

UNIVERSITY OF ARKANSAS
PULASKI TECH

Course-Level Assessment Report
Course: PHYS 1100 Physical Science
Lab
Academic Year: 2020-2021



1. Name of course: PHYS 1100: Physical Science Lab
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3. Date of submission: 9-1-2021
4. Academic year: 2020-2021

Course-Level Learning Outcomes

1. What are the Course-Level Outcomes (CLOs)?

1. The student will be able to properly measure and report measurements with the proper significant figures and with the experimental error.
2. The student will be able to use the properties of chemical substances to identify them and be able to balance chemical equations involving those substances.
3. The student will analyze motion, its relationship to force, and the effects of objects in motion when they collide with each other.
4. The student will learn the different types of energy and the relationship between energy, heat, electricity, and magnetism.

2. Which CLOs were addressed for the academic year?

CLO 2

3. Which CLOs are being addressed in your assessment plan in the upcoming academic year?

CLO 2

4. Explain the assessment cycle.

Fall and Spring: Lab 8

5. What are the assessment methods? Are they direct or indirect?

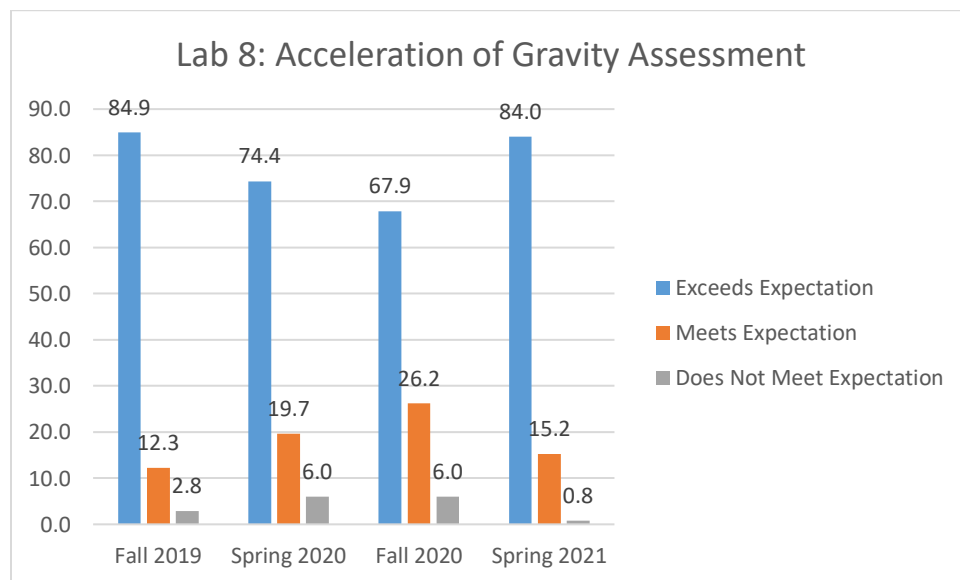
Lab 8 (Direct)

6. What are the assessment goal(s), including benchmarks?

80% of students getting at least 70% of the points on the lab (Meets Expectations). Students getting at least 90% of the points are considered to have Exceeded Expectations.

7. What were the findings for the academic year?

The threshold was met in both semesters.



8. What is your analysis of the findings?

The assessment in the Fall indicates that students successfully fulfilled the goal. The assessment in the Spring met the same goal. In both semesters, there was a mix of students taking the lab in person and taking the lab online. Because of this, the assessed value is based on the student's ability to properly calculate the acceleration and experimental error from the data provided them since not every student was able to do the actual procedure. The increase in the percentage of students who Exceeded Expectations is likely due to more students transitioning back to being in person.

9. What is the action plan for the upcoming academic year?
Explain.

Evaluate changing how the lab is assessed due to the changing nature in how the class is delivered (going from being all in person instruction to part in person and part online).