Garnet
Garnet Global Training Center

GGT-WT-109

Water, Wastewater & Desalination

Water Quality Monitoring & Laboratory

مراقبة جودة المياه والمختبرات

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

Overview

Water Quality Monitoring & Laboratory focuses on how the work is actually done: the methods, checks and decisions practitioners use every day, illustrated with real cases from the region. Treatment, networks and desalination programs for water utilities and industry. 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 Water Quality Monitoring & Laboratory 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

Water utility engineers, plant operators, network and environmental specialists. Practitioners with one to five years of experience benefit most.

Key topics

- Water quality and standards
- Treatment processes
- Networks, pumping and losses
- Plant operation and chemicals
- Energy use in water systems
- Regulation and reporting

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 Water Quality Monitoring & Laboratory: principles and standards

- Plant operation and chemicals
- Regional and international case studies

Day 2 Methods and tools in practice

- Energy use in water systems
- Regulation and reporting

Day 3 Diagnosis and problem solving

- Water quality and standards
- Checklists and templates to take away

Day 4 Quality, safety and documentation

- Treatment processes
- Group discussion and peer review

Day 5 Workshop, assessment and action plan

- Networks, pumping and losses
- Measurement and reporting

10-day outline

Day 1 Water Quality Monitoring & Laboratory: principles and standards

- Plant operation and chemicals
- Regional and international case studies

Day 2 Methods and tools in practice

- Energy use in water systems
- Regulation and reporting

Day 3 Diagnosis and problem solving

- Water quality and standards
- Checklists and templates to take away

Day 4 Quality, safety and documentation

- Treatment processes
- Group discussion and peer review

Day 5 Workshop, assessment and action plan

- Networks, pumping and losses
- Measurement and reporting

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Hands-on workshop on a workplace challenge

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
- Common mistakes and how to avoid them

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)
3–7 Jan 2027	5-day classroom	Jeddah	Arabic	4,750
1–12 Feb 2027	10-day classroom	Amsterdam	English	8,950
12–16 Apr 2027	5-day classroom	Istanbul	English	4,750
17–21 May 2027	5-day online	Live online	Arabic	2,950
3–14 Apr 2028	10-day classroom	London	English	8,950
15–19 Oct 2028	5-day classroom	Riyadh	English	4,750
6–10 Nov 2028	5-day classroom	Geneva	English	4,750
4–15 Dec 2028	10-day online	Live online	English	5,450
12–16 Feb 2029	5-day classroom	London	English	4,750

Dates	Format	City	Language	Fee (USD)
8–19 Jul 2029	10-day classroom	Riyadh	Arabic	8,950
8–12 Oct 2029	5-day classroom	Istanbul	English	4,750
19–23 Nov 2029	5-day online	Live online	English	2,950
14–18 Jan 2030	5-day classroom	London	English	4,750
8–12 Apr 2030	5-day classroom	Barcelona	English	4,750
20–31 May 2030	10-day online	Live online	Arabic	5,450
16–27 Sep 2030	10-day classroom	Dubai	English	8,950

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