Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information
Department:Apprenticeship
Submitter
First Name: ShellyLast Name: TracyPhone:0945Email:shellyt
Course Prefix and Number: APR - 167PB
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:Plumbing Welding and Print Reading
Course Description:
Blueprint Reading: rough-in sheets, single line drawings, detail drawings and sections. Welding: Gas welding, cutting theory, soldering, brazing and cutting; flat and vertical weld and shielded metal-arc welding.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

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):AAS.CONSTRUCTPB & CC.CONSTRUCTPB - Construction Trades, General Apprenticeship& AAS &

Are there prerequisites to this course?

Yes

Pre-reqs:Successful completion of APR-147PB

Have you consulted with the appropriate chair if the pre-req is in another program?

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?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit:Yes

When do you plan to offer this course?

✓ Not every term

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. read, interpret and apply information from rough-in and single-line drawings to plumbing installation procedures and understanding.

2. perform the various welds: gas, soldering, brazing, cutting, oxy-acetylene and shielded metal-arc.

This course does not include assessable General Education outcomes.

Major Topic Outline:

- Blueprint Reading
- a. Rough-in sheets
- b. Single line drawings
- c. Detail drawings
- d. Section drawings
- Welding
- a. Gas
- b. Soldering
- c. Brazing
- d. Cutting
- e. Oxy-acetylene
- f. Shielded metal-arc

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

1. Increased energy efficiency	No
2. Produce renewable energy	No
3. Prevent environmental degradation	No
4. Clean up natural environment	No
5. Supports green services	No

Percent of course:0%

First term to be offered:

:

Next available term after approval