Garnet
Garnet Global Training Center

GGT-WN-103

Inspection, Welding & NDT

Ultrasonic Testing (UT)

الفحص بالموجات فوق الصوتية (UT)

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

Overview

Ultrasonic Testing (UT) focuses on how the work is actually done: the methods, checks and decisions practitioners use every day, illustrated with real cases from the region. Inspection and welding programs aligned with international codes, from technician to lead inspector. 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 Ultrasonic Testing (UT) 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

Inspectors, welding engineers and supervisors, NDT technicians and QA/QC staff. Practitioners with one to five years of experience benefit most.

Key topics

- Codes: ASME, API, AWS
- Welding processes and metallurgy
- NDT methods and acceptance criteria
- Inspection planning
- Defect assessment
- Reports and documentation

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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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 Ultrasonic Testing (UT): principles and standards
- Reports and documentation
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice
- Codes: ASME, API, AWS
- Welding processes and metallurgy

Day 3 Diagnosis and problem solving
- NDT methods and acceptance criteria
- Regional and international case studies

Day 4 Quality, safety and documentation
- Inspection planning
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan
- Defect assessment
- Group discussion and peer review

10-day outline

Day 1 Ultrasonic Testing (UT): principles and standards
- Reports and documentation
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice
- Codes: ASME, API, AWS
- Welding processes and metallurgy

Day 3 Diagnosis and problem solving
- NDT methods and acceptance criteria
- Regional and international case studies

Day 4 Quality, safety and documentation
- Inspection planning
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan
- Defect assessment
- Group discussion and peer review

Day 6 Advanced techniques and specialist practice
- Complex cases in depth
- Measurement and reporting

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
- Hands-on workshop on a workplace challenge

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)
11–22 Jan 2027	10-day classroom	Istanbul	English	8,950
7–11 Feb 2027	5-day classroom	Kuwait City	English	4,750
12–16 Apr 2027	5-day online	Live online	Arabic	2,950
12–16 Jul 2027	5-day classroom	Barcelona	English	4,750
2–13 Jan 2028	10-day classroom	Cairo	Arabic	8,950
5–9 Jun 2028	5-day classroom	Paris	English	4,750
20 Nov – 1 Dec 2028	10-day online	Live online	Arabic	5,450
11–15 Dec 2028	5-day classroom	Dubai	Arabic	4,750
12–23 Mar 2029	10-day classroom	Abu Dhabi	English	8,950
16–20 Sep 2029	5-day classroom	Jeddah	Arabic	4,750

Dates	Format	City	Language	Fee (USD)
1–5 Oct 2029	5-day classroom	Geneva	English	4,750
19–23 Nov 2029	5-day online	Live online	English	2,950
21 Apr – 2 May 2030	10-day classroom	Riyadh	Arabic	8,950
3–7 Jun 2030	5-day classroom	Casablanca	Arabic	4,750
1–12 Jul 2030	10-day online	Live online	English	5,450
5–9 Aug 2030	5-day classroom	London	English	4,750

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