Garnet
Garnet Global Training Center

GGT-WN-121

Inspection, Welding & NDT

Welding Defects & Repair

عيوب اللحام وإصلاحها

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

Overview

Participants in Welding Defects & Repair practise the methods, tools and standards they need to perform reliably and solve problems on the job. Inspection and welding programs aligned with international codes, from technician to lead inspector. 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 Welding Defects & Repair 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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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 Welding Defects & Repair: principles and standards

- Welding processes and metallurgy
- Hands-on workshop on a workplace challenge

Day 2 Methods and tools in practice

- NDT methods and acceptance criteria
- Inspection planning

Day 3 Diagnosis and problem solving

- Defect assessment
- Common mistakes and how to avoid them

Day 4 Quality, safety and documentation

- Reports and documentation
- Regional and international case studies

Day 5 Workshop, assessment and action plan

- Codes: ASME, API, AWS
- Checklists and templates to take away

10-day outline

Day 1 Welding Defects & Repair: principles and standards

- Welding processes and metallurgy
- Hands-on workshop on a workplace challenge

Day 2 Methods and tools in practice

- NDT methods and acceptance criteria
- Inspection planning

Day 3 Diagnosis and problem solving

- Defect assessment
- Common mistakes and how to avoid them

Day 4 Quality, safety and documentation

- Reports and documentation
- Regional and international case studies

Day 5 Workshop, assessment and action plan

- Codes: ASME, API, AWS
- 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)
11–15 Jan 2027	5-day classroom	Abu Dhabi	English	4,750
7–18 Jun 2027	10-day classroom	Casablanca	English	8,950
12–16 Jul 2027	5-day online	Live online	Arabic	2,950
19–23 Dec 2027	5-day classroom	Doha	Arabic	4,750
17–21 Jan 2028	5-day classroom	Istanbul	English	4,750
7–18 Feb 2028	10-day online	Live online	English	5,450
5–9 Mar 2028	5-day classroom	Riyadh	Arabic	4,750
18–29 Sep 2028	10-day classroom	Dubai	Arabic	8,950
14–25 May 2029	10-day classroom	Geneva	English	8,950

Dates	Format	City	Language	Fee (USD)
18–22 Jun 2029	5-day online	Live online	English	2,950
20–24 Aug 2029	5-day classroom	London	English	4,750
14–18 Oct 2029	5-day classroom	Jeddah	Arabic	4,750
18–29 Mar 2030	10-day online	Live online	English	5,450
8–12 Apr 2030	5-day classroom	Amsterdam	English	4,750
12–16 May 2030	5-day classroom	Manama	Arabic	4,750
7–18 Oct 2030	10-day classroom	Dubai	Arabic	8,950

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