UNIVERSITY OF ARKANSAS
PULASKI TECH

Assessment Report:
2019-2020
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: The student will understand and apply the following integration techniques:

a. Integration by parts
b. Trigonometric and substitutions
c. Integration of rational functions using partial functions

SLO #2: The student will be able to perform applications of integration.
SLO #3: The student will understand and apply improper integrals.
SLO #4: The student will understand and apply sequence and infinite series including:

a. Convergence test
b. Taylor Series
c. Radius of Convergence

2. Which CLOs were addressed for this academic year? (2019-2020)

SLO # 1: The student will understand and apply the following integration techniques:

d. Integration by parts
e. Trigonometric and substitutions
f. Integration of rational functions using partial functions

SLO #2: The student will be able to perform applications of integration.
SLO #3: The student will understand and apply improper integrals.
SLO #4: The student will understand and apply sequence and infinite series including:

d. Convergence test
e. Taylor Series
f. Radius of Convergence

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

SLO # 1: The student will understand and apply the following integration techniques:

g. Integration by parts
h. Trigonometric and substitutions
i. Integration of rational functions using partial functions

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SLO #2: The student will be able to perform applications of integration.
SLO #3: The student will understand and apply improper integrals.
SLO #4: The student will understand and apply sequence and infinite series including:

g. Convergence test
h. Taylor Series
i. Radius of Convergence

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.

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. Due to Covid – 19 pandemic the assessment was given online.

6. What are the assessment goal(s)?

To ensure mastery within the course, our goal is a 70% threshold for each student learning outcomes. 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? (2019-2020)

Three out of four student learning outcome were met in the fall 2019 and all student learning outcomes were met and exceeded the threshold in the spring 2020.

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8. What is your analysis of the findings?

The results show that there was substantial improvement going from fall 2019 to spring 2020. However, the way in which the assessment is conduct was different due to the school being closed in the spring 2020, the assessment was given online where is less supervision as. We also saw a big withdraw rate in the spring 2020 which can attribute to the uncertainty that were cause by the pandemic and student not wanting to take the course in online format.

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

We will continue to assess all student learning outcome in the academic year 2020 – 2021. We keep monitoring all areas that we think need improvement.

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