Garnet
Garnet Global Training Center

GGT-WN-114

Inspection, Welding & NDT

Eddy Current Testing

الفحص بالتيارات الدوامية

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

Overview

Participants in Eddy Current Testing 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 Eddy Current Testing to real tasks.
- Follow safe, compliant and documented work practices.
- Avoid the mistakes that most often cause rework or failure.
- Share good practice with your team.
- Use the right tools, checks and calculations step by step.

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 Eddy Current Testing: principles and standards
- Reports and documentation
- Hands-on workshop on a workplace challenge

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
- Common mistakes and how to avoid them

Day 4 Quality, safety and documentation
- Inspection planning
- Regional and international case studies

Day 5 Workshop, assessment and action plan
- Defect assessment
- Checklists and templates to take away

10-day outline

Day 1 Eddy Current Testing: principles and standards
- Reports and documentation
- Hands-on workshop on a workplace challenge

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
- Common mistakes and how to avoid them

Day 4 Quality, safety and documentation
- Inspection planning
- Regional and international case studies

Day 5 Workshop, assessment and action plan
- Defect assessment
- 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)
3–7 Jan 2027	5-day classroom	Muscat	Arabic	4,750
10–14 May 2027	5-day online	Live online	Arabic	2,950
4–8 Oct 2027	5-day classroom	Kuala Lumpur	English	4,750
13–24 Dec 2027	10-day classroom	Singapore	English	8,950
7–11 Feb 2028	5-day classroom	Vienna	English	4,750
10–14 Apr 2028	5-day classroom	Dubai	English	4,750
4–15 Sep 2028	10-day online	Live online	Arabic	5,450
16–27 Oct 2028	10-day classroom	Barcelona	English	8,950
19–23 Feb 2029	5-day online	Live online	English	2,950
19–23 Mar 2029	5-day classroom	Paris	English	4,750

Dates	Format	City	Language	Fee (USD)
20–24 May 2029	5-day classroom	Amman	English	4,750
17–28 Sep 2029	10-day classroom	London	English	8,950
18 Feb – 1 Mar 2030	10-day online	Live online	Arabic	5,450
1–5 Apr 2030	5-day classroom	Vienna	English	4,750
20–24 May 2030	5-day classroom	London	English	4,750
7–18 Oct 2030	10-day classroom	Istanbul	English	8,950

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