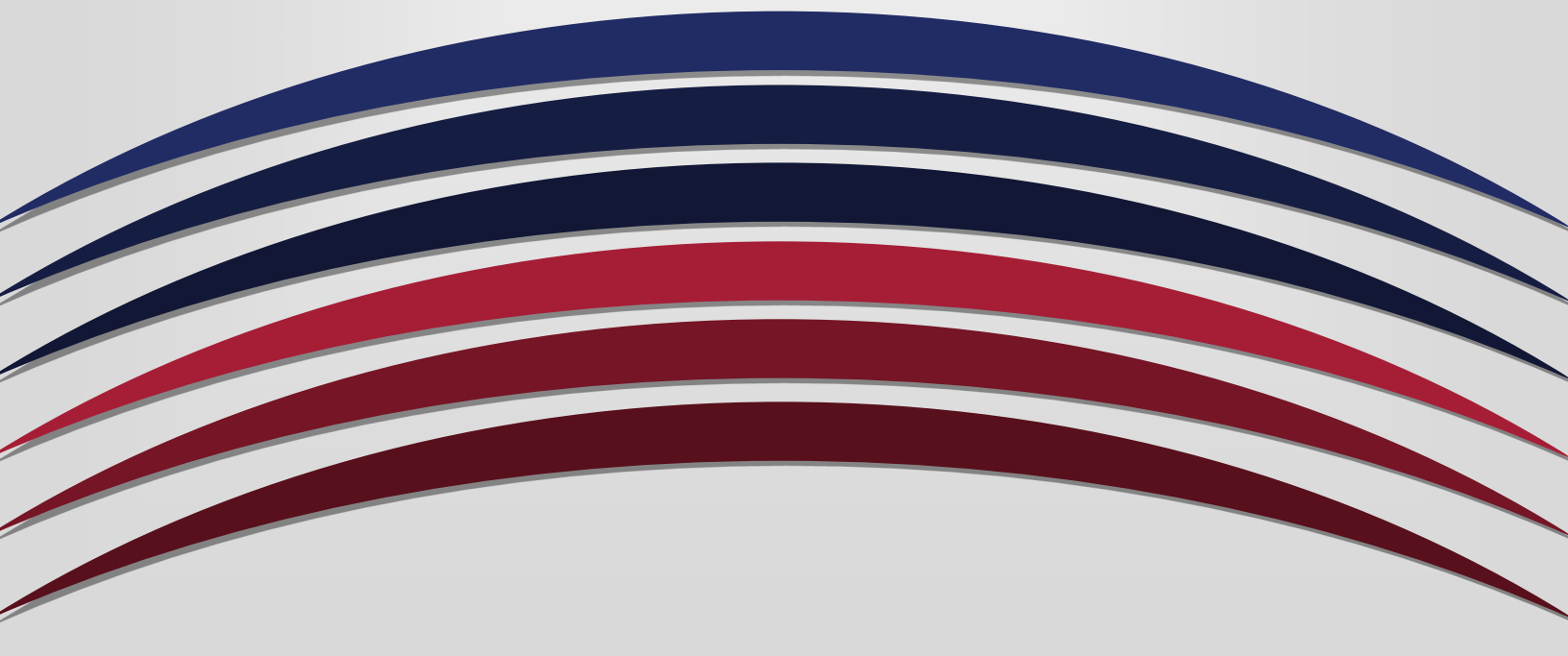




UNIVERSITY OF ARKANSAS  
**PULASKI TECH**

**Course-Level Assessment Report**  
**Course: MATH 2406 Calculus III**  
**Academic Year: 2021-2022**

**Due to Chair/Program Director and Faculty Assessment Chair by  
September 1**



1. Name of course: MATH 2406 Calculus III
2. Name of individual(s) compiling report: Shannon Vaughn
3. Date of submission: 9/12/2022
4. Academic year: 2021-2022

## Course-Level Learning Outcomes

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

- a. Understand and apply two-dimensional and three-dimensional vector-valued functions.
- b. Understand and apply functions of several variables.
- c. Understand and apply partial derivatives.
- d. Understand and apply multiple integration.
- e. Understand and apply line and surface integrals.
- f. Understand and apply vectors.
- g. Understand and apply calculus of vector-valued functions.

### 2. Which CLOs were addressed for the academic year?

All except e.

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

All seven.

4. How does this report connect or map to program-level or institutional-level outcomes?

(ILO link: <https://uaptc.edu/college-academics/resources/student-learning-outcomes>

PLO list will vary depending on your Program.)

Type your response here.

For each Course Level Outcome assessed this academic year, please complete the chart below, providing the assessment data for both fall and spring, and then a total for the academic year.

Assessment Methods- How did you assess student learning (define direct assessment methods used) in relation to the course level outcome being reported?	<i>Students across all sections completed a common comprehensive final exam. Questions were linked to specific course learning outcomes. Item analysis was performed to determine proficiency.</i>	
<i>Note: If more than one assessment method was used, you may insert an additional row.</i>		
Were indirect assessment methods also used to assess students? If 'yes', please describe the method used.		<b>No</b>
How do you define success for an individual student on the CLO assessment assignment or measure?	<i>Student scores 70% on the questions linked to the CLO</i>	
How do you define success for the course level outcome? What is the benchmark for the Course Level Outcome?	<i>70% of students in the course achieve success on the CLO assessment assignment or measure</i>	

How many students completed the assessment, and how many were successful?	<i>Fall</i>	<i>Spring</i> 2 students assessed 2 successful (100% success rate)
Academic Year Total (add the numbers from Fall and Spring)	2 students assessed 2 successful (100% success rate)	
Was the benchmark/goal for this academic year met?	Yes	
Were standardized rubrics, tests, or checklists used?	Yes	

5. What is your analysis of the findings?

The goal was met for all the CLOs evaluated. I did not cover the topic for line and surface integrals.

6. What is the action plan for the upcoming academic year?

Explain.

We will continue with the same type assessment.