

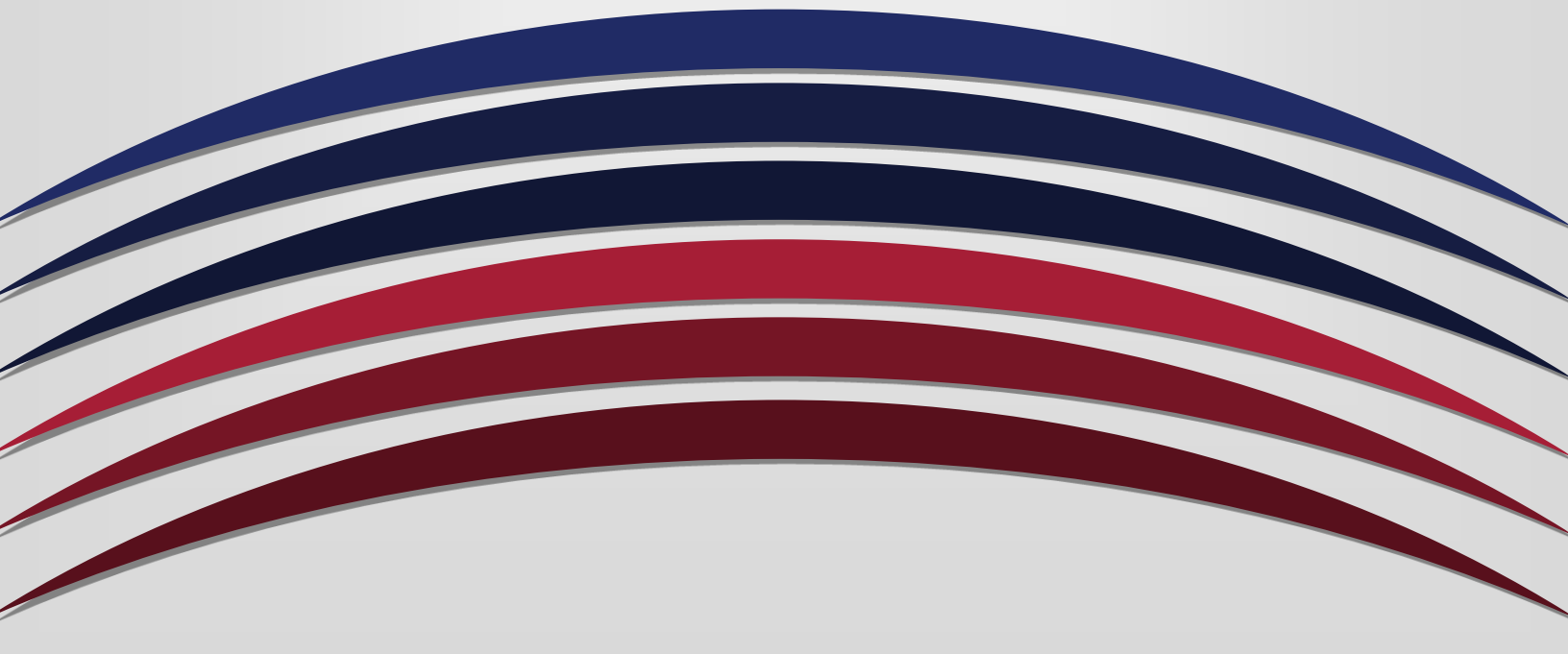
UNIVERSITY OF ARKANSAS  
**PULASKI TECH**

**Course-Level Assessment Report**

**Course: MATH 0100**

**Academic Year: 2021-2022**

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



1. Name of course: Mathematical Reasoning Support
2. Name of individual(s) compiling report: Jonathan Russ
3. Date of submission: September 1, 2022
4. Academic year: 2021-2022

## Course-Level Learning Outcomes

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

1. CLO #1 The student will perform arithmetic operations, as well as reason and draw conclusions from numerical information.
2. CLO #2 The student will demonstrate an understanding of the symbolic language inherent in a mathematical formula/function and use it to obtain meaningful numerical information.

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

All were addressed.

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

All were addressed.

### 5. 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>)

## Program Learning Outcomes

PLO #1: Students will demonstrate the ability to use symbolic, graphical, numerical and written

representations of mathematical ideas.

PLO #2: Students will use mathematical reasoning and, when appropriate, a general problem solving process to solve problems.

PLO #3: Students will learn mathematics through modeling real-world situations.

PLO #4: Students will use appropriate technology to enhance their mathematical thinking and understanding, solve mathematical problems, and judge the reasonableness of their results.

CLO#1 ties into PLO#1 which ties into ILO#6

CLO#2 ties into PLO#2 which ties into ILO#2,6

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.

<p>Assessment Methods- How did you assess student learning (define direct assessment methods used) in relation to the course level outcome being reported?</p> <p><i>Note: If more than one assessment method was used, you may insert an additional row.</i></p>	<p>It is direct. An assessment quiz is administered at the completion of the semester. It does comprise part of the student's grade so that the students are motivated to score as high as possible. This ensures the quiz's integrity in assessing the CLOs. It contains 6 questions that are directly related to both of the CLOs for the course.</p>	
<p>Were indirect assessment methods also used to assess students? If 'yes', please describe the method used.</p>	<p><b>Yes</b></p>	<p><b>No</b> <i>No indirect assessment methods were used.</i></p>
<p>How do you define success for an individual student on the CLO assessment assignment or measure?</p>	<p>The department's agreed upon threshold is 70% for each of the learning objectives.</p>	

How do you define success for the course level outcome? What is the benchmark for the Course Level Outcome?	The department's agreed upon threshold is 70% for each of the learning objectives.	
How many students completed the assessment, and how many were successful?	<b>Fall</b> 125 students assessed 108 successful (86% success rate)	<b>Spring</b> 77 students assessed 70 successful (91% success rate)
Academic Year Total (add the numbers from Fall and Spring)	202 students assessed 178 successful (88% success rate)	
Was the benchmark/goal for this academic year met?	Yes	
Were standardized rubrics, tests, or checklists used?	Yes	

## 6. What is your analysis of the findings?

CLO #1 was achieved at 93.8% for Fall 2021 and 96.1% for Spring 2022.

CLO #2 was achieved at 71.6% for Fall 2021 and 80.5% for Spring 2022.

CLO #1 has held steady for Spring 2020, Fall 2020, Spring 2021, Fall 2021, and Spring 2022 at roughly 93%. This is very pleasing. In fact, Spring 2022 had the highest yet at 96.1%

CLO #2 has also held relatively steady. It dropped to 71.6% from around 77% in the Fall of 2021 but rebounded to 80.5% in Spring 2022.

Although the proficiency of CLO #2 isn't as high as CLO #1, it is, however, acceptable according to our department's threshold. More than three out of four students are demonstrating proficiency.

	Fall 2021	Spring 2022
CLO 1	93.8%	96.1%
CLO 2	71.6%	80.5%

## 7. What is the action plan for the upcoming academic year?

### Explain.

As both CLO's are being achieved at the department's agreed upon percentage, no further action is being discussed for the next academic year. However, as we continue to have course level meetings, it may be deemed necessary to address how to achieve greater proficiency concerning CLO #2.