Garnet
Garnet Global Training Center

GGT-MT-109

Metrology, Calibration & Testing

Mass & Balance Calibration

معايرة الكتل والموازين

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

Overview

Participants in Mass & Balance Calibration practise the methods, tools and standards they need to perform reliably and solve problems on the job. 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 Mass & Balance Calibration to real tasks.
- Diagnose common problems and identify root causes.
- Interpret data and results correctly and act on them.
- Follow safe, compliant and documented work practices.
- Avoid the mistakes that most often cause rework or failure.

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 Mass & Balance Calibration: 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 Mass & Balance Calibration: 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)
4–8 Jan 2027	5-day online	Live online	Arabic	2,950
8–12 Feb 2027	5-day classroom	Paris	English	4,750
16–20 May 2027	5-day classroom	Manama	Arabic	4,750
10–21 Oct 2027	10-day classroom	Riyadh	Arabic	8,950
12–16 Mar 2028	5-day classroom	Riyadh	English	4,750
17–21 Apr 2028	5-day classroom	Amsterdam	English	4,750
14–25 Aug 2028	10-day online	Live online	Arabic	5,450
10–21 Dec 2028	10-day classroom	Manama	Arabic	8,950
3–14 Sep 2029	10-day classroom	Abu Dhabi	English	8,950

Dates	Format	City	Language	Fee (USD)
14–18 Oct 2029	5-day classroom	Riyadh	Arabic	4,750
19–23 Nov 2029	5-day online	Live online	English	2,950
17–21 Dec 2029	5-day classroom	London	English	4,750
18 Feb – 1 Mar 2030	10-day online	Live online	English	5,450
17–21 Jun 2030	5-day classroom	Abu Dhabi	Arabic	4,750
11–22 Aug 2030	10-day classroom	Kuwait City	Arabic	8,950
15–19 Dec 2030	5-day classroom	Muscat	English	4,750

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