



MASTER COURSE OUTLINE

Prepared By: Shawn McDaniel

Date: August 2013

COURSE TITLE

Welding Process

GENERAL COURSE INFORMATION

Dept.: WLD

Course Num: 111

(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 the Shielded Metal Arc Welding process. Students will perform beads, fillets and Plate tests in all position with E6010 and E7018 Electrodes. Students must complete all 6 credits of WLD 111 prior to enrolling in WLD 121.

PREREQUISITES

None

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, using the SMAW process with a variety of electrodes in all positions. Students will prepare to take the WABO certification test.

INSTITUTIONAL OUTCOMES

COURSE CONTENT OUTLINE

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

Beads and pad of beads with E6010 and E7018, in all positions.

Fillet welds of various sizes in all positions.

Plate tests in all positions

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	5.6	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