



Power Quality & Harmonics: Advanced Level

Electrical Engineering

QGT-ELE-132 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Power Quality & Harmonics: Advanced Level is an advanced programme for experienced practitioners in Power Quality & Harmonics. It covers the principles, the requirements of IEC, IEEE and NFPA 70/70E, 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 Power Quality & Harmonics
- Apply the relevant requirements of IEC, IEEE and NFPA 70/70E
- 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 electrical engineers, technicians, supervisors and authorised persons with at least three years of experience.

Course outline (5 days)

Day 1: Core principles revisited

Fast review and recent changes in IEC, IEEE and NFPA 70/70E

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
17–28 Jan 2027	Manama	Classroom	10 days	\$9,900
8–12 Feb 2027	Frankfurt	Classroom	5 days	\$5,500
14–25 Mar 2027	Jeddah	Classroom	10 days	\$9,900
12–16 Apr 2027	Manchester	Classroom	5 days	\$5,500
28 Jun – 9 Jul 2027	Online (live)	Online (live)	10 days	\$5,500
21 Feb – 3 Mar 2028	Kuala Lumpur	Classroom	10 days	\$9,900
24–28 Apr 2028	Abu Dhabi	Classroom	5 days	\$5,500
3–14 Jul 2028	Edinburgh	Classroom	10 days	\$9,900
24–28 Jul 2028	Kigali	Classroom	5 days	\$5,500
28 Aug – 8 Sep 2028	Online (live)	Online (live)	10 days	\$5,500
19 Feb – 2 Mar 2029	Milan	Classroom	10 days	\$9,900
14–18 May 2029	Barcelona	Classroom	5 days	\$5,500
11–22 Jun 2029	Tbilisi	Classroom	10 days	\$9,900
20–24 Aug 2029	Abu Dhabi	Classroom	5 days	\$5,500
27 Aug – 7 Sep 2029	Online (live)	Online (live)	10 days	\$5,500
4–15 Mar 2030	Marrakech	Classroom	10 days	\$9,900
29 Apr – 3 May 2030	Houston	Classroom	5 days	\$5,500
15–26 Jul 2030	Stockholm	Classroom	10 days	\$9,900
22–26 Jul 2030	Edinburgh	Classroom	5 days	\$5,500
19–30 Aug 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/power-quality-and-harmonics-advanced-level/>

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