Garnet
Garnet Global Training Center

GGT-CV-121

Construction, Civil & Infrastructure

Reinforced Concrete Design

تصميم الخرسانة المسلحة

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

Overview

Reinforced Concrete Design turns established good practice into step-by-step methods that participants rehearse in exercises and then apply at work. Design, construction and asset programs for buildings, roads, bridges and utilities. 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 Reinforced Concrete Design to real tasks.
- Use the right tools, checks and calculations step by step.
- Diagnose common problems and identify root causes.
- Interpret data and results correctly and act on them.
- Follow safe, compliant and documented work practices.

Who should attend

Civil and structural engineers, site managers, consultants and infrastructure owners. Practitioners with one to five years of experience benefit most.

Key topics

- Codes and specifications
- Materials and testing
- Site supervision and QA/QC
- Construction safety
- Quantity surveying and cost
- BIM and digital construction

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 Reinforced Concrete Design: principles and standards

- Site supervision and QA/QC
- Regional and international case studies

Day 2 Methods and tools in practice

- Construction safety
- Quantity surveying and cost

Day 3 Diagnosis and problem solving

- BIM and digital construction
- Checklists and templates to take away

Day 4 Quality, safety and documentation

- Codes and specifications
- Group discussion and peer review

Day 5 Workshop, assessment and action plan

- Materials and testing
- Measurement and reporting

10-day outline

Day 1 Reinforced Concrete Design: principles and standards

- Site supervision and QA/QC
- Regional and international case studies

Day 2 Methods and tools in practice

- Construction safety
- Quantity surveying and cost

Day 3 Diagnosis and problem solving

- BIM and digital construction
- Checklists and templates to take away

Day 4 Quality, safety and documentation

- Codes and specifications
- Group discussion and peer review

Day 5 Workshop, assessment and action plan

- Materials and testing
- 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)
1–5 Feb 2027	5-day online	Live online	English	2,950
5–9 Jul 2027	5-day classroom	Abu Dhabi	Arabic	4,750
14–18 Nov 2027	5-day classroom	Manama	Arabic	4,750
12–23 Dec 2027	10-day classroom	Jeddah	English	8,950
17–28 Jan 2028	10-day online	Live online	English	5,450
20–24 Mar 2028	5-day classroom	Kuala Lumpur	English	4,750
1–5 Oct 2028	5-day classroom	Cairo	English	4,750
19–30 Nov 2028	10-day classroom	Muscat	English	8,950
5–9 Mar 2029	5-day classroom	Vienna	English	4,750

Dates	Format	City	Language	Fee (USD)
7–18 May 2029	10-day classroom	Abu Dhabi	English	8,950
16–20 Sep 2029	5-day classroom	Riyadh	English	4,750
15–19 Oct 2029	5-day online	Live online	Arabic	2,950
20–24 Jan 2030	5-day classroom	Muscat	Arabic	4,750
18–22 Mar 2030	5-day classroom	Paris	English	4,750
4–15 Aug 2030	10-day classroom	Doha	Arabic	8,950
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/