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 - 217LE

 # Credits: 4

Contact hours

Lecture (# of hours): 48
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 48

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: Closed Circuit Television/ Integrated Systems

Course Description:

Covers the equipment used in CCTV systems, as well as the methods used to integrate these components into systems that meet the surveillance needs of different users. The course work will cover basic system components as well as specific application criteria and terminology. The student will also achieve a working knowledge of the National Electrical Code (NEC) as it applies to these technologies.

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):AAS.ELECTRICIANLE, CC.ELECTRICIANLE, CC.LIMITELECTAPP

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: Accepted into the Limited Energy Apprenticeship program

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?

✓ 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 and apply the basic principles, standards, and practices used to install, maintain, and service CCTV and Integrated systems;
2. explain and apply the basic electrical foundations associated with CCTV Integrated systems,
3. explain the different recording types and media used for CCTV applications,
4. explain and apply the of terminology used in conjunction with CCTV Integrated systems,
5. explain typical system components,
6. be able to identify various CCTV components and their integration into security systems.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Describe different uses for CCTV systems.
2. recording types and media used for CCTV applications.
3. cameras \used in CCTV systems.
4. various lenses for use in a CCTV system.
5. cabling options for a CCTV system
6. installation requirements for CCTV systems.
7. tools used for CCTV system troubleshooting
8. basic principles, standards, and practices used to install, maintain, and service integrated security systems.
9. basic electrical foundations associated with integrated systems.
10. relay logic integration.
11. terminology used in conjunction with integrated systems.
12. system components and software.

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

: