

Duration: 5 Days

Training Sessions: 19 – 24 November 2018 (Bangkok)

Fees: 39,000 Baht/ Person\*

**Suitable for:**

Inspectors, QA/QC Engineers and Technicians from maintenance department.

**Objectives:**

**At the end of the training course, you will be able:**

- To identify the welding imperfection from various processes
- To detect the in-service discontinuities
- To predict material behaviours during welding and service conditions
- To select the welding techniques and fabrication
- To evaluate the process equipment using non-destructive testing

**Content:**

**GENERAL KNOWLEDGE IN PROCESS EQUIPMENT**

- Fixed equipment of refining industry
- Destructive testing on welded joints
- Strain hardening and temperature dependent of metal
- Wear and corrosion of process equipment

**WELDING PROCESS AND EQUIPMENT**

- Conventional welding processes
- Soldering and brazing
- Joining processes for plastic and composite materials

**WELDING JOINTS, SYMBOLS AND IMPERFECTION**

- Types of joints and symbols
- Welding imperfection
- WPS, PQR and WPQ

**FABRICATION AND ENGINEERING APPLICATION**

- Cutting and other edge preparation processes
- Fabrication
- Welding techniques
- Post weld heat treatment
- Quality control and assurance

**MATERIALS AND THEIR BEHAVIOUR DURING IN-SERVICE CONDITIONS**

- Materials in elevated temperature
- Damage mechanism of wear and corrosion
- Hydrogen damage and embrittlement

**NONDESTRUCTIVE TESTING FOR VARIOUS PROCESS EQUIPMENT**

- Boiler / pressure vessel / heat exchanger
- Process and power piping
- Structural steel

\* Excluding VAT - Published prices and schedules are subject to change without advance notification

\* Registration fees are inclusive of lunch and coffee breaks