

Direct: Pre and Post-tests Results

Merit University measures and evaluates student learning outcomes to validate and confirm overall program and educational effectiveness. Various assessments are used to measure student learning outcomes such as tracking and analysis of GPA achievement of students in the program, the achievement of objectives 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.

Students' improvements between pre and post-tests are shown in the table below.

Pre and Post-tests Results

Subject	2020	2021	2022
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 2020 to September 2022.

In the 2022 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.