WLD 250 Welding Inspection/Codes

Course Description: A course on welding techniques as applied to the American Welding Society Structural Steel Code D1.1 Topics include weld discontinuities, visual examination, intermediate layers, completed welds, and required documentation. Students perform welder qualification tests and practice inspecting weld defects.

Prerequisites(s): WLD 111   **Corequisite(s):** No corequisite

Lecture Hours: 2	Lab Hours: 3	Credit Hours: 3
Lab Fee: $150	Supplemental Fee: 0	Purpose:
☐ Transfer Assurance Guide Course (TAG)	☐ Transfer Module Course (TM)	
Course Format: Lec/Lab	Grading: A/B/C/D/F/I	
Delivery Method: ☐ Web ☐ Hybrid x Classroom		
Semesters Offered: x Fall x Spring x Summer		

Course Primary Text:

Title: Welding Principles and Applications	Edition: 9th
Author(s): Jeffus	
Publisher: Delmar	

Supplemental Materials:

Instructor supplied

Course Outcomes:

1	Students will have understand and use safety practices in all welding techniques
2	Students will receive industry welding certification

Course Topics:

Week	Chapter	Topic	Lab/Project
1	24	Welding Codes and Standards	
2	24	Welding Codes and Standards	
3	24	Welding Codes and Standards	*Lab #1*
4	25	Testing and Inspection	*Lab #2*
5	25	Testing and Inspection	*Lab #3*

6	25	Testing and Inspection	*Lab #4*
7	25	Testing and Inspection	*Lab #5*
8	25	Testing and Inspection	*Lab #6*
9	25	Testing and Inspection	*Lab #7*
10	25	Testing and Inspection	*Lab #8*
11	AWS	Part B Book Specifications	*Lab #9*
12	AWS	Part B Book Specifications	*Lab #10*
13	AWS	Part B Book Specifications	*Lab #11*
14	AWS	Part B Book Specifications	*Lab #12*
15	AWS	Part B Book Specifications	*Lab #13*

Methods of Evaluation/Assessment

Grading:

Labs Assignments – 70%

Chapter Written Exams – 20%

Attendance & Housekeeping – 10%

Course Keeper: Mark Willis   Date Completed: 12/15/18