



MASTER COURSE OUTLINE

Prepared By: Shawn McDaniel

Date: January 2014

COURSE TITLE

Welding Theory I

GENERAL COURSE INFORMATION

Dept.: WLD

Course Num: 110

(Formerly:)

CIP Code: 48.0508

Intent Code: 21

Program Code: 814

Credits: 5

Total Contact Hrs Per Qtr.: 55

Lecture Hrs: 55

Lab Hrs:

Other Hrs:

Distribution Designation:

COURSE DESCRIPTION (as it will appear in the catalog)

General introduction to industrial welding and cutting. Safety rules of oxy-fuel, electric welding processes, principles, and electrodes.

PREREQUISITES

None

TEXTBOOK GUIDELINES

Text and materials as decided by welding faculty. (Example: Modern Welding Technology, Sixth Edition, Howard Cary; Welding, Cutting, and Heating Guide, Victor Equipment Company)

COURSE LEARNING OUTCOMES

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

1. The student will gain a basic and broad area of knowledge in the welding industry.
2. The student will understand safety and use of welding and cutting, equipment, and tools.
3. The student will understand the principles of a variety of arc welding processes and electrodes.

INSTITUTIONAL OUTCOMES

COURSE CONTENT OUTLINE

1. See Above

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	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