

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- 206PB

Credits:1**Contact hours**

Lecture (# of hours):

Lec/lab (# of hours): 20

Lab (# of hours):

Total course hours: 20

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 Gas and Electric**Course Description:**

Course will teach the plumbing apprentice basic skills required to understand selected plumbing service work. Students will work with hands on materials and equipment as well as manufacturer's installation and repair manuals to service and repair natural gas and electric plumbing appliances. They will have an opportunity to learn methods used by a plumber to service fixtures and plumbing equipment using natural gas and electricity such as water heaters.

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

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?

Yes

Recommendations:None

Requirements:Successful completion of 1st and 2nd year plumbing apprenticeship related training classes

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. repair the most common types of plumbing appliances that use natural gas,
2. access, understand and use the written resources available for repairing plumbing appliances that use natural gas or electricity;
3. identify, access, and utilize other methods available to plumbers to recognize and service plumbing fixtures and appliances that use natural gas or electricity.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Identify fixtures, appliances, appurtenances, equipment using natural gas and electricity.
2. Natural Gas Codes.
3. Basic Electricity.
4. Appliance operation and repair.

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

:
