



UNIVERSITY OF ARKANSAS
PULASKI TECH

Course-Level Assessment Report

Course: MATH 0100

Academic Year: 2020-21

**Due to Chair/Program Director and Faculty Assessment Chair by
September 4**



1. Name of course: MATH 0100 Mathematical Reasoning Support
2. Name of individual(s) compiling report: Jonathan Russ
3. Date of submission: September 3, 2021
4. Academic year: 2020-2021

Course-Level Learning Outcomes

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

CLO #1 The student will perform arithmetic operations, as well as reason and draw conclusions from numerical information.

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.

2. Which CLOs were addressed for the academic year?

All were addressed.

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

All were addressed.

4. Explain the assessment cycle.

Toward the end of the semester students are given an assessment quiz that contains questions related to each of the two CLOs. The results are tabulated and a discussion occurs with the course level instructors to analyze the results. Decisions are made only after thorough discussions and validity of results analyzed in more than one semester to ensure consistency.

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

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.

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

The department's agreed upon threshold is 70% for each of the learning objectives.

7. What were the findings for the academic year?

CLO #1 was achieved at 93.2% for Fall 2020 and 93.8% for Spring 2021.

CLO #2 was achieved at 77.8% for Fall 2020 and 77.1% for Spring 2021.

8. What is your analysis of the findings?

CLO #1 has held steady for Spring 2020, Fall 2020, and Spring 2021 at roughly 93%. This is very pleasing.

CLO #2 has also held steady within a percentage point around 77% from Spring 2020 until Spring 2021.

The decreased proficiency in attaining CLO #2 is not surprising as it involves some critical thinking. Critical thinking is difficult to teach. Although the proficiency of CLO #2 isn't as high as CLO #1, it is, however, acceptable according to our department's threshold. Slightly more than three out of four students are demonstrating proficiency.

	Fall 2020	Spring 2021
CLO 1	93.2%	93.8%
CLO 2	77.8%	77.1%

9. 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.