



## MASTER COURSE OUTLINE

Prepared By: Shawn McDaniel

Date: August 2013

## COURSE TITLE

Welding Codes and Standards

## GENERAL COURSE INFORMATION

Dept.: WLD

Course Num: 206

(Formerly:)

CIP Code: 48.0508

Intent Code: 21

Program Code: 814

Credits: 4

Total Contact Hrs Per Qtr.: 55

Lecture Hrs:22

Lab Hrs:22

Other Hrs:

Distribution Designation:

## COURSE DESCRIPTION (as it will appear in the catalog)

Upon successful completion of the course the student will be able to follow codes to interpret their workmanship. Use procedure qualifications and performance qualifications. Use DT and NDT methods to inspect the students own weldments. Use visual inspection of welded structures.

## PREREQUISITES

WLD 205 or Instructor Permission

## TEXTBOOK GUIDELINES

Text and materials as decided by welding faculty. (Example: Modern Welding Technology 6<sup>th</sup> Ed., By Howard Cary)

## COURSE LEARNING OUTCOMES

*Upon successful completion of the course, students should be able to demonstrate the following knowledge or skills.*

1. ASME code
  - A. Workmanship
  - B. Performance qualifications
2. AWS code
  - A. Workmanship
  - B. Techniques
3. WABO code
4. API code
5. Visual inspection

## INSTITUTIONAL OUTCOMES

## COURSE CONTENT OUTLINE

### DEPARTMENTAL GUIDELINES (optional)

There will be four major tests during the quarter. These tests will be 2/3 of your total grade for the class.

Projects, assignments, and review questions will make up the final 1/3 of your grade.

Tests, projects, assignments, and review questions will be scored on a point basis with a percentage of points for your final grade.

The grade awarded for the class is as follows:

95-100	4.0	86	3.1	77	2.2	68	1.3
94	3.9	85	3.0	76	2.1	67	1.2
93	3.8	84	2.9	75	2.0	66	1.1
92	3.7	83	2.8	74	1.9	65	1.0
91	3.6	82	2.7	73	1.8	60-64	0.7
90	3.5	81	2.6	72	1.7	0-59	0
89	3.4	80	2.5	71	1.6		
88	3.3	79	2.4	70	1.5		
87	3.2	78	2.3	69	1.4		

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**DIVISION CHAIR APPROVAL**

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**DATE**