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. Develop an understanding of trigonometric functions.
2. Use trigonometric relations in solving problems including circular motion.
3. Develop an understanding of complex numbers and their trigonometric representation.
4. Use appropriate technology
5. Demonstrate an understanding of trigonometric identities, equations, and applications.

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 Trigonometry 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 58% success in Fall '18 and 83% in Spring '19.
CLO 2 had 61% success in Fall '18 and 71% in Spring '19.
CLO 3 had 58% success in Fall '18 and 69% in Spring '19.
CLO 4 had 79% success in Fall '18 and 65% in Spring '19.
CLO 5 had 48% success in Fall '18 and 62% in Spring '19.

8. What is your analysis of the findings?

We changed the final exam for Spring '19, which made it easier to assess the learning outcomes. We had improvement in all areas except CLO 4, which has to do with using technology.

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 converting between rectangular and trigonometric form for complex numbers. We will emphasize using the calculator and other technology in class.

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