Garnet
Garnet Global Training Center

GGT-MT-116

Metrology, Calibration & Testing

Chemical Testing Laboratory Management

إدارة مختبرات الاختبار الكيميائي

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

Overview

Chemical Testing Laboratory Management equips managers and specialists to plan, organise and control this area of work, set targets and measure results. Accurate measurement, calibration and laboratory competence for industry and regulators. 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

- Set up and run Chemical Testing Laboratory Management as a managed process with clear roles.
- Control risk, quality and compliance in this area.
- Lead improvement projects and measure their benefit.
- Report clearly to senior management and stakeholders.
- Manage contractors, suppliers and internal customers.

Who should attend

Calibration and test lab staff, quality engineers, instrument technicians and lab managers. It suits supervisors, section heads and specialists who manage, or are about to manage, this area.

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 Chemical Testing Laboratory Management: the management framework

- Calibration procedures
- Group discussion and peer review

Day 2 Planning, resources and budgets

- ISO/IEC 17025 requirements
- Proficiency testing

Day 3 Performance measurement and control

- Measurement principles
- Measurement and reporting

Day 4 Risk, compliance and improvement

- Traceability and standards
- Hands-on workshop on a workplace challenge

Day 5 Management case study and action plan

- Uncertainty
- Common mistakes and how to avoid them

10-day outline

Day 1 Chemical Testing Laboratory Management: the management framework

- Calibration procedures
- Group discussion and peer review

Day 2 Planning, resources and budgets

- ISO/IEC 17025 requirements
- Proficiency testing

Day 3 Performance measurement and control

- Measurement principles
- Measurement and reporting

Day 4 Risk, compliance and improvement

- Traceability and standards
- Hands-on workshop on a workplace challenge

Day 5 Management case study and action plan

- Uncertainty
- 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)
5–9 Apr 2027	5-day classroom	Casablanca	Arabic	4,750
19–23 Jul 2027	5-day online	Live online	English	2,950
9–13 Aug 2027	5-day classroom	Vienna	English	4,750
4–15 Oct 2027	10-day classroom	London	English	8,950
3–14 Jan 2028	10-day classroom	London	English	8,950
6–10 Mar 2028	5-day classroom	Abu Dhabi	Arabic	4,750
15–19 May 2028	5-day classroom	Dubai	Arabic	4,750
18–29 Sep 2028	10-day online	Live online	English	5,450
19–23 Mar 2029	5-day online	Live online	Arabic	2,950

Dates	Format	City	Language	Fee (USD)
2–6 Apr 2029	5-day classroom	London	English	4,750
1–12 Jul 2029	10-day classroom	Kuwait City	Arabic	8,950
12–16 Nov 2029	5-day classroom	Singapore	English	4,750
7–18 Jan 2030	10-day online	Live online	Arabic	5,450
4–15 Feb 2030	10-day classroom	London	English	8,950
19–23 May 2030	5-day classroom	Riyadh	English	4,750
7–11 Oct 2030	5-day classroom	Abu Dhabi	English	4,750

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