

Course Assessment – Part A: Your Plan

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Your Email *

Please select your course & 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 ggilliland@cgcc.edu.

EET113 – AC Power – 1093976 – Jim Pytel – Spring 2019

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):

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

Outcome #1 *

Outcome #2 *

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

Outcome #3 *

Write technical reports using collected experiment data

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

If yes, are you assessing different outcomes? No

Comments:

2. To which degree(s) or certificate(s) does your course map?

[Degree, Certificate, & Program Outcomes](#)

- ELECTRO-MECHANICAL TECHNOLOGY

Method of Assessment

Students will calculate theoretical voltage, current, and power figures for AC circuits.

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 *

Outcome #2: Method to assess student understanding *

Students will calculate theoretical performance of balanced and unbalanced Y and delta 3 phase AC configurations.

Outcome #3: Method to assess student understanding *

Students will compare theoretical calculations with recorded actual observations.

4. How will you know if you were successful in your efforts to teach this outcome?

Students properly calculate theoretical voltage, current, and power figures for AC circuits.

Outcome #1: *

Outcome #2: How will you know if you were

Students properly calculate theoretical performance of balanced and

successful in your efforts to teach this outcome? *

unbalanced Y and delta 3 phase AC configurations.

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

Students can present recorded actual observations that closely match theoretical calculations.

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

Question #1

Question #2

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")

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