

## Syllabus

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### Course Description

[Blue Print Reading and Weld Symbols](#) course will prepare the student(s) for the welding industry through topics that include: Basic blue print reading, Understanding various views, interpreting lines, measurements, visually understanding prints, types of welding joints and symbols used per the AWS 2.4 standard.

### Major Instructional Areas

- Basic Lines and Views
- Sketching
- Notes and Specifications
- Dimensions
- 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

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### Course Objectives

- Unit 1: Basic Lines and Views
- Unit 2: Sketching
- Unit 3: Notes and Specifications
- Unit 4: Dimensions
- Unit 5: Bill of Materials
- Unit 6: Structural Shapes
- Unit 7: Other Views
- Unit 8: Sections
- Unit 9: Detail, Assembly, and Subassembly Prints
- Unit 10: Welding Symbols and Abbreviations
- Unit 11: Basic Joints for Weldment Fabrications
- Unit 12: Fillet Welds
- Unit 13: Groove Weld
- Unit 14: Back or Backing and Melt-Thru Welds
- Unit 15: Plug and Slot Welds
- Unit 16: Surface Welds
- Unit 17: Edge Welds
- Unit 18: Spot Weld
- Unit 19: Projection Welds
- Unit 20: Seam Welds
- Unit 21: Stud Welds

### Text and Supplies

#### Text

A.E. Bennett, Louis J. Siy, Blue Print Reading for Welders, 9E, Cengage Learning, ISBN: 9781133605782

#### Reference Books

Larry Jeffus, Welding, Principles and Applications, 7E Delmar Cengage Learning ISBN: 9781111039172

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### Attendance

Employers expect employees to show up on time for every scheduled work day. Likewise, the Academic Foundations Department expects students to show up on time for every scheduled class day. Attendance is crucial for your success.

- If you miss an entire class, you are marked absent for the number of hours of that class.
- If you miss part of a class, this is how attendance is impacted:
  - Missing more than 15 minutes of a class meeting = 1 class hour absence
  - Missing up to 5 minutes of a course hour = Tardy
- Three tardies = 1 absence
- More than 3 absences will cause failure in the course.

### If you are absent:

Each student is expected to be prepared for class upon return. You can check for missed assignments on Blackboard, obtain the phone numbers of two classmates to call for assignment information, or e-mail the instructor. Do not call to inform that you will be absent or for the assignments you missed. As you are expected to attend every class, it is not the instructor's responsibility or obligation to re-teach material to students who are absent.

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### Expectation of Students:

As college students, you are expected to show you have the skills, work habits, and professional courtesy necessary to participate in your professional training at CSTCC. Student responsibilities

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are outlined in the Student Code of Conduct in the Cincinnati State Catalog. To be successful in this course you need to:

- Read the syllabus and consult it regularly. **It is a contract for learning.**
- Be on time for class and remain for the entire class period.
- Come to class with the required materials. **You must have the textbook before the second week of class.**
- Listen carefully to other students and give helpful feedback in small groups.
- Be prepared for class by having the assignments completed.
- To stay on task whole class is in session. The first time your behavior disrupts classroom order, you will be given a warning. The second time you will be asked to leave and will need special permission from a Co-chair to re-enter. Any further disruption will result in a referral to the Behavior Intervention Team or your instructor filing a “Violation of the Student Code of Conduct” formal complaint with the Dean of Students.

**Disruptive conduct includes any of the following:**

- ✓ **Obnoxious, unruly behavior**
  - ✓ **Disrespect to instructor or other students**
  - ✓ **Refusal to participate in class**
  - ✓ **Talking during class**
  - ✓ **Chronic lack of preparedness**
- Arrange for childcare. Children are not permitted in class. In addition, guests are only permitted with the permission of the instructor.
  - **Switch off all personal electronic devices before entering the classroom.** Under no circumstances is a student to send text messages during class. If there is an imperative need to have your phone on during class, please let the instructor know before class begins.
  - Do not eat food during class (only drinks are permitted, not at the computer stations.)

### Academic Honesty

Cincinnati State’s Student Code of Conduct prohibits academic dishonesty (such as cheating or plagiarism). Students in violation of the code will be subjected to disciplinary action as outlined in the Academic Integrity Policy and Procedures in the Cincinnati State catalog.

### Disability Statement (Must be read aloud)

**If you have a disability that may require accommodations, please contact the Cincinnati State Office of Disability Services to have it documented, assessed, and accommodations authorized. If authorized, ODS will provide a Letter(s) of Accommodation for you to give to your instructors. Every semester thereafter you will contact ODS to request your new letters of accommodation. To register or ask questions contact ODS at 513-569-1775 or email [disabilities@cincinnatiastate.edu](mailto:disabilities@cincinnatiastate.edu)**

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### Late Assignment Policy

- **Homework:**
  - All homework will be given a due date when assigned.
  - **Homework is due at the beginning of class.**
  - In case of emergency situations, contact your instructor.

### Make-up Exam Policy

There will be no make-up exams offered unless you meet certain criteria approved by the chair person to make up the exam at a later date.

### Assessment and Grading Scale

**All** of the following criteria must be met to pass this course:

- **Students must pass the AWS Blueprint reading and Weld symbols exam with a minimum score of 75%.**
- **Students must complete all written exams with minimum score of 70%.**

If these criteria are met, your final grade will be determined by averaging the following course components:

#### **AWS written exams = 40%**

- Blueprint and Weld symbols.

#### **Chapter written exams = 40%**

- Use Study Guides.

#### **Class Participation = 20%**

- Engage with the class discussions.
- Includes completing assigned homework.
- **Show up and be on time.**

**All grades will be reported as letter grades according to the following scale:**

93 = 100% = A

84 = 92% = B

76 = 83% = C

under 75% = F

**The instructor reserves the right to modify the syllabus to meet the needs of the students.**

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I have read the syllabus and assignment schedule for **WLD 105**. I understand that in order to be successful in this class, I must come to class prepared to work each day. I have read the instructor's requirements for attendance and grading and agree to follow these guidelines.

\_\_\_\_\_  
Student's Name

\_\_\_\_\_  
Student's Signature

\_\_\_\_\_  
Date



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