



MASTER COURSE OUTLINE

Prepared By: Shawn McDaniel

Date: November 2005

COURSE TITLE

Production Weld Process III

GENERAL COURSE INFORMATION

Dept.: WLD

Course Num: 265

(Formerly:)

CIP Code: 48.0508

Intent Code: 21

Program Code: 814

Credits: 3

Total Contact Hrs Per Qtr.: 66

Lecture Hrs:

Lab Hrs:66

Other Hrs:

Distribution Designation:

COURSE DESCRIPTION (as it will appear in the catalog)

An advanced production welding course focusing on application of Gas Metal Arc, Flux Cored Arc, and Gas Tungsten Arc Welding processes on small parts in accordance with drawings. Parts will be welded in student manufactured fixtures.

PREREQUISITES

WLD 263 or Instructor Permission

TEXTBOOK GUIDELINES

Text and materials as decided by welding faculty. (Example: *Modern Welding Technology* by Howard Cary)

COURSE LEARNING OUTCOMES

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

1. Students will become familiar with techniques used in the welding and fabrication of production parts using fixtures and jigs to produce parts that conform to AWS standards
 - a. Manufacture simple welding fixtures
 - b. Generate sub-components for weldments
 - c. Produce acceptable weldments in fixtures
 - d. Weld according to drawings
 - e. Assess acceptability of parts produced

INSTITUTIONAL OUTCOMES

COURSE CONTENT OUTLINE

Using weld process called out in the drawings:

- a. Develop fixturing strategies to manufacture production weldments
- b. Prepare components as directed in work instructions
- c. Apply correct tack welding practices
- d. Weld assemblies in accordance designated standards
- e. Inspect for acceptability

DEPARTMENTAL GUIDELINES *(optional)*

Grades will be calculated as follows:

50% Based on completing all course competencies.

50% Based on Lab Participation, Cleanup on a daily basis, and following ALL Safety rules.

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		

DIVISION CHAIR APPROVAL

DATE