

Clackamas Community College
Online Course/Outline Submission System

Show changes since last approval in red

Print

Edit

Delete

Back

Reject

Publish

Section #1 General Course Information

Department:Apprenticeship

Submitter

First Name: Shelly

Last Name: Tracy

Phone: 0945

Email: shellyt

Course Prefix and Number:APR - 125UL

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:Hot Stick Training

Course Description:

Instruct the second year apprentice on cable applications, identification and care of hot line tools, planning and safety for hot stick jobs, removal and installation of tie wire, basic rigging, moving single-phase lines and transformer theory.

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):Electrical 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:1st year Outside Electrical Theory and 3rd step Apprentice

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 or Pass/No Pass

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. explain each hot stick and its use,
2. identify hot tie wires used in PGE systems and explain their application,
3. restate the two foot rule,
4. install covers on primary (plastics, blankets, gutts and hoods);
5. demonstrate basic rigging, hot hoist, rope blocks, arm gins and jumpers;
6. change out mid-span primary arm,
7. change tie wires (side ties) on a 10 foot alley arm,
8. dead-end 3 phase primary on dead-end pole using hot hoist and rope blocks,
9. demonstrate sleeving a primary in mid-span using hot hoist and rope blocks,
10. explain basic transformer theory.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Hot line tools.
2. Planning and safety for hot stick jobs.
3. Hot stick test equipment.
4. Two foot rule.
5. Installing covers.
6. Basic rigging.
7. Removing and installing tie wires.
8. Moving a single-phase line.
9. Transformer theory.

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

:
