Course Assessment - Part A: Your Plan

COMPLETE #516

Please select your course and name from the drop-down menu. If your course or name are incorrect or missing, contact the Curriculum and Assessment Administrative Assistant, 541-506-6037 or swade@cgcc.edu.

EET 113: AC Power - 1096761 - James Pytel - Spring 2021

* **Part A: Your Plan DIRECTIONS 1. Choose three of your course outcomes to assess and report on this term (these will also be used in your Student Course Evaluation survey): Outcome #1**

Apply AC concepts and theorems to analyze resistive and reactive circuits for apparent power, reactive power, and power factor correction.

* **Outcome #2**

Build and simulate advanced electrical AC circuits and perform measurements with electronic test equipment.

* **Outcome #3**

Apply AC concepts to polyphase systems, delta and Y connected circuits, conversion between delta and Y for generators and motors, balanced and unbalanced delta and Y.

Have you completed an assessment for this course prior to this term?

Yes

If yes, are you assessing different outcomes?

No

Comments:

(No response)

2. To which degree(s) or certificate(s) does your course map? Degree, Certificate, & Program Outcomes

Associate of Applied Science: Electro-Mechanical Technology, Electro-Mechanical Technology Career Pathway Certificate

* **Method of Assessment 3. What methods will be used to assess individual student understanding of each of these outcomes? (Please be specific.) Outcome #1: Method to assess student understanding**

Worksheets, quizzes, labs, and exams.

* **Outcome #2: Method to assess student understanding**

Worksheets, quizzes, labs, and exams.

* **Outcome #3: Method to assess student understanding**

Worksheets, quizzes, labs, and exams.

*** 4. How will you know if you were successful in your efforts to teach this outcome? Outcome #1:**

Students will be able to successfully calculate electrical properties of circuits and use electrical theorems.

*** Outcome #2: How will you know if you were successful in your efforts to teach this outcome?**

Students will be able to successfully use oscilloscopes, voltmeters, and ammeters to measure electrical properties of real world and simulated circuits.

*** Outcome #3: How will you know if you were successful in your efforts to teach this outcome?**

Students will be able to successfully calculate line and load current and power for balanced and unbalanced Y and delta configured 3 phase AC circuits.

5. Instructor Questions: Create two course specific questions to be included on the Student Course Evaluation. Question #1

How confident do you feel about analyzing DC, single phase AC, and 3 phase AC circuit?

Question #2

How confident do you feel about employing electrical instrumentation in real world circuits?

Do you require the names of students who complete the course evaluation survey? (Please note: names will be sent to instructors the Thursday before term ends)

NO

Reminder, when completing Part B, instructors will be asked the following questions: Describe anything you did to assist the institutional effort to support students in improving achievement of the specified criteria for the following Core Learning Outcomes (CLO): 1. CLO#1 - Communication - "Sources and Evidence" and/or "Organization and Presentation" 2. CLO#2 - Critical Thinking/Problem Solving - "Student Position" and/or "Evaluate Potential Solutions" 3. CLO#4 - Cultural Awareness - "Curiosity" (Encouraging our students to "Ask deeper questions about other cultures and seek out answers to these questions") 4. CLO#5 - Community and Environmental Responsibility - "Understanding Global Systems" and/or "Applying Knowledge to Contemporary Global Contexts" 5. CLO#3 - Quantitative Literacy - "Application/Analysis" and/or "Assumptions"

CLO#3 Quantitative Literacy