Garnet
Garnet Global Training Center

GGT-CV-107

Construction, Civil & Infrastructure

Geotechnical Engineering & Foundations

الهندسة الجيوتقنية والأساسات

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

Overview

Geotechnical Engineering & Foundations is designed for people who are new to the subject, or who need a structured refresher before taking on more responsibility. Design, construction and asset programs for buildings, roads, bridges and utilities. 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

- Explain the key concepts, terms and standards of Geotechnical Engineering & Foundations.
- Communicate confidently with specialists and colleagues.
- Plan the next steps in your own learning.
- Recognise the main hazards, errors and misconceptions newcomers face.
- Carry out basic tasks correctly using simple checklists and tools.

Who should attend

Civil and structural engineers, site managers, consultants and infrastructure owners. No prior experience is required; it also suits new hires, graduates and staff moving into this field.

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 Introduction to Geotechnical Engineering & Foundations

- Codes and specifications
- Hands-on workshop on a workplace challenge

Day 2 Core concepts and terminology

- Materials and testing
- Site supervision and QA/QC

Day 3 Basic methods and tools

- Construction safety
- Common mistakes and how to avoid them

Day 4 Working safely and correctly

- Quantity surveying and cost
- Regional and international case studies

Day 5 Practical exercises and review

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

10-day outline

Day 1 Introduction to Geotechnical Engineering & Foundations

- Codes and specifications
- Hands-on workshop on a workplace challenge

Day 2 Core concepts and terminology

- Materials and testing
- Site supervision and QA/QC

Day 3 Basic methods and tools

- Construction safety
- Common mistakes and how to avoid them

Day 4 Working safely and correctly

- Quantity surveying and cost
- Regional and international case studies

Day 5 Practical exercises and review

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

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Group discussion and peer review

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
- Measurement and reporting

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)
7–11 Mar 2027	5-day classroom	Muscat	English	4,750
11–15 Jul 2027	5-day classroom	Cairo	Arabic	4,750
10–21 Oct 2027	10-day classroom	Manama	English	8,950
13–17 Dec 2027	5-day online	Live online	English	2,950
17–21 Jan 2028	5-day classroom	London	English	4,750
13–24 Mar 2028	10-day online	Live online	Arabic	5,450
15–19 Oct 2028	5-day classroom	Doha	Arabic	4,750
11–22 Dec 2028	10-day classroom	Kuala Lumpur	English	8,950
4–15 Feb 2029	10-day classroom	Cairo	Arabic	8,950

Dates	Format	City	Language	Fee (USD)
4–8 Jun 2029	5-day classroom	Abu Dhabi	Arabic	4,750
2–6 Jul 2029	5-day online	Live online	Arabic	2,950
5–9 Nov 2029	5-day classroom	Dubai	English	4,750
14–18 Jan 2030	5-day classroom	Barcelona	English	4,750
8–12 Apr 2030	5-day classroom	Dubai	English	4,750
7–18 Oct 2030	10-day online	Live online	Arabic	5,450
2–13 Dec 2030	10-day classroom	London	English	8,950

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