



## Weld Visual Inspection \*

### Course Information

Instructor	Jeremy Williams
Phone	w:(406)496-3755 or c:(406)690-0225
Email	JWilliams@mtech.edu
Credits	1
Campus	Highlands College

### Description

In this course students will learn what a conforming weld looks like and how to inspect parts to ensure the welds are conforming. Students will learn the importance of high quality welds and how thorough visual inspection can save hours of rework time.

### Textbooks

Hobart Institute of Welding GTAW of Stainless Steel and Titanium

### Attendance

Attendance is required and will make up 50% of the grade for the semester. Roll will be taken immediately at the start of class. 100 points will be given per day for attendance for students that show up on time. If a student will be late for class and they notify the instructor before the start of class they will receive 75 points for attendance for the day. Students that show up late and don't call in or call in after the start of class will receive 50 points for the day. A student that misses class completely or shows up later than half way through the class period with or without prior approval will receive 0 points for the day. **Remember: Half of your grade is based on attendance! If you don't show up you will not pass!**

### Exams and Assignments

Midterm Exam  
Class Participation  
Final Exam  
Attendance  
Traveler Accuracy  
Weekly Time Cards



*This workforce solution was funded by a grant awarded by the U.S. Department of Labor's Employment and Training Administration. The solution was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership.*



## Grade Breakdown

Class Assignments/Quizzes	25%
Attendance	50%
Final Exam	25%

## Co-requisites

Shop Safety  
Technical Math  
Developmental Writing  
Quality Control, Blueprint Reading, and Precision Measurement  
Weld visual Inspection

## Safety

Students will be required to abide by all shop safety rules. Any student failing to follow safety guidelines may be given a failed grade and will be removed from the program. Students will be responsible to provide their own safety equipment including:

- Safety glasses rated ANSI Z87+
- Sturdy shoes or boots. Safety toe shoes recommended (required for employment at MPP).

## Course Outline

### 1) Inspection Methods

- a) Surface inspections
- b) Subsurface inspections
- c) Direct visual inspections
- d) Borescopes and fiberscopes

**Note: Safety glasses are REQUIRED in the shop at ALL times.**

\*This program has propriety information owned by Montana Precision Products and cannot be used, reproduced, or disclosed to any other parties for any other purpose without the expressed written permission from Montana Precision Products.



*This workforce solution was funded by a grant awarded by the U.S. Department of Labor's Employment and Training Administration. The solution was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership.*