



Welding Defects & Repair: Advanced Level

Welding, NDT & Materials

QGT-WLD-128 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Welding Defects & Repair: Advanced Level is an advanced programme for experienced practitioners in Welding Defects & Repair. It covers the principles, the requirements of AWS D1.1, ASME IX, ISO 9712 and ASNT SNT-TC-1A, and the practical methods used on site, with case studies from operations in the Gulf, Africa and worldwide. Available online, in the classroom in 60 cities, or in-house.

What participants will be able to do

- Explain the principles, terminology and scope of Welding Defects & Repair
- Apply the relevant requirements of AWS D1.1, ASME IX, ISO 9712 and ASNT SNT-TC-1A
- Apply advanced analysis methods to real operating data
- Recognise common problems, risks and root causes and choose the right corrective action
- Prepare an improvement plan for their own site or organisation

Who should attend

Designed for welding engineers, inspectors, NDT technicians and materials specialists with at least three years of experience.

Course outline (5 days)

Day 1: Core principles revisited

Fast review and recent changes in AWS D1.1, ASME IX, ISO 9712 and ASNT SNT-TC-1A

Day 2: Advanced analysis methods

Detailed techniques, data interpretation and calculations

Day 3: Design and performance optimisation

Improving reliability, efficiency and cost

Day 4: Troubleshooting complex cases

Diagnosing multi-cause problems from field data

Day 5: Risk, decisions and integration

Building a risk-based plan and presenting recommendations

What the 10-day edition adds

Day 6: Applied project, part 1 – Apply the week-one methods to a case from your organisation

Day 7: Data and digital tools – Software, spreadsheets and digital tools used in practice

Day 8: Lessons from incidents and audits – What investigations and audit findings teach

Day 9: Applied project, part 2 – Complete, test and refine your solution

Day 10: Presentations and final assessment – Present to the group and complete the final assessment

Fees (USD per participant)

Duration	Live online	Classroom	In-house
5 days	\$3,000	\$5,500	On quote
10 days	\$5,500	\$9,900	On quote

Fees include course material and certificate of completion; classroom fees include refreshments and lunch. In-house training is priced per group.

Dates and cities 2027–2030

Dates	City	Format	Duration	Fee
18–29 Jan 2027	Edinburgh	Classroom	10 days	\$9,900
7–11 Mar 2027	Kuwait City	Classroom	5 days	\$5,500
14–25 Mar 2027	Algiers	Classroom	10 days	\$9,900
27 Jun – 1 Jul 2027	Erbil	Classroom	5 days	\$5,500
6–17 Dec 2027	Online (live)	Online (live)	10 days	\$5,500
6–17 Mar 2028	Brussels	Classroom	10 days	\$9,900
5–9 Jun 2028	Singapore	Classroom	5 days	\$5,500
21 Aug – 1 Sep 2028	Dubai	Classroom	10 days	\$9,900
23–27 Oct 2028	Edinburgh	Classroom	5 days	\$5,500
4–15 Dec 2028	Online (live)	Online (live)	10 days	\$5,500
14–25 May 2029	Amsterdam	Classroom	10 days	\$9,900
28 May – 1 Jun 2029	Sharjah	Classroom	5 days	\$5,500
25 Jun – 6 Jul 2029	Toronto	Classroom	10 days	\$9,900
12–16 Aug 2029	Alexandria	Classroom	5 days	\$5,500
22 Oct – 2 Nov 2029	Online (live)	Online (live)	10 days	\$5,500
14–25 Jan 2030	Lagos	Classroom	10 days	\$9,900
25 Feb – 1 Mar 2030	Houston	Classroom	5 days	\$5,500
24 Jun – 5 Jul 2030	Amsterdam	Classroom	10 days	\$9,900
11–15 Aug 2030	Alexandria	Classroom	5 days	\$5,500
26 Aug – 6 Sep 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/welding-defects-and-repair-advanced-level/>

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