Garnet
Garnet Global Training Center

GGT-OG-110

Oil, Gas & Petrochemicals

Reservoir Engineering Fundamentals

أساسيات هندسة المكامن

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

Overview

Reservoir Engineering Fundamentals is designed for people who are new to the subject, or who need a structured refresher before taking on more responsibility. Upstream, midstream and downstream programs built around how plants and fields are actually run. 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 Reservoir Engineering Fundamentals.
- Recognise the main hazards, errors and misconceptions newcomers face.
- Carry out basic tasks correctly using simple checklists and tools.
- Read and use the documents, forms and data common in this field.
- Know when to escalate and who to involve.

Who should attend

Operations, process, production and integrity engineers, supervisors and technical managers. No prior experience is required; it also suits new hires, graduates and staff moving into this field.

Key topics

- Process fundamentals and unit operations
- API, ASME and ISO standards in practice
- Operating envelopes and troubleshooting
- Integrity, corrosion and inspection
- Production optimisation and losses
- Field case studies from the region

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 Reservoir Engineering Fundamentals

- Integrity, corrosion and inspection
- Checklists and templates to take away

Day 2 Core concepts and terminology

- Production optimisation and losses
- Field case studies from the region

Day 3 Basic methods and tools

- Process fundamentals and unit operations
- Group discussion and peer review

Day 4 Working safely and correctly

- API, ASME and ISO standards in practice
- Measurement and reporting

Day 5 Practical exercises and review

- Operating envelopes and troubleshooting
- Hands-on workshop on a workplace challenge

10-day outline

Day 1 Introduction to Reservoir Engineering Fundamentals

- Integrity, corrosion and inspection
- Checklists and templates to take away

Day 2 Core concepts and terminology

- Production optimisation and losses
- Field case studies from the region

Day 3 Basic methods and tools

- Process fundamentals and unit operations
- Group discussion and peer review

Day 4 Working safely and correctly

- API, ASME and ISO standards in practice
- Measurement and reporting

Day 5 Practical exercises and review

- Operating envelopes and troubleshooting
- Hands-on workshop on a workplace challenge

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Common mistakes and how to avoid them

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
- Regional and international case studies

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)
8–12 Mar 2027	5-day online	Live online	Arabic	2,950
8–12 Aug 2027	5-day classroom	Kuwait City	English	4,750
13–24 Sep 2027	10-day classroom	Paris	English	8,950
6–10 Dec 2027	5-day classroom	London	English	4,750
10–14 Jan 2028	5-day classroom	Abu Dhabi	Arabic	4,750
20–31 Mar 2028	10-day classroom	London	English	8,950
10–14 Jul 2028	5-day classroom	Istanbul	English	4,750
14–25 Aug 2028	10-day online	Live online	English	5,450
7–18 Jan 2029	10-day classroom	Amman	English	8,950

Dates	Format	City	Language	Fee (USD)
18–22 Mar 2029	5-day classroom	Jeddah	English	4,750
18–22 Jun 2029	5-day classroom	Amsterdam	English	4,750
20–24 Aug 2029	5-day online	Live online	Arabic	2,950
13–24 Jan 2030	10-day classroom	Doha	English	8,950
4–8 Feb 2030	5-day classroom	Amsterdam	English	4,750
18–29 Mar 2030	10-day online	Live online	Arabic	5,450
1–5 Jul 2030	5-day classroom	Dubai	English	4,750

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