

MECHANICAL COURSES

WELDING INSPECTION TECHNOLOGY (M81A)

OBJECTIVE:

This course provides the participants with welding inspections technology knowledge including weld discontinuities, non destructive test, destructive test, and properties, and acceptance/rejection criteria with practical hands-on.

WHO SHOULD ATTEND?

This course is recommended for welding technicians, quality control officers or engineers requiring knowledge about welding inspection technology.

COURSE CONTENT:

- Weld and Base Metal Discontinuities
- Welding Inspection
- Metric Practice for Welding Inspection
- Metal Properties and Destructive Testing
- Visual Inspection and Other NDT Methods
- Use of Measuring Hands-on Tool Kit
- Acceptance Criteria in Welding
- Welding Codes, Standards and Specifications
- Welding Procedure Specifications (WPS)
- Procedure Qualification Record (PQR)

PRACTICAL TASK:

- Visual Welding Inspection and Measuring Welding Surface Defects using Welding Tools and Gauges Measurement.

Duration: 5 Days

Date:	Venue:	Cost:
Jan 12 – 16	Dammam	SR6,000
Jun 28 – Jul 2	Dammam	SR6,000

WELDING PRACTICES, GAS and ARC (M3B)

OBJECTIVE:

This course provides the participant with practical hands-on experience in the gas and arc welding processes.

WHO SHOULD ATTEND?

This course is recommended for technicians working in maintenance or engineers requiring knowledge in gas and arc welding processes.

COURSE CONTENT:

Gas Welding:

- Welding Ferrous Metals
- Welding Non-Ferrous Metals
- Oxygen Cutting
- Brazing and Soldering
- Surfacing Techniques

PRACTICAL TASKS:

- Oxyacetylene welding of plates - mild steel, aluminum, copper and braze welding
- Oxy acetylene cutting

Arc Welding:

- Preheating and post heating
- Welding ferrous metals
- Welding non-ferrous metals
- Pipe welding
- Hard facing and rebuilding
- Tungsten welding techniques

PRACTICAL TASKS:

- Manual arc welding of plates
- Argon arc welding of plates and pipes
- Tungsten arc welding

Duration: 10 Days

Date:	Venue:	Cost:
Jan 19 – 30	Dammam	SR11,000
Jun 21 – Jul 2	Dammam	SR11,000