar 2028	10-day online	Live online	English	5,450
20–31 Aug 2028	10-day classroom	Cairo	English	8,950
1–5 Oct 2028	5-day classroom	Amman	Arabic	4,750
15–19 Jul 2029	5-day classroom	Jeddah	English	4,750

Dates	Format	City	Language	Fee (USD)
13–17 Aug 2029	5-day classroom	Istanbul	English	4,750
12–16 Nov 2029	5-day online	Live online	English	2,950
9–20 Dec 2029	10-day classroom	Riyadh	Arabic	8,950
11–15 Feb 2030	5-day classroom	Vienna	English	4,750
10–14 Mar 2030	5-day classroom	Kuwait City	English	4,750
13–24 Oct 2030	10-day classroom	Muscat	Arabic	8,950
16–27 Dec 2030	10-day online	Live online	English	5,450

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