



MONROE COUNTY  
COMMUNITY COLLEGE

# Course Outcome Summary

**Standard Course**

## **WELD-133 Radiography-Level I**

### **Course Information**

<b>Division</b>	<b>ASET</b>
<b>Contact Hours</b>	<b>45</b>
<b>Theory</b>	<b>30</b>
<b>Lab Hours</b>	<b>15</b>
<b>Total Credits</b>	<b>2</b>

**Prerequisites**      **RDG 090 and ENG 090 or qualifying score on accepted placement tests and WELD 130 Introduction to Non-Destructive Testing**

### **Course Description**

This is a first level course in Radiographic Testing. The students will study volumetric discontinuities using radiographic tests; understand penetrating radiation, its properties and limitations; and safety precautions. 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.

### **Course Outcomes**

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

1. Identify and select radiographic testing technique and process variables
2. Perform applications of the RT method
3. Describe the scope and limitations of the RT method
4. Demonstrate safety practices in RT
5. Prepare reports describing test results
6. Prepare for ANST Level I test battery

Date Updated: March 3, 2022  
By: Mark A. Jager.