UNIVERSITY OF ARKANSAS
PULASKI TECH

Assessment Report:
2019-2020:
MATH 0100 Mathematical Reasoning Support

1. Name of individual compiling report: *Jonathan Russ*

2. Date of submission: *August 30, 2020*

3. Is the assessment plan (*Check or highlight one*)

☐ 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)?

We use Student Learning Outcomes in place of CLOs.

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

SLO #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 this academic year? (2019-2020)

SLO #1 and SLO #2 were addressed.

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

SLO #1 and SLO #2 will be 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 SLOs. 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?

As stated previously, 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 SLOs. It contains 6 questions that are directly related to both of the SLOs for the course.

6. What are the assessment goal(s)?

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

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

SLO #1 was achieved at 87.7% for Fall 2019 and 91.9% for Spring 2020.
SLO #2 was achieved at 81.5% for Fall 2019 and 76.6% for Spring 2020.

8. What is your analysis of the findings?

The students are consistently achieving SLO#1 tied to arithmetic operations but are not as consistent in knowing which mathematical formula/function to use in solving financial problems relating to SLO#2. However, SLO#2 was achieved for both semesters during the academic year. This is in contrast to the previous academic year. Three quizzes were added to help reinforce the skills needed to meet SLO#2 and appears to have been a successful strategy.

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

As both SLO's are being achieved at the department's agreed upon percentage, no further action is being discussed for the next academic year. However, as the objectives continue to be met, it may become pertinent to develop another method for assessing the stated SLO's.

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