



MONROE COUNTY  
COMMUNITY COLLEGE

# Course Outcome Summary

**Standard Course**

**WELD-132 Visual Testing**

## Course Information

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

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

## Course Description

The course will train students on how to detect visible surface discontinuities, especially those found in welded joints. The fundamentals of light and vision, visual perception and different types of equipment used to detect discontinuities on the surface will be covered. More emphasis on practical welding as well as inspection of weld joints using a variety of weld gauges will be done during the practical sessions. Material attributes and physiological factors affecting the performance and judgment of the inspector will be studied along with the procedure and applicable codes for acceptance and rejection of discontinuities. Students will perform a complete series of laboratory exercises to provide hands-on training in the practice of each test procedure.

## Course Outcomes

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

1. Describe various Visual Testing methods
2. Identify the difference between direct and indirect methods of inspection
3. Select the proper inspection technique for a given task
4. Communicate terminology associated with VT method
5. Apply Weber's Law as it relates to VT
6. Prepare reports describing test results
7. Prepare for ANST VT Level I & II test battery examination

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By: Mark A. Jager, pc 3/10/22