



Failure Analysis & Fractography Masterclass

Welding, NDT & Materials

QGT-WLD-189 | Masterclass | 5 or 10 days | Online, classroom, in-house

Course overview

Failure Analysis & Fractography Masterclass is a senior-level masterclass on strategy and performance in Failure Analysis & Fractography. 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 Failure Analysis & Fractography
- Apply the relevant requirements of AWS D1.1, ASME IX, ISO 9712 and ASNT SNT-TC-1A
- Use practical tools, checklists and calculations with confidence
- Recognise common problems, risks and root causes and choose the right corrective action
- Build a business case and roadmap their leadership team can act on

Who should attend

Designed for welding engineers, inspectors, NDT technicians and materials specialists in senior and leadership roles.

Course outline (5 days)

Day 1: Strategic view of Failure Analysis & Fractography

Trends, regulation and what leading companies do differently

Day 2: Benchmarking and performance

KPIs, maturity models and gap analysis

Day 3: Lessons from major incidents and projects

Decision points that changed outcomes

Day 4: Leading the change

Building the business case, budget and team capability

Day 5: Masterclass forum

Expert panel, peer exchange and personal roadmap

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
11–15 Jan 2027	Munich	Classroom	5 days	\$5,500
15–26 Mar 2027	Prague	Classroom	10 days	\$9,900
13–17 Jun 2027	Al Khobar	Classroom	5 days	\$5,500
4–15 Jul 2027	Kuwait City	Classroom	10 days	\$9,900
15–19 Nov 2027	Online (live)	Online (live)	5 days	\$3,000
14–18 Feb 2028	Budapest	Classroom	5 days	\$5,500
13–24 Mar 2028	Rome	Classroom	10 days	\$9,900
2–6 Apr 2028	Manama	Classroom	5 days	\$5,500
10–21 Apr 2028	Berlin	Classroom	10 days	\$9,900
23–27 Oct 2028	Online (live)	Online (live)	5 days	\$3,000
25–29 Mar 2029	Cairo	Classroom	5 days	\$5,500
21 May – 1 Jun 2029	Vienna	Classroom	10 days	\$9,900
8–12 Jul 2029	Dammam	Classroom	5 days	\$5,500
1–12 Oct 2029	Toronto	Classroom	10 days	\$9,900
26–30 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
3–7 Jun 2030	Milan	Classroom	5 days	\$5,500
22 Jul – 2 Aug 2030	Istanbul	Classroom	10 days	\$9,900
11–15 Aug 2030	Dammam	Classroom	5 days	\$5,500
23 Sep – 4 Oct 2030	Tunis	Classroom	10 days	\$9,900
2–6 Dec 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/failure-analysis-and-fractography-masterclass/>

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