

Course Assessment - Part A: Your Plan

COMPLETE

#549

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 111- DC Circuits- Jim Pytel- Fall 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 basic electrical DC concepts and theorems to analyze circuits

* **Outcome #2**

Build, simulate, and troubleshoot DC circuits and perform measurements with electronic test equipment.

* **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?

Yes

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**

Student will perform theoretical calculations.

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

Students will build circuits in a lab environment and use instrumentation to observe electrical properties.

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

Students will collect experimental data and display it on a graph.

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

Student calculations match theoretical predictions.

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

Students can build series, parallel, and series-parallel circuits using real world components and properly use instrumentation to obtain observed results.

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

Students can properly display and interpret experimental results in graph form.

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

Do you feel confident in your ability to use a DMM in ohmmeter, DC voltmeter, and DC ammeter mode?

Question #2

Do you feel confident in your ability to analyze series, parallel, and series-parallel DC 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 Institutional Learning Outcomes (ILO): 1. ILO#1 - Communication - "Content Development" and/or "Control of Syntax and Mechanics" 2. ILO#2 - Critical Thinking/Problem Solving - "Student Position" and/or "Evaluate Potential Solutions" 3. ILO#4 -Cultural Awareness - "Curiosity" (Encouraging our students to "Ask deeper questions about other cultures and seek out answers to these questions") 4. ILO#5 - Community and Environmental Responsibility - "Understanding Global Systems" and/or "Applying Knowledge to Contemporary Global Contexts" 5. ILO#3 - Quantitative Literacy - "Application/Analysis" and/or "Assumptions"

(No response)