Garnet
Garnet Global Training Center

GGT-NR-117

Nuclear & Radiation Safety **Rare specialisation**

Radiation Shielding Design

تصميم التدريع الإشعاعي

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

Overview

Participants in Radiation Shielding Design 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. You can join a public session in one of 20 cities or live online, in English or Arabic, or bring the course in-house with examples from your own operations.

What you will be able to do

- Apply the methods and standards of Radiation Shielding Design to real tasks.
- 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.
- Diagnose common problems and identify root causes.

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

WhatsApp: +971 56 674 7382

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 Radiation Shielding Design: principles and standards

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

Day 2 Methods and tools in practice

- Radiation physics basics
- Dose limits and regulation

Day 3 Diagnosis and problem solving

- Shielding and monitoring
- Regional and international case studies

Day 4 Quality, safety and documentation

- Source security
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan

- Emergency planning
- Group discussion and peer review

10-day outline

Day 1 Radiation Shielding Design: principles and standards

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

Day 2 Methods and tools in practice

- Radiation physics basics
- Dose limits and regulation

Day 3 Diagnosis and problem solving

- Shielding and monitoring
- Regional and international case studies

Day 4 Quality, safety and documentation

- Source security
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan

- Emergency planning
- Group discussion and peer review

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Measurement and reporting

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
- Hands-on workshop on a workplace challenge

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)
17–21 Jan 2027	5-day classroom	Riyadh	English	4,750
8–12 Mar 2027	5-day online	Live online	English	2,950
5–16 Jul 2027	10-day classroom	London	English	8,950
6–10 Dec 2027	5-day classroom	Casablanca	Arabic	4,750
8–19 May 2028	10-day online	Live online	English	5,450
12–16 Jun 2028	5-day classroom	Abu Dhabi	English	4,750
20–31 Aug 2028	10-day classroom	Doha	Arabic	8,950
11–15 Dec 2028	5-day classroom	Casablanca	English	4,750
15–19 Jan 2029	5-day classroom	Dubai	Arabic	4,750

Dates	Format	City	Language	Fee (USD)
16–27 Sep 2029	10-day classroom	Amman	Arabic	8,950
1–5 Oct 2029	5-day classroom	Kuala Lumpur	English	4,750
12–16 Nov 2029	5-day online	Live online	Arabic	2,950
13–17 May 2030	5-day classroom	Barcelona	English	4,750
10–14 Jun 2030	5-day classroom	Kuala Lumpur	English	4,750
19–30 Aug 2030	10-day online	Live online	Arabic	5,450
7–18 Oct 2030	10-day classroom	London	English	8,950

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