Garnet
Garnet Global Training Center

GGT-HS-113

HSE & Process Safety **Rare specialisation**

Quantitative Risk Assessment (QRA)

التقييم الكمي للمخاطر (QRA)

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

Overview

Participants in Quantitative Risk Assessment (QRA) practise the methods, tools and standards they need to perform reliably and solve problems on the job. Prevent incidents by understanding hazards, controlling risk and leading safety culture. 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 Quantitative Risk Assessment (QRA) 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

HSE professionals, operations leaders, supervisors and anyone accountable for safe work. Practitioners with one to five years of experience benefit most.

Key topics

- Hazard identification and risk assessment
- Barriers, bow-tie and layers of protection
- Legal duties and international standards
- Human factors and safety culture
- Emergency preparedness
- Lessons from major accident investigations

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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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 Quantitative Risk Assessment (QRA): principles and standards

- Legal duties and international standards
- Group discussion and peer review

Day 2 Methods and tools in practice

- Human factors and safety culture
- Emergency preparedness

Day 3 Diagnosis and problem solving

- Lessons from major accident investigations
- Measurement and reporting

Day 4 Quality, safety and documentation

- Hazard identification and risk assessment
- Hands-on workshop on a workplace challenge

Day 5 Workshop, assessment and action plan

- Barriers, bow-tie and layers of protection
- Common mistakes and how to avoid them

10-day outline

Day 1 Quantitative Risk Assessment (QRA): principles and standards

- Legal duties and international standards
- Group discussion and peer review

Day 2 Methods and tools in practice

- Human factors and safety culture
- Emergency preparedness

Day 3 Diagnosis and problem solving

- Lessons from major accident investigations
- Measurement and reporting

Day 4 Quality, safety and documentation

- Hazard identification and risk assessment
- Hands-on workshop on a workplace challenge

Day 5 Workshop, assessment and action plan

- Barriers, bow-tie and layers of protection
- Common mistakes and how to avoid them

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Regional and international case studies

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
- Checklists and templates to take away

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)
8–19 Mar 2027	10-day classroom	London	English	8,950
4–8 Jul 2027	5-day classroom	Jeddah	English	4,750
2–6 Aug 2027	5-day online	Live online	English	2,950
10–14 Oct 2027	5-day classroom	Cairo	Arabic	4,750
16–20 Jan 2028	5-day classroom	Jeddah	English	4,750
9–13 Apr 2028	5-day classroom	Riyadh	Arabic	4,750
10–21 Sep 2028	10-day classroom	Muscat	English	8,950
6–17 Nov 2028	10-day online	Live online	English	5,450
21–25 Jan 2029	5-day classroom	Kuwait City	Arabic	4,750

Dates	Format	City	Language	Fee (USD)
2–6 Jul 2029	5-day classroom	Abu Dhabi	Arabic	4,750
8–12 Oct 2029	5-day online	Live online	English	2,950
5–16 Nov 2029	10-day classroom	Dubai	Arabic	8,950
4–8 Feb 2030	5-day classroom	Istanbul	English	4,750
3–14 Mar 2030	10-day classroom	Riyadh	Arabic	8,950
8–19 Jul 2030	10-day online	Live online	English	5,450
4–8 Nov 2030	5-day classroom	Dubai	English	4,750

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