

Performance of College Students in Calculus: An Institutional Study

Ma. Theresa F. Pescador

University of Northern Philippines, Vigan City, Philippines

Email: mathess26@yahoo.com.ph

ABSTRACT

Purpose - This study investigated the effect of attitude towards students' performance in Calculus.

Methodology - The researchers used the descriptive method of research. Students who have recently finished their Calculus I and II, in the university and prior to the conduct of the survey, was the common parameter used in identifying the respondents. A 50-item achievement test measured the performance of the BS Civil Engineering, Geodetic Engineering, Sanitary Engineering and Mathematics students in calculus and the Fenemma-Sherman Attitude Scale measured the students' attitude towards Calculus. Sex, course, final grade in College Algebra and final grade in Trigonometry were correlated to students' attitude and performance in Calculus.

Findings - Results indicated that only the BS Civil Engineering students' performance in Calculus is "Satisfactory". Also students' attitude is not significantly related to their level of performance in Calculus. This may imply that there are other predictors of better performance in Calculus.

Significance – Findings will help formulate future actions that may bring improvement in the performance of students in Calculus.

Keywords: Calculus, Attitude, Performance, Learning Outcome