Garnet
Garnet Global Training Center

GGT-WN-119

Inspection, Welding & NDT

NDT Fundamentals

أساسيات الاختبارات غير الإتلافية

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

Overview

This course builds a solid base in NDT Fundamentals, starting from first principles and moving quickly to the everyday tasks participants meet at work. Inspection and welding programs aligned with international codes, from technician to lead inspector. 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 NDT 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

Inspectors, welding engineers and supervisors, NDT technicians and QA/QC staff. No prior experience is required; it also suits new hires, graduates and staff moving into this field.

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 Introduction to NDT Fundamentals
- Codes: ASME, API, AWS
- Hands-on workshop on a workplace challenge

Day 2 Core concepts and terminology
- Welding processes and metallurgy
- NDT methods and acceptance criteria

Day 3 Basic methods and tools
- Inspection planning
- Common mistakes and how to avoid them

Day 4 Working safely and correctly
- Defect assessment
- Regional and international case studies

Day 5 Practical exercises and review
- Reports and documentation
- Checklists and templates to take away

10-day outline

Day 1 Introduction to NDT Fundamentals
- Codes: ASME, API, AWS
- Hands-on workshop on a workplace challenge

Day 2 Core concepts and terminology
- Welding processes and metallurgy
- NDT methods and acceptance criteria

Day 3 Basic methods and tools
- Inspection planning
- Common mistakes and how to avoid them

Day 4 Working safely and correctly
- Defect assessment
- Regional and international case studies

Day 5 Practical exercises and review
- Reports and documentation
- 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)
15–26 Feb 2027	10-day classroom	London	English	8,950
1–5 Mar 2027	5-day classroom	Paris	English	4,750
5–9 Jul 2027	5-day classroom	Amsterdam	English	4,750
20–24 Sep 2027	5-day online	Live online	Arabic	2,950
20–31 Mar 2028	10-day classroom	Paris	English	8,950
15–19 May 2028	5-day classroom	Abu Dhabi	Arabic	4,750
18–22 Jun 2028	5-day classroom	Kuwait City	Arabic	4,750
13–24 Nov 2028	10-day online	Live online	Arabic	5,450
11–22 Jun 2029	10-day classroom	Amsterdam	English	8,950
13–17 Aug 2029	5-day classroom	Abu Dhabi	Arabic	4,750

Dates	Format	City	Language	Fee (USD)
2–6 Sep 2029	5-day classroom	Kuwait City	Arabic	4,750
12–16 Nov 2029	5-day online	Live online	English	2,950
14–25 Jan 2030	10-day online	Live online	Arabic	5,450
18–22 Feb 2030	5-day classroom	London	English	4,750
21–25 Jul 2030	5-day classroom	Manama	English	4,750
8–19 Dec 2030	10-day classroom	Kuwait City	Arabic	8,950

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