

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: Apprenticeship

Submitter

First Name: Shelly

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Course Prefix and Number: APR - 125UW

Credits: 4

Contact hours

Lecture (# of hours):

Lec/lab (# of hours): 80

Lab (# of hours):

Total course hours: 80

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: Wireman Hotstick Training

Course Description:

This course is designed to instruct apprentice candidates on selecting and fitting specific equipment and use of proper working techniques on substation structures and equipment using a hotstick.

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): Electrician Apprenticeship Technologies AAS

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: Apprentice must be in the 4th step per the BOLI Standard

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: No

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. present appropriate professional behavior, ie be attentive, ask appropriate questions, follow directions accurately, retain information given, willingly demonstrate skills/tasks, take initiative to learn and help others, coachable (uses constructive feedback to learn), communicates well with other crew members and demonstrates leadership when appropriate;
2. utilize proper climbing technique and apply safe practices in the use of hand tools,
3. discuss the importance of safety awareness while performing job tasks,
4. identify each hot stick, its use/application, and its care;
5. apply basic line work knowledge and skills including: hand line use/rigging, installing covers on primary/secondary lines, deadend 3-phase primary on dead-end pole using hot hoist and hot blocks, hang a pole top and arm gin, change out mid-span primary/secondary arm, change tie wires (side ties) on a 10-foot alley arm and sleeve primary in mid-span using hoist and hot blocks;
6. know the address and county of their worksite,
7. lead a job briefing as a foreman, accurately and fully complete a job briefing sheet and have each crew member sign;
8. explain the two foot rule,
9. identify the hazards of the job, wear appropriate personal protective equipment (PPE) and determine the use of proper cover, rubber gloves and fall restraint;
10. inspect each apprentices' belt, hooks and fall restraint.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Safety introduction.
2. Hot sticks their use and care.
3. Using proper cover.
4. Tie wires/arm change out (use various scenarios such as tying in on double arms and alley arms, spreading wire).
5. Dead ending wire and sleeving.
6. Conduct one-on-one with apprentice.

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

:
