

Course Syllabus

SALT LAKE COMMUNITY COLLEGE

WLD 1260 – BLUEPRINT FOR WELDING

INSTRUCTOR:

EMAIL:

OFFICE:

TELEPHONE:

CONSULTATION:

CLASS DAY/TIME:

ADVISOR:

EMAIL:

OFFICE:

TELEPHONE:

CONSULTATION:

COURSE DESCRIPTION:

Study of welding blueprint reading, sketching, and drawing, including a special study of welding symbols, layout work and materials. Historical evolution of blueprints will be covered.

Credit Hours: 3

CONTACT HOURS: 45

REQUIRED TEXT:

Welding Print Reading, 8th Edition, John R. Walker, and W. Richard Polanin

Goodheart-Wilcox Publishers

ISBN 978-1-68584-572-8

LEARNING OUTCOMES:

Upon completion of this course the student will be able to understand and perform basic functions related to:

- Understand and Interpret the Alphabet of Lines and Correctly Interpret Shop Drawings, Identify the Different Types of Prints, Use and Interpret Different Print Formats, Students will be able to Perform Basic Shop Sketching & Drawing
- Identify different Welding Processes and Threaded Fasteners, become familiar with different metals, Their Characteristics, Structural Shapes & Forms, Identify Common Types of Joint Designs and Welds, Understand and Interpret AWS Welding Symbols System
- Interpret Fillet Weld Symbols, Groove Weld Symbols, Plug & Slot Weld Symbols, Spot, Seam, and Projections Weld Symbols, Interpret Surfacing Weld Symbols, Interpret Edge Weld Symbols, Pipe Welding Symbols and Brazed Joints Symbols
- Recognize Basic Metalworking Processes, Understand Methods of Examining and Testing Welds

REQUIRED ASSESSMENTS:

- Written Quizzes, Examinations, and assigned projects will be given to assess student knowledge.

MATERIALS:

- #2 Pencils
- Eraser
- 12" Ruler
- Calculator
- Graph Paper
- College Ruled Paper
- Three Ring Binder

ATTENDANCE:

It is expected that students attend class regularly and on time to ensure they make satisfactory progress toward course/program completion. Attendance is tracked and reported as required to sponsoring agencies and Financial Aid when applicable.

TARDINESS:

Students are expected to be on time for class. If more than 15 minutes late for class, you are considered late. Tardiness will affect your attendance.

STUDENT RESPONSIBILITIES:

It is your responsibility to complete all the materials as outlined in the learning modules. It is also your responsibility to ask for help when material is unclear and needs further clarification. Please approach the instructor with any situation or conditions that might interfere or affect your progress and success.

Mobile phones may be used in the classroom but must be on silent or vibrate mode. If you receive a call, please leave the classroom briefly. Making telephone calls and/or texting during class should be restricted for urgent or emergency purposes only.

MAJOR INSTRUCTIONAL AREAS:

- Basic Lines and Views
- Sketching
- Notes and Specifications
- Dimensions
- Material Identification, Properties & Characteristics
- Bill of Material
- Structural Shapes
- Other Views
- Sections
- Detail, Assembly, and Subassembly Prints
- Welding Symbols and Abbreviations
- Basic Joints for Weldment Fabrications
- Fillet Welds
- Groove Welds
- Back or Backing and Melt-Thru Welds
- Plug and Slot Welds
- Surfacing Welds
- Edge Welds
- Spot Welds
- Projection Welds
- Seam Welds

- Stud Welds
- Applied Metrics for Welders
- Pipe-Welding Symbols
- Dual Dimensioning
- Inspection and Examination
- International Standard Symbols for Welding
- Introduction to Computer Aided Drafting
- Introduction to Geometric Dimensioning and Tolerancing

GRADING CRITERIA:

1. Quizzes (60%)
2. Homework Assignments (15%)
3. Final Exam (25%)

A (92-100%)	C (74-76%)
A- (89-91%)	C- (71-73%)
B+ (86-88%)	D+ (67-69%)
B (83-85%)	D (64-66%)
B- (80-82%)	E (below 64%)
C+ (77-79%)	I (Incomplete)

UW (Unofficial withdrawal)

Course Summary:

Date	Details
	Quiz Module 1 Quiz
	Quiz Module 2 Quiz
	Assignment Module 1 Unit 1-3 Review Questions
	Assignment Module 2 Unit 4-9 Review Questions

Date**Details**

Quiz [Module 3 Quiz](#)

Assignment [Module 3 Unit 10 - 13 Review Questions](#)

Quiz [Module 4 Quiz](#)

Assignment [Module 4 Unit 14-17 Review Questions](#)

Quiz [Module 5 Quiz](#)

Assignment [Module 5 Units 18-22 Review questions](#)

Quiz [Module 6 Quiz](#)

Assignment [Module 6 Units 23-24 Review Questions](#)

Quiz [Welding Print Reading Final Exam](#)

Assignment [Chapter Review Questions](#)

Assignment [Roll Call Attendance](#)
