Garnet
Garnet Global Training Center

GGT-MT-102

Metrology, Calibration & Testing

Measurement Uncertainty

حساب عدم اليقين في القياس

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

Overview

Measurement Uncertainty 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 Measurement Uncertainty 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 Measurement Uncertainty: principles and standards

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

Day 2 Methods and tools in practice

- Uncertainty
- Calibration procedures

Day 3 Diagnosis and problem solving

- ISO/IEC 17025 requirements
- Common mistakes and how to avoid them

Day 4 Quality, safety and documentation

- Proficiency testing
- Regional and international case studies

Day 5 Workshop, assessment and action plan

- Measurement principles
- Checklists and templates to take away

10-day outline

Day 1 Measurement Uncertainty: principles and standards

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

Day 2 Methods and tools in practice

- Uncertainty
- Calibration procedures

Day 3 Diagnosis and problem solving

- ISO/IEC 17025 requirements
- Common mistakes and how to avoid them

Day 4 Quality, safety and documentation

- Proficiency testing
- Regional and international case studies

Day 5 Workshop, assessment and action plan

- Measurement principles
- 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)
8–12 Mar 2027	5-day classroom	Amsterdam	English	4,750
12–16 Apr 2027	5-day online	Live online	Arabic	2,950
3–7 May 2027	5-day classroom	London	English	4,750
16–27 Aug 2027	10-day classroom	Singapore	English	8,950
7–11 Feb 2028	5-day classroom	London	English	4,750
17–28 Apr 2028	10-day online	Live online	Arabic	5,450
6–10 Aug 2028	5-day classroom	Cairo	Arabic	4,750
2–13 Oct 2028	10-day classroom	Dubai	English	8,950
14–18 Jan 2029	5-day classroom	Manama	English	4,750

Dates	Format	City	Language	Fee (USD)
21–25 May 2029	5-day online	Live online	Arabic	2,950
20–31 Aug 2029	10-day classroom	Abu Dhabi	Arabic	8,950
12–16 Nov 2029	5-day classroom	Amsterdam	English	4,750
11–15 Mar 2030	5-day classroom	Abu Dhabi	Arabic	4,750
9–13 Jun 2030	5-day classroom	Muscat	Arabic	4,750
1–12 Jul 2030	10-day classroom	Istanbul	English	8,950
11–22 Nov 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/