



MASTER COURSE OUTLINE

Prepared By: Shawn McDaniel

Date: August 2013

COURSE TITLE

Technical Drawings Interpretation

GENERAL COURSE INFORMATION

Dept.: WLD

Course Num: 151

(Formerly:)

CIP Code: 48.00197

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 drawings interpretation skills for welding engineering to develop abilities in reading and understanding technical drawings; emphasis on visualization and sketching of multi-view, isometric, schematic and pictorial drawings.

Tech Prep credit available

PREREQUISITES

MAP 101/117 or Instructor Permission

TEXTBOOK GUIDELINES

Text and materials as decided by welding faculty. (Example: *Basic Blue Print Reading & Sketching, Ninth Edition* by Olivio, Payne, Olivio)

COURSE LEARNING OUTCOMES

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

1. Visualize multi-view drawings from various industrial disciplines.
2. Sketch simple multi-view and pictorial drawings.
3. Demonstrate an understanding of drawing nomenclature, symbols, notes and abbreviations.
4. Read and describe drawing data pertaining to dimensioning, tolerance and surface finish techniques as used on: mechanical, architectural, manufacturing, electrical, piping, welding and installation drawings

INSTITUTIONAL OUTCOMES

COURSE CONTENT OUTLINE

1. See Above

DEPARTMENTAL GUIDELINES (optional)

This course will be taught through lecture and demonstration. Drawing lab time and individual help will be available.

Attendance will not be taken, but you are responsible for all assignments, and information given in class. Quizzes will be unscheduled.

Grading. Grading for WLD 151 is based on a percentage of points scored for the quarter based on the following:

Tests - 100 points

Quizzes - 20 points

Homework - 5 points

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	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