



MASTER COURSE OUTLINE

Prepared By: Shawn McDaniel

Date: August 2013

COURSE TITLE

Welding Process II

GENERAL COURSE INFORMATION

Dept.: WLD

Course Num: 121

(Formerly:)

CIP Code: 48.0508

Intent Code: 21

Program Code: 814

Credits: 3/6

Total Contact Hrs Per Qtr.: 66/132

Lecture Hrs:

Lab Hrs:66/132

Other Hrs:

Distribution Designation:

COURSE DESCRIPTION (as it will appear in the catalog)

An introduction to welding open root joints. Students use E6010 to complete open root corner joints out of position and open root plate tests out of position. Students must complete all 6 credits of WLD 121 prior to enrolling in WLD 131.

PREREQUISITES

6 credits WLD 111

TEXTBOOK GUIDELINES

Text and materials as decided by welding faculty. (Example Modern Welding Technology, Sixth Edition, Howard Cary)

COURSE LEARNING OUTCOMES

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

1. Weld open root joints using the SMAW process in all positions.

INSTITUTIONAL OUTCOMES

COURSE CONTENT OUTLINE

At the completion of the course, the student will display the skills to perform the following:

1. Open root corner joints in the horizontal, vertical, and overhead positions.
2. Open root groove joints in the horizontal, vertical, and overhead positions.
3. ASME qualification tests

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

94 3.9

93 3.8

92 3.7

91	3.6	83	2.8	75	2.0	67	1.2
90	3.5	82	2.7	74	1.9	66	1.1
89	3.4	81	5.6	73	1.8	65	1.0
88	3.3	80	2.5	72	1.7	60-64	0.7
87	3.2	79	2.4	71	1.6	0-59	0
86	3.1	78	2.3	70	1.5		
85	3.0	77	2.2	69	1.4		
84	2.9	76	2.1	68	1.3		

DIVISION CHAIR APPROVAL

DATE