

**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

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**Course Prefix and Number:**APR - 118UM**# Credits:**2**Contact hours**

Lecture (# of hours):

Lec/lab (# of hours): 40

Lab (# of hours):

Total course hours: 40

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:**Leadman Repairman Overview**Course Description:**

Apprentices will experience the daily duties of Leadman Repairman as they investigate customer service calls and install, maintain and remove customer services.

**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 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?

**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: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. summarize how to install, maintain, and remove customer services;
2. explain the general steps of how to set and remove meters,
3. restate how to investigate service interruptions and sectionalize and/or clear damaged equipment with maximum regard to public safety and to speedy restoration of essential service,
4. explain the basic steps to investigate customers' service calls and complaints and correct them, know the evaluation process to see if company equipment is at fault, or advise customer where to seek correction if their equipment is at fault;
5. describe the general concepts of how to operate line and substation switches and control equipment on routine or emergency work and keep familiar with lines and stations,
6. assess how to re-fuse transformers and line devices,
7. explain the responsibilities of a Journeyman Lineman on a line crew,
8. state how to make service connects and disconnects,
9. explain the importance of working computers and applications such as e-mail, Outage Management System (OMS) and Street Light Management system (SLM).

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

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Major Topic Outline:

1. Install, maintain, and remove customer services.
2. Set and remove meters.
3. Investigate service.
4. Investigate customers' service calls.
5. Operate line and substation switches and control equipment on routine or emergency work.
6. Keep familiar with lines and stations.
7. Re-fuse transformers and line devices.
8. Work as a Journeyman Lineman on a line crew when necessary.
9. Make service connects and disconnects.
10. Working knowledge of computers and applications.

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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