

Clackamas Community College
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Section #1 General Course Information

Department:Energy & Utility Resource Management

Submitter

First Name: Shelly

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Course Prefix and Number:ERM - 163

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:Initial Pole Climbing

Course Description:

The focus is on safety, proper equipment and various job functions. The students will practice and perform pole top rescue and test out doing different performances on the pole at four, ten, sixteen, thirty, & forty feet. All climbing is done in full fall restraint at all times.

Type of Course:Career Technical Preparatory

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

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):Utility Trade Prep: Lineworker Pathway Cert.

Are there prerequisites to this course?

Yes

Pre-reqs:Pass ERM-162 with a C or better

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?

Yes

Recommendations:None

Requirements:Instructor consent

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?

✓ **Winter**

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?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. select, apply and maintain proper climbing tools and other Personal Protective Equipment (PPE);
2. demonstrate ergonomics on the pole to avoid injury,
3. observe and identify the physical layout and condition of the conductors, poles, guys and the equipment on the structure;
4. recognize the importance of inspecting the pole for unsafe conditions including; the rake of the pole, rotted places, nails, tacks, cracks, knots, foreign attachments and pole steps;
5. demonstrate pole top rescue,
6. properly tie assigned knots,
7. demonstrate how to safely step on and off a wood pole and maneuver around a wood pole,
8. demonstrate safe climbing techniques and climbing over obstacles on the pole,
9. demonstrate hand drilling, and hang single and double cross arms
10. perform an insulator exchange.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Selection, use and maintenance of climbing gear and other Personal Protective Equipment (PPE) including appropriate clothing.
2. Ergonomics on the pole to avoid injury.
3. Importance of observing the physical layout and condition of the conductors, guys and the equipment on the structure before climbing.
4. Inspection of poles for unsafe conditions including; the rake of the pole, rotted places, nails, tacks, cracks, knots, foreign attachments and pole steps, and bumping the pole before climbing.
5. Pole top rescue steps and timeliness.
6. How to properly tie knots and their uses.
7. Climbing techniques and various pole top work tasks such as: hand drill holes, hang single and double cross arms, climb over obstacles and insulator exchange.
8. Raise and lower transformers

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

:
