Garnet
Garnet Global Training Center

GGT-NR-116

Nuclear & Radiation Safety **Rare specialisation**

Medical Physics for Imaging

الفيزياء الطبية للتصوير

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

Overview

Participants in Medical Physics for Imaging 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 Medical Physics for Imaging to real tasks.
- 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.
- Share good practice with your team.

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 Medical Physics for Imaging: principles and standards

- Emergency planning
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice

- Waste and transport
- Radiation physics basics

Day 3 Diagnosis and problem solving

- Dose limits and regulation
- Regional and international case studies

Day 4 Quality, safety and documentation

- Shielding and monitoring
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan

- Source security
- Group discussion and peer review

10-day outline

Day 1 Medical Physics for Imaging: principles and standards

- Emergency planning
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice

- Waste and transport
- Radiation physics basics

Day 3 Diagnosis and problem solving

- Dose limits and regulation
- Regional and international case studies

Day 4 Quality, safety and documentation

- Shielding and monitoring
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan

- Source security
- 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)
17–28 Jan 2027	10-day classroom	Cairo	Arabic	8,950
3–7 May 2027	5-day online	Live online	English	2,950
13–17 Sep 2027	5-day classroom	Istanbul	English	4,750
6–10 Dec 2027	5-day classroom	Barcelona	English	4,750
3–7 Apr 2028	5-day classroom	London	English	4,750
17–28 Jul 2028	10-day online	Live online	Arabic	5,450
9–13 Oct 2028	5-day classroom	Dubai	English	4,750
12–23 Nov 2028	10-day classroom	Doha	Arabic	8,950
7–11 Jan 2029	5-day classroom	Cairo	Arabic	4,750

Dates	Format	City	Language	Fee (USD)
17–21 Jun 2029	5-day classroom	Kuwait City	English	4,750
20–31 Aug 2029	10-day classroom	Kuala Lumpur	English	8,950
12–16 Nov 2029	5-day online	Live online	Arabic	2,950
10–14 Feb 2030	5-day classroom	Cairo	English	4,750
11–22 Mar 2030	10-day classroom	Geneva	English	8,950
8–12 Apr 2030	5-day classroom	Kuala Lumpur	English	4,750
9–20 Dec 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/