

**Clackamas Community College**  
Online Course/Outline Submission System

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### Section #1 General Course Information

**Department:**Apprenticeship

**Submitter**

First Name: Shelly

Last Name: Tracy

Phone: 0945

Email: shellyt

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**Course Prefix and Number:**APR - 205PB

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**# 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.

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**Course Title:**Service Plumbing

**Course Description:**

Course will teach the plumbing apprentice basic skills required to service and repair a plumbing system. The apprentice will have an opportunity to learn methods used by a plumber to trouble shoot a plumbing system and restore it to working order.

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**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.CONTSTRUCTPB

Are there prerequisites to this course?

**Yes**

**Pre-reqs:**Successful completion of APR-177PB

**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. trouble shoot and repair a plumbing system in general,
2. recognize materials used to repair such systems,
3. access, identify and understand codes and manufacturer's documents related to plumbing systems.

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***This course does not include assessable General Education outcomes.***

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Major Topic Outline:

1. Common Service practices, tools, customer relations.
2. Recognizing plumbing systems old and modern.
3. Drain Obstructions.
4. Water system problems.
5. Faucets and Valve repair.
6. Water Closets.
7. Tubs, showers, other fixture repair.

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

- |                                      |           |
|--------------------------------------|-----------|
| 1. Increased energy efficiency       | <b>No</b> |
| 2. Produce renewable energy          | <b>No</b> |
| 3. Prevent environmental degradation | <b>No</b> |
| 4. Clean up natural environment      | <b>No</b> |
| 5. Supports green services           | <b>No</b> |

Percent of course:0%

First term to be offered:

**Next available term after approval**

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