

## Radiographic Testing Level-II According to ASNT

### Course general description:

Radiographic inspection of welding joints is an essential technique in different industrial applications such as petrochemicals, oilfields, gas fields, power plants, transportation pipelines....etc. This course is one of the American society of nondestructive testing (ASNT).

### Audience:

This course is designed for:

1. Mechanical engineers
2. Inspection engineers
3. Maintenance Engineers
4. Ships & marine spreads surveyors and inspectors

### Course objectives:

By end of the course participants will gain:

1. Necessary qualification for radiographic inspection level-i according to ASNT.
2. Knowledge and skills and qualify of participants in the following topics According to ASNT requirement: SNT-TC-1A.

### Course duration:

5 days

### Course location:

Cairo-Dubai-Istanbul

### Course contents:

#### **Day-1**

- Introduction to NDT
- VT, UT, PT, MT & RT techniques
- Videos
- Q&A

#### **Day-2**

- Introduction
- Physics of radiography
- Videos
- Q&A

#### **Day-3**

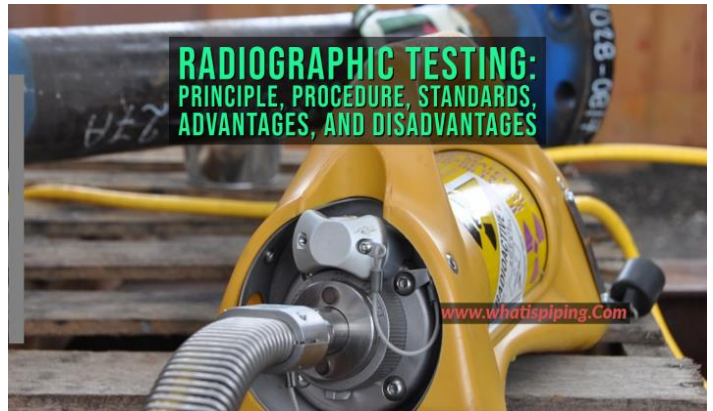
- Equipment & tools
- Videos
- Q&A

#### **Day-4**

- IQI
- Videos
- Q&A

#### **Day-5**

- Equipment certificates
- Q&A



## Day-5

- Selected Applications
- Videos

- Cases
- Q&A

## Day-6

- Supporting tools & usage
- Q & A

## Day-7

- Materials & welding defects
- Codes
- Q&A

## Day-8

- Codes (continued)
- Specifications
- Q&A

## Day-9

- Specifications (continued)
- Reading & interpretation of films
- Report preparation
- Q&A

## Day-10

- Open discussion before test
- Posttest according to ASNT

### **Methodology:**

- 60% lectures & concepts
- 10% Videos
- 10% Case studies
- 10% Exercises
- 10% Discussions
- Practical use of sample of ultrasonic devices & tools

**Course code: (TNDT005)**

