

Basic Principles of Metrology

Course Objectives

To obtain background in metrology required for individuals in the industry who are in:

- the process of setting up a calibration laboratory
- Inspection or verification facility, or
- Quality control

Course Date

29 – 30 July 2024

Duration

2 days

Cost

R4 250

Course Content

The course consists of modules, covering:

- The SI base units and derived units
- The international organizations responsible and role in the Quality infrastructure
- The principles to consider in performing measurements
- Terminology
- The basics of good laboratory practice, calibration intervals, and root cause analyses
- Decision rule for proving conformance to specification taking uncertainties into consideration
- Reading and understanding calibration and measurement certificates

Course Information

NMISA's courses are developed and narrated by experts in the field.

Who should attend?

The course is aimed at metrologists and inspectors to develop their basic understanding of the principles of metrology and measurements and what to take into consideration when entering the field of metrology.



nmisa
training centre