MASTER COURSE OUTLINE
Prepared By: Shawn McDaniel Date: August 2013

COURSE TITLE
Welding Layout II

GENERAL COURSE INFORMATION

Dept.: WLD	Course Num: 153	(Formerly:)
CIP Code: 48.0101	Intent Code: 21	Program Code: 814
Credits: 3		
Total Contact Hrs Per Qtr.: 44		
Lecture Hrs:22	Lab Hrs:22	Other Hrs:
Distribution Designation:		

COURSE DESCRIPTION (as it will appear in the catalog)
Basic technical pipe drawing interpretations and developments. Patterns for geometric shape used in pipe component fabrication and model construction.

PREREQUISITES
WLD 152 or Instructor Permission

TEXTBOOK GUIDELINES
Text and materials as decided by welding faculty.

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

1. Develop patterns and scale drawings of angled turns, branch, headers, lateral connections, and Y. Students will also show the ability to render, then fabricate pipe terminations

INSTITUTIONAL OUTCOMES

COURSE CONTENT OUTLINE

Project 1	Introduction to course. Pipe schedule, formula fittings.90 degree 2 piece turn
Project 2	90 degree 3 piece turn
Project 3	Branch and Header
Project 4	Lateral Connection
Project 5	60 degree true Y
Project 6	Blunt head
Project 7	Orange peel head
Project 8	Group project

DEPARTMENTAL GUIDELINES *(optional)*

There are 12 individual projects and 1 group project. All assignments are graded for construction neatness, preciseness, and completion. Individual assignments are due at the end of the scheduled week. make up and late work are not counted towards your grade.

Group assignments are divided into 2 or 3 groups and the one student leads the group to complete the project. Each group keeps construction records, man hours, bill of materials, blue prints, and cost of materials. These records must be turned in with the completion of the projects.

Grades will be based on the number of accumulated points earned on tests, quizzes, and homework.
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		

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DIVISION CHAIR APPROVAL **DATE**