Garnet
Garnet Global Training Center

GGT-NR-109

Nuclear & Radiation Safety **Rare specialisation**

Radiological Emergency Preparedness

الاستعداد للطوارئ الإشعاعية

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

Overview

Radiological Emergency Preparedness 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 Radiological Emergency Preparedness 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

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 Radiological Emergency Preparedness: principles and standards

- Source security
- Regional and international case studies

Day 2 Methods and tools in practice

- Emergency planning
- Waste and transport

Day 3 Diagnosis and problem solving

- Radiation physics basics
- Checklists and templates to take away

Day 4 Quality, safety and documentation

- Dose limits and regulation
- Group discussion and peer review

Day 5 Workshop, assessment and action plan

- Shielding and monitoring
- Measurement and reporting

10-day outline

Day 1 Radiological Emergency Preparedness: principles and standards

- Source security
- Regional and international case studies

Day 2 Methods and tools in practice

- Emergency planning
- Waste and transport

Day 3 Diagnosis and problem solving

- Radiation physics basics
- Checklists and templates to take away

Day 4 Quality, safety and documentation

- Dose limits and regulation
- Group discussion and peer review

Day 5 Workshop, assessment and action plan

- Shielding and monitoring
- 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)
1–12 Mar 2027	10-day classroom	Barcelona	English	8,950
9–13 Aug 2027	5-day online	Live online	English	2,950
5–9 Sep 2027	5-day classroom	Cairo	Arabic	4,750
6–10 Dec 2027	5-day classroom	Dubai	Arabic	4,750
3–14 Jan 2028	10-day online	Live online	Arabic	5,450
14–18 Feb 2028	5-day classroom	Barcelona	English	4,750
3–7 Apr 2028	5-day classroom	Dubai	Arabic	4,750
4–15 Jun 2028	10-day classroom	Kuwait City	Arabic	8,950
4–8 Mar 2029	5-day classroom	Riyadh	English	4,750

Dates	Format	City	Language	Fee (USD)
6–17 May 2029	10-day classroom	Cairo	Arabic	8,950
11–15 Jun 2029	5-day online	Live online	Arabic	2,950
15–19 Oct 2029	5-day classroom	London	English	4,750
21–25 Jan 2030	5-day classroom	Dubai	English	4,750
10–14 Mar 2030	5-day classroom	Cairo	English	4,750
6–17 May 2030	10-day online	Live online	Arabic	5,450
16–27 Dec 2030	10-day classroom	Barcelona	English	8,950

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