

Blueprint Reading for Welders

TEWT - 1165 101

Course Description

Basic study of blueprint reading and drawing, welding symbols (AWS and SI), and NDT symbols.

Semester(s) taught: All

Course Student Learning Outcomes

- Interpret the meaning of "Auxiliary Views" on a blueprint.
- Interpret the meaning of "Section Views" on a Blueprint.
- Interpret information given in "Detail, Assembly, and Subassembly" blueprints.
- Interpret AWS welding symbols on a blueprint.
- Interpret Pipe layout symbols.
- Interpret "Dual Dimensioning" on a blueprint.
- Interpret AWS non-destructive testing symbols on a blueprint.
- Interpret ISO welding symbols used on blueprints.
- Identify components of a CAD system.

Engagement Plan

I will respond to email within two days.

I will offer feedback on major assignments within one week.

The best way to contact me is via the Canvas Inbox, as I will prioritize this email over other modes of communication.

Required Text or Materials



Title: Welding Print Reading

ISBN: 9781685845728

Authors: John R. Walker, W. Richard Polanin

Publication Date: 2023-01-05

For more information on textbook accessibility, contact Accessibility & Disability Services at ads@slcc.edu.

Brief Description of Assignments/Exams

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
- Demonstrate use of Measuring Tools & Devices, Perform Basic Mathematical Functions, Fractions & Decimals, Metrics, Perform Basic Functions of Plane Geometry, Interpret Dimensioning Information found on Welding Prints
- 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 Braze Joints Symbols

- Recognize Basic Metalworking Processes, Understand Methods of Examining and Testing Welds

Assignment Schedule

Due Date	Assignment Name	Assignment Type	Points
	Introduce Yourself	Discussion	0
	Module 1 Quiz	Quiz	13
	Module 6 Quiz	Quiz	10
	Roll Call Attendance	Assignment	100
	Welding Print Reading Test 2025	Quiz	100

Grading Scale

A (92-100%)

A- (89-91%)

B+ (86-88%)

B (83-85%)

B- (80-82%)

C+ (77-79%)

C (74-76%)

C- (71-73%)

D+ (67-69%)

D (64-66%)

E (Below 64%)

I (Incomplete)

UW (Unofficial Withdrawal)

How to Navigate to Canvas

Institutional Policies

As members of our academic community, we would like to invite you to review the Institutional Syllabus which covers important policies and procedures. This document contains important links for students on the code of student rights and responsibilities, academic integrity, and grading policies, Title IX and other important acknowledgements. By familiarizing yourself with this information, you can help us create a safe and respectful environment for everyone.

For more information, navigate to the Institutional Policies tab on the [Institutional Syllabus](#) page.

Learning Support and Tutoring Services

We are pleased to offer a range of tutoring and learning support services to help you achieve your academic goals. Whether you need assistance with a specific subject or want to improve your study skills, you have many options for tutoring or other support.

To learn more about the services we offer and how to access them, visit the [Institutional Syllabus](#) page under the Tutoring and Learning Support tab. We encourage you to take advantage of these resources to help you succeed in your studies. If you have any questions or would like to schedule a tutoring session, please don't hesitate to reach out to us. We are here to support you in any way we can.

Advising and Counseling Support Services

At our institution, we are committed to supporting your academic and personal growth. That's why we offer a range of advising and counseling services to help you navigate the challenges of college life. To learn more about the resources available to you and how to access them, visit the [Institutional Syllabus](#) page under the Advising and Counseling Support Services tab. Our advising team and the support centers across campus are here to support you in achieving your goals and overcoming any obstacles you may face.

Student Academic Calendar

As students you should be aware of all important dates in the semester, such as the day that courses begin and end, as well as the drop date and the last day to withdraw. To learn more about those dates, navigate to the Student Academic Calendar below:

[SLCC Student Academic Calendar](#)