Garnet
Garnet Global Training Center

GGT-NR-118

Nuclear & Radiation Safety **Rare specialisation**

Nuclear Quality Assurance

ضمان الجودة النووي

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

Overview

Nuclear Quality Assurance turns established good practice into step-by-step methods that participants rehearse in exercises and then apply at work. Safe use of radiation sources in industry, medicine and energy, aligned with international safety standards. 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 Nuclear Quality Assurance 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

Radiation protection officers, industrial radiographers, medical physicists and nuclear sector staff. Practitioners with one to five years of experience benefit most.

Key topics

- Radiation physics basics
- Dose limits and regulation
- Shielding and monitoring
- Source security
- Emergency planning
- Waste and transport

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 Nuclear Quality Assurance: principles and standards

- Dose limits and regulation
- Measurement and reporting

Day 2 Methods and tools in practice

- Shielding and monitoring
- Source security

Day 3 Diagnosis and problem solving

- Emergency planning
- Hands-on workshop on a workplace challenge

Day 4 Quality, safety and documentation

- Waste and transport
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan

- Radiation physics basics
- Regional and international case studies

10-day outline

Day 1 Nuclear Quality Assurance: principles and standards

- Dose limits and regulation
- Measurement and reporting

Day 2 Methods and tools in practice

- Shielding and monitoring
- Source security

Day 3 Diagnosis and problem solving

- Emergency planning
- Hands-on workshop on a workplace challenge

Day 4 Quality, safety and documentation

- Waste and transport
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan

- Radiation physics basics
- 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)
7–11 Mar 2027	5-day classroom	Muscat	English	4,750
5–9 Apr 2027	5-day online	Live online	Arabic	2,950
2–6 May 2027	5-day classroom	Amman	English	4,750
14–25 Jun 2027	10-day classroom	London	English	8,950
10–21 Apr 2028	10-day online	Live online	English	5,450
7–18 May 2028	10-day classroom	Riyadh	English	8,950
10–14 Jul 2028	5-day classroom	Paris	English	4,750
2–6 Oct 2028	5-day classroom	Kuala Lumpur	English	4,750
1–5 Jan 2029	5-day online	Live online	English	2,950

Dates	Format	City	Language	Fee (USD)
11–15 Feb 2029	5-day classroom	Amman	English	4,750
15–19 Oct 2029	5-day classroom	London	English	4,750
18–29 Nov 2029	10-day classroom	Jeddah	Arabic	8,950
10–14 Feb 2030	5-day classroom	Manama	English	4,750
1–12 Apr 2030	10-day classroom	Casablanca	English	8,950
19–23 Aug 2030	5-day classroom	Singapore	English	4,750
4–15 Nov 2030	10-day online	Live online	Arabic	5,450

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