

## STUDENT LEARNING OUTCOMES

Merit University measures and evaluates student learning outcomes to validate and confirm overall program and campus effectiveness. Various assessments are used to measure student learning outcomes such as GPA achievement of the program, GPA achievement of capstone courses, pre and post-tests of individual courses, and other information including a summary of course completion data (i.e., objectives achieved, competencies acquired).

### PRE AND POST-TESTS

Faculty members prepare an assessment to be used as a pre-test at the beginning of the quarter and administered as a post-test at the end of the quarter, to determine the level of knowledge or familiarity students have with the course content. These tests were developed according to the course learning objectives. The results are submitted to the registrar at the end of the quarter to measure student learning outcomes.

The goal for the 2025 pre and post-tests was to achieve a difference greater than 20.0. Students' improvements between pre and post-tests are shown in Table 8d.

**Table 8d. Pre- and Post-tests Results**

Subject	2023	2024	2025
Pre-tests	36.25	46.94	41.97
Post-tests	81.75	89.11	76.45
Difference of pre and post-tests	45.50	42.17	34.48

*Note: Reporting period is from January 2023 to December 2025.*

The average pre-test score of the courses offered in 2023 was 36.25 out of 100.00, and the average post-test score was 81.75 out of 100.00. The difference between the pre- and the post-tests was 45.50. This difference shows a significant improvement in student learning outcomes.

In the 2024 data, the average pre-test was 46.94 out of 100.00, and the average post-test was 89.11. The difference between pre- and post-tests was 42.17. The difference exceeded 20, which is the goal of the difference between pre and post-test for the year 2024.

In the 2025 data, the average pre-test was 41.97 out of 100.00, and the average post-test was 76.45. The difference between pre and post-tests was 34.48. This difference shows a significant improvement in student learning outcomes.

The goal for 2025 for pre and post-test in student learning outcomes has been met. These pre- and post-tests are prepared and updated each quarter in alignment with the course objectives.

## **STUDENT LEARNING OUTCOMES ACTION PLAN**

The AP Committee recommends faculty review collected pre- and post-tests analysis for the improved student learning outcome assessments. The difference of pre and post-tests for 2025 maintains above 40.00.

The AP Committee suggests that faculty develop additional courses and programs by reviewing and analyzing the results of pre- and post-tests.

The AP Committee also advises the faculty to search for additional assessment tools to measure student learning outcomes.