Garnet
Garnet Global Training Center

GGT-MT-121

Metrology, Calibration & Testing

Statistical Tools for Laboratories

الأدوات الإحصائية للمختبرات

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

Overview

Statistical Tools for Laboratories focuses on how the work is actually done: the methods, checks and decisions practitioners use every day, illustrated with real cases from the region. 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 Statistical Tools for Laboratories to real tasks.
- Follow safe, compliant and documented work practices.
- 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.

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 Statistical Tools for Laboratories: principles and standards

- Calibration procedures
- Measurement and reporting

Day 2 Methods and tools in practice

- ISO/IEC 17025 requirements
- Proficiency testing

Day 3 Diagnosis and problem solving

- Measurement principles
- Hands-on workshop on a workplace challenge

Day 4 Quality, safety and documentation

- Traceability and standards
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan

- Uncertainty
- Regional and international case studies

10-day outline

Day 1 Statistical Tools for Laboratories: principles and standards

- Calibration procedures
- Measurement and reporting

Day 2 Methods and tools in practice

- ISO/IEC 17025 requirements
- Proficiency testing

Day 3 Diagnosis and problem solving

- Measurement principles
- Hands-on workshop on a workplace challenge

Day 4 Quality, safety and documentation

- Traceability and standards
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan

- Uncertainty
- Regional and international case studies

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Checklists and templates to take away

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
- Group discussion and peer review

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
2–6 May 2027	5-day classroom	Riyadh	Arabic	4,750
14–25 Jun 2027	10-day classroom	London	English	8,950
18–22 Oct 2027	5-day classroom	Paris	English	4,750
2–6 Jan 2028	5-day classroom	Manama	English	4,750
10–21 Apr 2028	10-day online	Live online	English	5,450
17–28 Jul 2028	10-day classroom	Singapore	English	8,950
3–7 Dec 2028	5-day classroom	Riyadh	Arabic	4,750
8–12 Jan 2029	5-day classroom	Istanbul	English	4,750

Dates	Format	City	Language	Fee (USD)
2–6 Jul 2029	5-day online	Live online	Arabic	2,950
19–30 Aug 2029	10-day classroom	Jeddah	English	8,950
3–7 Dec 2029	5-day classroom	London	English	4,750
6–10 May 2030	5-day classroom	Paris	English	4,750
17–28 Jun 2030	10-day classroom	Istanbul	English	8,950
12–23 Aug 2030	10-day online	Live online	Arabic	5,450
10–14 Nov 2030	5-day classroom	Riyadh	Arabic	4,750

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