

Clackamas Community College

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Section #1 General Course Information**Department:**Apprenticeship**Submitter**

First Name: Shelly

Last Name: Tracy

Phone: 0945

Email: shellyt

Course Prefix and Number:APR - 137PB**# 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 Basic Installation & ISO**Course Description:**

Installation practices: plumbing fixtures, valves and fittings. Blueprint Reading: lines, scale rulers, sketching, symbols, detail sketching, orthographic projection, isometric & oblique sketches.

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):CONSTRUCTIONPB.AAS, CONSTRUCTIONPB.CC

Are there prerequisites to this course?

Yes

Pre-reqs:Successful completion of APR-127PB

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

Yes (A 'Yes' certifies you have talked with the chair and have received approval.)*

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. demonstrate the ability to install fixtures and valves to meet code requirements,
2. construct plumbing that correctly follows a blueprint,
3. demonstrate the ability to sketch and draw as necessary for the plumbing trade,
4. demonstrate the ability to perform fixture rough-in.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Introduction and job safety.
2. Installation practices and fixtures I & II.
3. Fixtures III, fixture fittings, and valves I.
4. Valves II and introduction to blueprint reading.
5. Lines and scale rulers.
6. Sketching & midterm.
7. Detail sketching and symbols.
8. Orthographic projection and isometric sketching.
9. Oblique sketching and course review.

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

:
