

# MECHANICAL COURSES

## MEASURING TOOLS (M19A)

**OBJECTIVE:**

This seminar is designed to provide the trainee (machinist) with knowledge on how to measure with precision.

**WHO SHOULD ATTEND?**

The course is suggested for technicians and supervisors working with workshop processes.

**COURSE CONTENT:**

- Linear Measurements
- Measuring within Tolerance
- Micrometer Measurement
- Vernier Measurement
- The Dial Indicators

**PRACTICAL TASKS:**

- Machinist’s rule
- Outside and inside calipers
- Outside and inside Micrometer
- Vernier Caliper
- Dial Indicator

**Duration: 5 Days**

Date:	Venue:	Cost:
Mar 28-Apr 1	Dammam	SR7,000
Aug 8-12	Jubail	SR 8,000
Dec 12-16	Dammam	SR7,000

## NON DESTRUCTIVE TESTS ON WELDS (M44A)

**OBJECTIVE:**

This course will enhance the knowledge and experience of participants on how to test welding faults by penetrant, physical, radiographic, and ultrasonic methods.

**WHO SHOULD ATTEND?**

The course is suggested for welders, fabricators, and fitters who are working on the non destructive testing of welds in the field.

**COURSE CONTENT:**

- Fault in Fusion Welds, Causes, Detection, and Correction
- Liquid Penetrant Inspection
- Magnetic Particle Inspection
- Radiographic Inspection
- Ultrasonic Inspection

**Duration: 5 Days**

Date:	Venue:	Cost:
Mar 14 – 18	Dammam	SR7,000
Jul 18 – 22	Abha	SR 8,000
Dec 26 – 30	Dammam	SR7,000