



UNIVERSITY OF ARKANSAS
PULASKI TECH

Assessment Report:
2018-2019

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



Course-Level Learning Outcomes

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

We use Student Learning Outcomes (SLOs).

SLO #1: Students will be able to demonstrate algebraic skills in solving linear equations and inequalities.

SLO #2: Students will be able to graph and write linear equations using multiple methods.

SLO #3: Students will be able to find the slope and y-intercept of a line using the slope-intercept form of an equation.

SLO #4: Students will be able to simplify exponential and polynomial expressions.

SLO #5: Students will be able to factor and simplify polynomial and rational expressions.

2. Which CLOs were addressed for this academic year? (2018-2019)

All Student Learning Outcomes were addressed during the academic year 2018 – 2019.

3. Which CLOs are being addressed in your assessment plan next academic year? (2019-2020)

All Student Learning Outcomes will be addressed in our assessment plan during the 2019 – 2020 academic year.

4. Explain the assessment cycle.

Students in the course are given a common final exam at the conclusion of each semester to ensure mastery of the student learning outcomes for the course. 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. Discussions with the Foundations of Algebra instructors also occur periodically to ensure the course is meeting the needs of students within those disciplines as is the intention of the course.

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

The assessment for this course is a direct measure using a common final exam for all sections and students in the course during each semester. The final exam is a paper/pencil assessment given in a proctored environment to ensure the integrity of the assessment.

6. What are the assessment goal(s)?

To ensure mastery within the course, our goal is a 70% threshold for each student learning outcome. This may be raised in future semesters once we have established a baseline for the course.

7. What were the findings for this academic year? (2018-2019)

Linear Equations/Inequalities (SLO 1)

In the fall semester the students met their threshold at 79.23%

In the spring the students met their threshold at 72.83% This is a decrease of 6.4%

Graphing (SLO 2) Students will be able to graph and write linear equations using multiple methods.

In the fall semester we did not meet our threshold of 70%, we ended the semester with a 67.52%

In the spring we came close to making our threshold with a 69.57%

Slope-Intercept (SLO 3) Students will be able to find the slope and y-intercept of a line using the slope-intercept form of an equation.

In the fall semester the students met their threshold at 71.28%

In the spring the students met their threshold at 74.78%

Exponents and Polynomials (SLO 4) Students will be able to simplify exponential and polynomial expressions.

In the fall semester the students met their threshold at 70.35%

In the spring the students met their threshold at 82.17%

Factoring (SLO 5) Students will be able to factor and simplify polynomial and rational expressions.

In the fall semester the students met their threshold at 74.73%

In the spring the students met their threshold at 71.74%

8. What is your analysis of the findings?

Our analysis of the findings is that the students that attended throughout the year and took the final did well and met almost all of the assessment goals presented in the final exam.

9. What is the action plan for the next academic year? (2019-2020) Explain.

Linear Equations/Inequalities (SLO 1)

Action The students met the 70% criteria. We will continue to monitor the progress of the students.

The math department has requested that an hour of lab time be added to this course to monitor and help students. (01/18/2019) (Fall 2019 our request was honored. We have added an hour of lab time to this course. Our hope is that the additional time will help with our success rates.)

Graphing (SLO 2) Students will be able to graph and write linear equations using multiple methods.

Action We will give more focus on this objective by using technology (graphing calculators), computer and quick assessments along the way.

The math department has requested that an hour of lab time be added to this course to monitor and help students. (01/18/2019) (Fall 2019 our request was honored. We have added an hour of lab time to this course. Our hope is that the additional time will help with our success rates.)

Slope-Intercept (SLO 3) Students will be able to find the slope and y-intercept of a line using the slope-intercept form of an equation.

Action This objective saw an increase but we will meet as a team and discuss our outcome.

We will strive to have a higher increase in the fall. (05/15/2019) Our first meeting as a team will be September 13th and this will be discussed then.

Exponents and Polynomials (SLO 4) Students will be able to simplify exponential and polynomial expressions.

Action Although we made the criteria we will continue to monitor the students.

We will put emphasis on this objective in an effort to raise the percentage by wrapping these types of questions into our quizzes and tests.

The math department has requested that an hour of lab time be added to this course to monitor and help students. (01/18/2019) (Fall 2019 our request was honored. We have added an hour of lab time to this course. Our hope is that the additional time will help with our success rates.)

Factoring (SLO 5) Students will be able to factor and simplify polynomial and rational expressions.

Action The students met the 70% criteria. We will continue to monitor the progress of the students.

The math department has requested that an hour of lab time be added to this course to monitor and help students. (01/18/2019) (Fall 2019 our request was honored. We have added an hour of lab time to this course. Our hope is that the additional time will help with our success rates.)