Garnet
Garnet Global Training Center

GGT-GE-105

Geoscience, Geology & Surveying **Rare specialisation**

Seismic Data Acquisition & Processing

اكتساب ومعالجة البيانات السيزمية

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

Overview

Participants in Seismic Data Acquisition & Processing practise the methods, tools and standards they need to perform reliably and solve problems on the job. Geology, geophysics, GIS and surveying for energy, mining, water and construction projects. You can join a public session in one of 20 cities or live online, in English or Arabic, or bring the course in-house with examples from your own operations.

What you will be able to do

- Apply the methods and standards of Seismic Data Acquisition & Processing to real tasks.
- Diagnose common problems and identify root causes.
- 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.

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 Seismic Data Acquisition & Processing: principles and standards

- Software tools
- Measurement and reporting

Day 2 Methods and tools in practice

- Field case studies
- Earth materials and structures

Day 3 Diagnosis and problem solving

- Data acquisition
- Hands-on workshop on a workplace challenge

Day 4 Quality, safety and documentation

- Interpretation workflows
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan

- Mapping and GIS
- Regional and international case studies

10-day outline

Day 1 Seismic Data Acquisition & Processing: principles and standards

- Software tools
- Measurement and reporting

Day 2 Methods and tools in practice

- Field case studies
- Earth materials and structures

Day 3 Diagnosis and problem solving

- Data acquisition
- Hands-on workshop on a workplace challenge

Day 4 Quality, safety and documentation

- Interpretation workflows
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan

- Mapping and GIS
- 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)
4–8 Jan 2027	5-day classroom	Dubai	English	4,750
8–19 Aug 2027	10-day classroom	Riyadh	Arabic	8,950
13–17 Sep 2027	5-day online	Live online	English	2,950
20–24 Dec 2027	5-day classroom	Istanbul	English	4,750
21 Feb – 3 Mar 2028	10-day online	Live online	Arabic	5,450
20–31 Mar 2028	10-day classroom	Paris	English	8,950
9–13 Oct 2028	5-day classroom	Abu Dhabi	Arabic	4,750
13–17 Nov 2028	5-day classroom	Dubai	English	4,750
8–12 Jan 2029	5-day online	Live online	Arabic	2,950

Dates	Format	City	Language	Fee (USD)
18–22 Mar 2029	5-day classroom	Muscat	Arabic	4,750
12–23 Nov 2029	10-day classroom	Singapore	English	8,950
10–14 Dec 2029	5-day classroom	Amsterdam	English	4,750
1–5 Apr 2030	5-day classroom	Geneva	English	4,750
6–17 May 2030	10-day classroom	Abu Dhabi	Arabic	8,950
5–16 Aug 2030	10-day online	Live online	English	5,450
9–13 Dec 2030	5-day classroom	London	English	4,750

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