



MASTER COURSE OUTLINE

Prepared By: Shawn McDaniel

Date: November 2005

COURSE TITLE

Production Weld Process II

GENERAL COURSE INFORMATION

Dept.: WLD

Course Num: 263

(Formerly:)

CIP Code: 48.0508

Intent Code: 21

Program Code: 814

Credits: 6

Total Contact Hrs Per Qtr.: 132

Lecture Hrs:

Lab Hrs:132

Other Hrs:

Distribution Designation:

COURSE DESCRIPTION (as it will appear in the catalog)

An intermediate course that focuses on student learning of production welding techniques by applying the Gas Metal Arc, Flux Cored Arc, and Gas Tungsten Arc Welding processes on large parts in accordance with drawings.

PREREQUISITES

WLD 261 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 large parts directly from shop drawings.
 - a. Produce weldments from shop drawings
 - b. Prepare materials needed to complete competencies
 - c. Assemble safe work platforms
 - d. Weld according to drawings
 - e. Assess acceptability of parts produced to industry codes

INSTITUTIONAL OUTCOMES

COURSE CONTENT OUTLINE

Using weld process called out in the drawings:

- Prepare components as directed in work instructions
- Fit and weld components from elevated work platforms
- Apply correct tack welding practices
- Weld assemblies in accordance with designated standards
- Develop methods for restricted access welding locations
- 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