

RF & Microwave Metrology Fundamentals

Course Objectives

This course is aimed at teaching theoretical and practical principles of measurements and calibrations in RF and Microwave Metrology. Overviews of various instrumentation used for the measurements and calibrations will also be discussed.

Course Content

The course will include the following topics:

- RF and Microwave Metrology Basics (e.g., Traceability, measurement standards, transmission media, units of measure, scattering parameters, coaxial connectors and connector care, etc.)
- Impedance measurements, instrumentation, uncertainties
- Attenuation measurements, instrumentation, uncertainties
- Power measurements, instrumentation, uncertainties

Course Date

02-06 September 2024

Duration

5 days

Cost

R10 500

Who should attend?

The course is targeted at technical professionals who want to develop or polish their metrology skills and understanding for RF & Microwave measurements and calibrations.

Course Information

NMISA's courses are developed and presented by experts in the field. They are divided into modules. Once the student is comfortable with course content, he/she can write an online examination designed to test knowledge and understanding. On successful completion of the examination, a certificate of achievement is issued.



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