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)?

a. Basic Function Operations: The student will demonstrate the ability to perform and solve basic function operations and algebraic problems using appropriate vocabulary.
b. Critical Thinking: The student will demonstrate critical thinking to formulate decisions and problem solving based on reasoning and analysis.
c. Technology Use: The student will demonstrate the appropriate use of technology to supplement and enhance conceptual understanding, visualization and inquiry.
d. Synthesize Information: The student will demonstrate the ability to synthesize information from a variety of sources to solve problems and interpret results.
e. Absolute Values: The student will demonstrate a basic understanding of functions including absolute values.
f. Quadratic: The student will demonstrate a basic understanding of functions including quadratics.
g. Polynomials: The student will demonstrate a basic understanding of functions including polynomial.
h. Rational: The student will demonstrate a basic understanding of functions including rational.
i. Logarithmic: The student will demonstrate a basic understanding of functions including logarithmic.
j. Exponential: The student will demonstrate a basic understanding of functions including exponential.
k. Inequalities: The student will demonstrate a basic understanding of functions including graphing of inequalities and quadratic inequalities.
l. Systems of Equations: The student will demonstrate a basic understanding of the applications of systems of equations.
m. Matrices: The student will demonstrate an understanding of matrices.

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

All CLOs were addressed.

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

All CLOs are being addressed in the assessment plan for next year.

4. Explain the assessment cycle.

Our assessment cycle is to administer a comprehensive final to all students. We then evaluate the results and adjust the course according to our findings.

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

Two hour, multiple choice, comprehensive, paper/ pencil final exam. It is direct.

6. What are the assessment goal(s)?

Our assessment goal is for there to be a 70% threshold met for each learning outcome.

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

The 70% threshold has been met the last 2 assessment cycles for all learning outcomes except outcomes Synthesize Information and Inequalities.

8. What is your analysis of the findings?

Our analysis of the findings is that the students who 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.

CLO 1:

Action This course outcome will continue to be monitored in future semesters and modifications will be made when necessary. (05/16/2019)

CLO 2: **Action** This course outcome will continue to be monitored in future semesters and modifications will be made when necessary. (05/16/2019)

CLO 3: **Action** The results for this course outcome were good. This course outcome will continue to be monitored in future semesters and modifications will be made when necessary. (05/16/2019)

CLO 4: **Action** Question 7 on the Final Exam is the question causing the threshold to be missed. It is a word problem involving a ladder and requires the use of the Pythagorean Theorem. It is one of the most challenging problems on the final exam. This type of problem should be thoroughly discussed when first taught as well as during the final exam review. This course outcome will continue to be monitored in future semesters and modifications will be made when necessary. (05/16/2019)

CLO 5: **Action** The results for this course outcome were good. This course outcome will continue to be monitored in future semesters and modifications will be made when necessary. (05/16/2019)

CLO 6: **Action** The results for this course outcome were good. This course outcome will continue to be monitored in future semesters and modifications will be made when necessary. (05/16/2019)

CLO 7: **Action** The results for this course outcome were good. This course outcome will continue to be monitored in future semesters and modifications will be made when necessary. (05/16/2019)

CLO 8: **Action** The results for this course outcome were good. This course outcome will continue to be monitored in future semesters and modifications will be made when necessary. (05/16/2019)

CLO 9: **Action** The results for this course outcome were good. This course outcome will continue to be monitored in future semesters and modifications will be made when necessary. (05/16/2019)

CLO 10: **Action** The results for this course outcome were good. This course outcome will continue to be monitored in future semesters and modifications will be made when necessary. (05/16/2019)

CLO 11: **Action** This course outcome will continue to be monitored in future semesters and modifications will be made when necessary. (05/16/2019)

CLO 12: This course outcome was not assessed on the Spring 2019 Final Exam. The final exam was prepared before this reporting system was implemented during the Fall 2018 semester. Beginning with the Fall 2019 Final Exam, Question #9 on the final exam will be replaced with a word problem question on systems of equations which will be tied to this course outcome. (05/16/2019)

CLO 13: **Action** This course outcome was not assessed on the Spring 2019 Final Exam. The final exam was prepared before this reporting system was implemented during the Fall 2018 semester. Beginning with the Fall 2019 Final Exam, Question #4 on the final exam will be replaced with a matrix problem which will be tied to this course outcome. (05/16/2019)