Garnet
Garnet Global Training Center

GGT-NR-115

Nuclear & Radiation Safety

Non-Ionising Radiation & Laser Safety

الإشعاع غير المؤين وسلامة الليزر

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

Overview

Participants in Non-Ionising Radiation & Laser Safety practise the methods, tools and standards they need to perform reliably and solve problems on the job. Safe use of radiation sources in industry, medicine and energy, aligned with international safety standards. It runs as a 5-day or 10-day program in English or Arabic, in classrooms in Dubai, Riyadh, Cairo, London, Istanbul and other cities, or live online, and can be delivered in-house.

What you will be able to do

- Apply the methods and standards of Non-Ionising Radiation & Laser Safety to real tasks.
- Follow safe, compliant and documented work practices.
- Avoid the mistakes that most often cause rework or failure.
- Share good practice with your team.
- Use the right tools, checks and calculations step by step.

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 Non-Ionising Radiation & Laser Safety: principles and standards

- Radiation physics basics
- Regional and international case studies

Day 2 Methods and tools in practice

- Dose limits and regulation
- Shielding and monitoring

Day 3 Diagnosis and problem solving

- Source security
- Checklists and templates to take away

Day 4 Quality, safety and documentation

- Emergency planning
- Group discussion and peer review

Day 5 Workshop, assessment and action plan

- Waste and transport
- Measurement and reporting

10-day outline

Day 1 Non-Ionising Radiation & Laser Safety: principles and standards

- Radiation physics basics
- Regional and international case studies

Day 2 Methods and tools in practice

- Dose limits and regulation
- Shielding and monitoring

Day 3 Diagnosis and problem solving

- Source security
- Checklists and templates to take away

Day 4 Quality, safety and documentation

- Emergency planning
- Group discussion and peer review

Day 5 Workshop, assessment and action plan

- Waste and transport
- 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)
18–29 Jan 2027	10-day classroom	Amsterdam	English	8,950
8–12 Feb 2027	5-day classroom	Dubai	English	4,750
13–17 Sep 2027	5-day classroom	Istanbul	English	4,750
20–24 Dec 2027	5-day online	Live online	Arabic	2,950
17–28 Jan 2028	10-day online	Live online	Arabic	5,450
15–26 May 2028	10-day classroom	Geneva	English	8,950
19–23 Jun 2028	5-day classroom	Barcelona	English	4,750
9–13 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)
4–8 Jun 2029	5-day classroom	Dubai	Arabic	4,750
8–12 Oct 2029	5-day classroom	Abu Dhabi	Arabic	4,750
9–20 Dec 2029	10-day classroom	Jeddah	English	8,950
3–14 Jun 2030	10-day online	Live online	English	5,450
7–11 Jul 2030	5-day classroom	Manama	Arabic	4,750
20–31 Oct 2030	10-day classroom	Riyadh	English	8,950
11–15 Nov 2030	5-day classroom	Paris	English	4,750

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