



LABORATORY EXCELLENCE, SAFETY AND ACCREDITATION

Corrosion Monitoring in Production and Process Operations

5 day course

Classroom, online or in-house

Course overview

Corrosion is managed on the evidence of monitoring, and monitoring badly placed or badly interpreted produces confidence without protection. This course covers doing it well. Delegates work through the corrosion mechanisms that occur in production and process service, then through the monitoring techniques available: weight loss coupons, electrical resistance and linear polarisation probes, ultrasonic thickness measurement, hydrogen flux and chemical analysis of process fluids. Location selection is treated as the decisive variable, since a probe in the wrong place measures nothing useful. The course covers inhibitor programmes and their verification, and closes on turning monitoring data into an inspection and integrity decision.

What you will learn

- Identify the corrosion mechanisms present in production and process service
- Select monitoring techniques appropriate to the mechanism
- Place coupons and probes where they will measure something useful
- Interpret weight loss, resistance and polarisation data
- Use fluid analysis and hydrogen flux as corrosion indicators
- Verify that an inhibitor programme is actually working
- Convert monitoring data into an inspection and integrity decision

Who should attend

- Corrosion and integrity engineers
- Production and process engineers
- Laboratory staff analysing process fluids
- Inspection and maintenance personnel
- Chemical treatment and inhibitor specialists

Course outline

- 01 Corrosion mechanisms in production service
- 02 Weight loss coupons
- 03 Electrical resistance and linear polarisation probes
- 04 Ultrasonic thickness measurement
- 05 Hydrogen flux and process fluid analysis
- 06 Location selection as the decisive variable
- 07 Inhibitor programmes and verifying them
- 08 From monitoring data to an integrity decision

Upcoming dates

Dates	Venue	Format	Fee per delegate
28 September to 2 October 2026	Gaborone, Botswana	Classroom	R19,950
5 to 9 October 2026	Maputo, Mozambique	Classroom	USD 1,325
16 to 20 November 2026	Port Louis, Mauritius	Classroom	USD 1,325
1 to 5 February 2027	Dar es Salaam, Tanzania	Classroom	USD 1,325



Fees and how to register

This 5 day course is **R8,500** per delegate online, **R19,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 1,325** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afiscience.co.za, or WhatsApp us on **+27 63 479 1136**.

AfriScience Group | +27 61 536 6531 | info@afiscience.co.za | Pretoria, Gauteng, South Africa