Garnet
Garnet Global Training Center

GGT-MT-105

Metrology, Calibration & Testing

Dimensional Metrology

القياسات البعدية

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

Overview

Dimensional Metrology 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. 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 Dimensional Metrology 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

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 Dimensional Metrology: principles and standards
- Proficiency testing
- Hands-on workshop on a workplace challenge

Day 2 Methods and tools in practice
- Measurement principles
- Traceability and standards

Day 3 Diagnosis and problem solving
- Uncertainty
- Common mistakes and how to avoid them

Day 4 Quality, safety and documentation
- Calibration procedures
- Regional and international case studies

Day 5 Workshop, assessment and action plan
- ISO/IEC 17025 requirements
- Checklists and templates to take away

10-day outline

Day 1 Dimensional Metrology: principles and standards
- Proficiency testing
- Hands-on workshop on a workplace challenge

Day 2 Methods and tools in practice
- Measurement principles
- Traceability and standards

Day 3 Diagnosis and problem solving
- Uncertainty
- Common mistakes and how to avoid them

Day 4 Quality, safety and documentation
- Calibration procedures
- Regional and international case studies

Day 5 Workshop, assessment and action plan
- ISO/IEC 17025 requirements
- Checklists and templates to take away

Day 6 Advanced techniques and specialist practice
- Complex cases in depth
- Group discussion and peer review

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
- Measurement and reporting

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)
11–15 Apr 2027	5-day classroom	Doha	English	4,750
10–14 May 2027	5-day online	Live online	Arabic	2,950
16–20 Aug 2027	5-day classroom	Barcelona	English	4,750
20–31 Dec 2027	10-day classroom	Paris	English	8,950
13–24 Mar 2028	10-day classroom	Paris	English	8,950
2–6 Apr 2028	5-day classroom	Jeddah	English	4,750
8–19 May 2028	10-day online	Live online	Arabic	5,450
13–17 Aug 2028	5-day classroom	Amman	Arabic	4,750
8–12 Jan 2029	5-day classroom	Dubai	English	4,750
3–14 Jun 2029	10-day classroom	Jeddah	English	8,950

Dates	Format	City	Language	Fee (USD)
6–10 Aug 2029	5-day classroom	London	English	4,750
3–7 Dec 2029	5-day online	Live online	Arabic	2,950
21–25 Jan 2030	5-day classroom	Dubai	English	4,750
11–22 Mar 2030	10-day classroom	London	English	8,950
21 Oct – 1 Nov 2030	10-day online	Live online	English	5,450
2–6 Dec 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/