Garnet
Garnet Global Training Center

GGT-GE-112

Geoscience, Geology & Surveying

Hydrogeology & Groundwater Exploration

الهيدروجيولوجيا واستكشاف المياه الجوفية

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

Overview

Hydrogeology & Groundwater Exploration focuses on how the work is actually done: the methods, checks and decisions practitioners use every day, illustrated with real cases from the region. Geology, geophysics, GIS and surveying for energy, mining, water and construction projects. 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 Hydrogeology & Groundwater Exploration 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

Geologists, geophysicists, surveyors, GIS specialists and petroleum engineers. Practitioners with one to five years of experience benefit most.

Key topics

- Earth materials and structures
- Data acquisition
- Interpretation workflows
- Mapping and GIS
- Software tools
- Field case studies

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 Hydrogeology & Groundwater Exploration: principles and standards
- Earth materials and structures
- Measurement and reporting

Day 2 Methods and tools in practice
- Data acquisition
- Interpretation workflows

Day 3 Diagnosis and problem solving
- Mapping and GIS
- Hands-on workshop on a workplace challenge

Day 4 Quality, safety and documentation
- Software tools
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan
- Field case studies
- Regional and international case studies

10-day outline

Day 1 Hydrogeology & Groundwater Exploration: principles and standards
- Earth materials and structures
- Measurement and reporting

Day 2 Methods and tools in practice
- Data acquisition
- Interpretation workflows

Day 3 Diagnosis and problem solving
- Mapping and GIS
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- Software tools
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Day 5 Workshop, assessment and action plan
- Field case studies
- Regional and international case studies

Day 6 Advanced techniques and specialist practice
- Complex cases in depth
- Checklists and templates to take away

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
- Group discussion and peer review

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)
18–22 Jan 2027	5-day classroom	Abu Dhabi	Arabic	4,750
12–16 Apr 2027	5-day online	Live online	Arabic	2,950
5–16 Jul 2027	10-day classroom	Barcelona	English	8,950
9–13 Aug 2027	5-day classroom	Amsterdam	English	4,750
13–17 Mar 2028	5-day classroom	Amsterdam	English	4,750
17–28 Apr 2028	10-day online	Live online	English	5,450
1–12 May 2028	10-day classroom	Barcelona	English	8,950
14–18 Aug 2028	5-day classroom	Paris	English	4,750
15–19 Apr 2029	5-day classroom	Riyadh	Arabic	4,750

Dates	Format	City	Language	Fee (USD)
14–18 May 2029	5-day online	Live online	English	2,950
13–24 Aug 2029	10-day classroom	Dubai	English	8,950
7–11 Oct 2029	5-day classroom	Amman	English	4,750
4–8 Mar 2030	5-day classroom	London	English	4,750
5–16 May 2030	10-day classroom	Doha	English	8,950
3–14 Jun 2030	10-day online	Live online	Arabic	5,450
8–12 Sep 2030	5-day classroom	Jeddah	English	4,750

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