



Course Outcome Summary

Standard Course

WELD-134 Radiography-Level II

Course Information

Division	ASET
Contact Hours	45
Theory	15
Lab Hours	30
Total Credits	2

Prerequisites **WELD-133, Radiography-Level I**

Course Description

This is the continuation of the Level I course. However, the same aspects are studied at higher level of difficulty and responsibility. Students will study volumetric discontinuities using radiographic tests; understand penetrating radiation, its properties and limitations; and safety precautions. Additional focus will be on the how and why of defect formation. The principle of image formation, sensitivity and quality of radiographic process, codes and standards will be studied. Development of film, reading the films for discontinuities, film interpretations, procedures and codes for acceptance and rejection criteria for flaws will be learned in practical sessions. The emphasis of this course will be on the interpretation and analysis of defects.

Course Outcomes

In order to evidence success in this course, students will be able to:

1. Describe Radiographic Testing (RT) methods
2. Identify radiographic inspection technique and process variables
3. Perform applications of the RT method
4. Demonstrate safety practices in the lab
5. Prepare reports describing test results
6. Prepare for RT Level II test battery