## **Clackamas Community College**

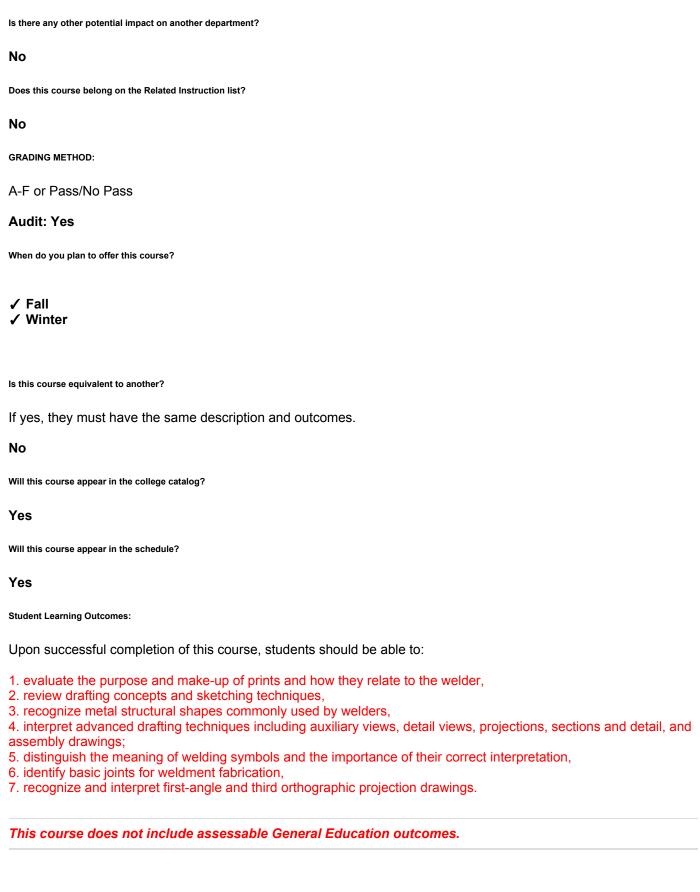
Online Course/Outline Submission System

✓ Show changes since last approval in red	
WLD-100 Welder's Print Reading I	
General education certified: ○ Yes <b>● No</b>	
<ul> <li>Writing</li> <li>Oral Communication</li> <li>Arts and Letters</li> <li>Science &amp; Computer Science</li> <li>Mathematics</li> <li>Social Science</li> <li>Cultural Literacy</li> <li>Health &amp; Physical Education</li> </ul>	
☐ Approved Date (mm/dd/yyyy):   /   /	Submit
Section #1 General Course Information  Department: Welding	
Submitter	
First Name: Dustin Last Name: Bates Phone: 3973 Email: dustinb	
Course Prefix and Number: WLD - 100	
# Credits: 3	
Contact hours	
Lecture (# of hours): 33 Lec/lab (# of hours): Lab (# of hours): Total course hours: 33  For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-	class and
out-of-class activity.	
Course Title: Welder's Print Reading I	

## Course Description:

Provides instruction in reading and interpretation of prints and symbols common in the welding industry. Participants will learn the interpretation and application of basic lines, dimensions, structural shapes, and specifications. Welding symbols and their application to different types of joint configurations will be covered, as well as how to develop basic shop drawings and prints.

Type of Course: Career Technical Preparatory
Is this class challengeable?
Yes
Can this course be repeated for credit in a degree?
No
Is general education certification being sought at this time?
No
Does this course map to any general education outcome(s)?
No
Is this course part of an AAS or related certificate of completion?
Yes
Name of degree(s) and/or certificate(s): Welding AAS
Are there prerequisites to this course?
No
Are there corequisites to this course?
No
Are there any requirements or recommendations for students taken this course?
No
Are there similar courses existing in other programs or disciplines at CCC?
No
Will this class use library resources?
Yes
Have you talked with a librarian regarding that impact?
No



## **Major Topic Outline:**

- 1. Basic lines and views, sketching, notes and specifications.
- 2. Dimensions, bill of materials.
- 3. Structural shapes, other views.

- 4. Sections, detail, assembly, and subassembly prints.
- 5. Welding symbols and abbreviations.
- 6. Basic joints for weldment fabrication.
- 7. Fillet welds, groove welds, back or backing and melt-thru welds.
- 8. Plug and slot welds, surfacing welds, edge welds.
- 9. Spot welds, projection welds.
- 10. Seam welds, stud welds.

Does the content of this class relate to job skills in any of the following areas:

Increased energy efficiency
 Produce renewable energy
 Prevent environmental degradation
 Clean up natural environment
 Supports green services

Percent of course: 5%

First term to be offered:

## Next available term after approval

: