

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

Course Prefix and Number:APR - 187PB**# 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 Related Codes**Course Description:**

Building Code and Mechanical Code requirements that affect plumbing installations including a review of Fire and Life-Safety Codes relative to plumbing installation.

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 7CC>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:Accepted into the Painter's Apprenticeship program

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. recognize types of building construction and occupancies,
2. apply Fire and Life Safety requirements relative to plumbing systems within a building,
3. apply the requirements for cutting, boring and notching beams, joists, studs, glu-lams and walls for piping installation;
4. identify different structural members and their use in building construction,
5. identify fire-rated walls and ceiling, and be proficient in fire caulking and sealing plumbing penetrations in fire-rated assemblies.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Fire, Life Safety Code requirements & building design for fire escape, corridors and stairways.
2. Fire resistive assemblies, building types and occupancies.
3. Construction materials and structural members: grade beams, footings, framing members and types of construction. Shear walls, beams, trusses, joists, headers & glu-lams.
4. Piping Penetrations & Fire stopping.
5. Cutting, boring and notching.

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

:
