

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 - 235IE

Credits:3**Contact hours**

Lecture (# of hours): 36

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 36

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:Special Installations**Course Description:**

Covers special occupancies, special equipment, special conditions as they pertain to the National Electric Code and Oregon Specialty Code (OESC) it will also touch on communication systems

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 and CC

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. define the breakdown of hazardous locations,
2. describe appropriate safety measure for hazardous locations,
3. outline the different aspects of patient care area in hospitals,
4. discuss the required wiring methods in hospital,
5. identify wiring methods for different places of assembly,
6. identify wiring methods for special equipment, including elevators, solar, wind systems;
7. describe the difference in emergency, legal and optional systems,
8. identify the communication systems.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. NEC special occupancies.
2. NEC special equipment.
3. NEC special condition.
4. NEC communications.
5. Hazardous locations.
6. Hospitals.
7. Elevators.
8. Solar.
9. Wind.
10. Electric car chargers.
11. Communication systems.
12. Wiring Hierarchy.

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

:
