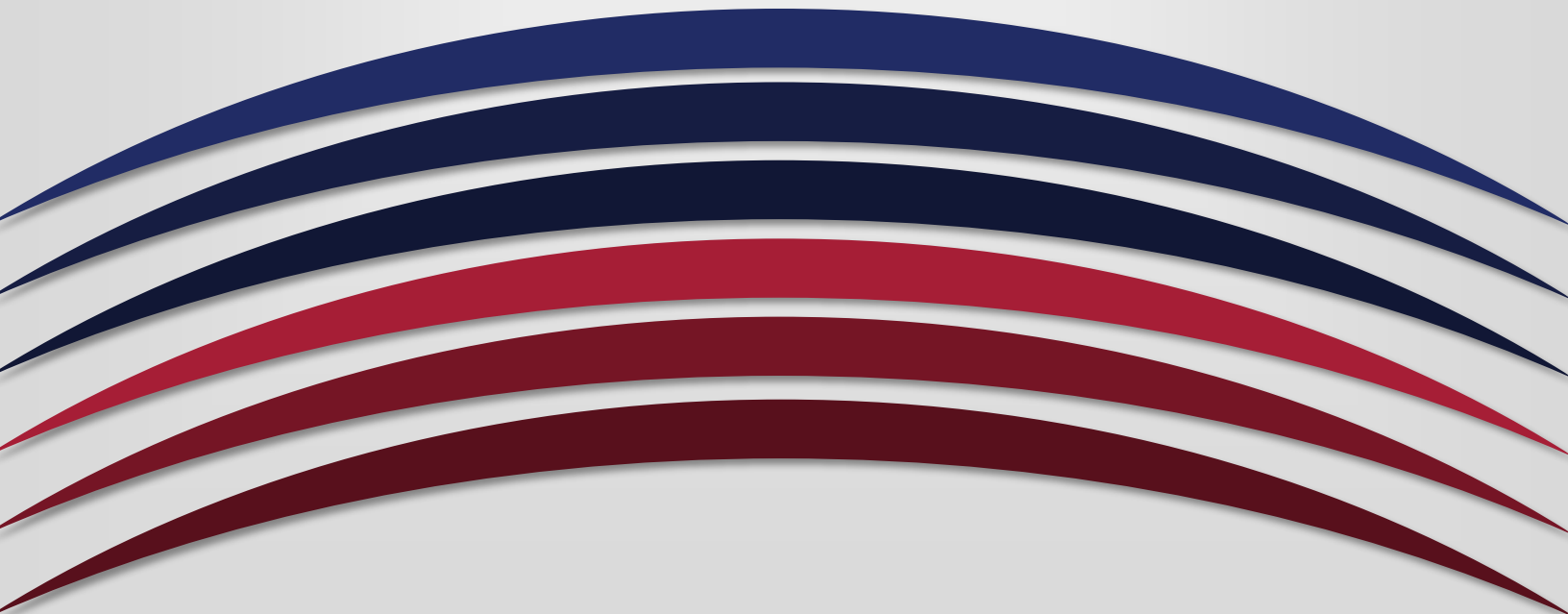




UNIVERSITY OF ARKANSAS
PULASKI TECH

Assessment Report:
2019-2020:
College Physics



1. Name of individual compiling report: Jeff L Shaw

2. Date of submission: Sept 30, 2020

3. Is the assessment plan

☐ an initial plan for the
program

☒ a revision of an old plan

☐ unaltered from
previous year

Course-Level Learning Outcomes-

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

Introduce physics concepts, ideas, practical applications, and mathematical analysis of physics. An improved understanding of how physics applies to the mechanical world will be conveyed. The conceptual thinking will be reinforced with mathematics predictions based on physics will be implemented. Students should have a better understating of the limits and reasonability of many physical application of the world they are already familiar.

2. Which CLOs were addressed for this academic year? (2019-2020)

How units of mathematical numeric values are applied in the physical world as well as vector analysis to improve their understanding of how physics concepts encompass their lives.

3. Which CLOs are being addressed in your assessment plan next academic year? (2020-2021)

The mathematical analysis of physics and its application to the real world along with the meaning of the numeric results.

4. Explain the assessment cycle.

Focus more on mathematical reasoning during class lecture as well as written lectures outlining the correct step-by-step approach to many concepts in physics. Testing will be implemented allowing the student to display their mathematical reasoning skills learned.

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

Direct. Final exam questions over selected topic(s)

6. What are the assessment goal(s)?

To determine if increased topic exposure coupled with in-class testing methods resulted in an increase of measured comprehension.

7. What were the findings for this academic year? (2019-2020)

The findings were inconclusive. Testing methods were contaminated due to online presents in spring 2020.

8. What is your analysis of the findings?

An increase of focus on one topic deprived time from other topics. No conclusive evidence was obtained to determine if students had an increased understanding.

9. What is the action plan for the next academic year? (2020-2021) Explain.

Once again, the upcoming semesters will be a mix of online and face-to-face classes. Online learning and engagement and assessment cannot be compared to each other. More emphasis will be placed on students' exposure to material in both learning environments and an increase in student learning responsibility will be further encouraged.