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)?

1. Demonstrate use of proving techniques.
2. Use of symbolic arguments for the construction of truth tables.
3. Demonstrate knowledge of set concepts.
4. Demonstrate the ability to identify terms of a sequence.
5. Demonstrate the computation of sums and products.
6. Demonstrate calculation of combinatorics.
7. Use the properties and theorems of functions.

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

All of them

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

All of them

4. Explain the assessment cycle.

We identified the CLOs to assess. We used the final exam to assess the CLOs. We meet as Discrete Math faculty to review the assessment results and determine strategies to improve low-scoring CLOs. Repeat.

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

We directly assess using the final exam with problems linked to specific CLOs.

6. What are the assessment goal(s)?

We set our success goal at 70% for each CLO.

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

CLO 1 had 69% success in Spring '19.
CLO 2 had 67% success in Fall '18 and 100% in Spring '19.
CLO 3 had 64% success in Fall '18 and 95% in Spring '19.
CLO 4 had 52% success in Fall '18 and 83% in Spring '19.
CLO 5 had 56% success in Fall '18 and 63% in Spring '19.
CLO 6 had 60% success in Fall '18 and 50% in Spring '19.
CLO 7 had 61% success in Fall '18 and 25% in Spring '19.

8. What is your analysis of the findings?

We did well on CLOs 1-4. We were below expectations on CLOs 5-7.

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

We are monitoring our progress in each area. We plan to give more emphasis to calculating sums and products and computations in combinatorics. We will emphasize using the calculator and other technology in class.