

Rationale and Description for Scholarship & Research

EDTC 803: Data Analysis and Report Writing

With this course, the doctoral student learns about data, its management and its analysis. There is a proper method to present a report that facilitates how it is read and that simplifies how it is understood. As the doctoral student acquires knowledge on primary and secondary data, breaks down graphics, and researches interpretive methodologies, he/she creates pictographs of data using a variety of technological tools. Through the various visual forms that data may take, there is a deeper understanding of its value and application.

EDTC 806: Research Methods in Educational Technology

With this course, the doctoral student learns the research methods such as quantitative, qualitative, and mixed methods. The understanding of how data should be gathered, analyzed, and applied is foundational in investigative studies. Quantitative, qualitative, and mixed methods vary with their purposes. A research topic that fits a qualitative approach may not fall too well with a quantitative approach. Therefore, as the doctoral student works on the plan of a research project, there must be a determination of the appropriate method that would facilitate an accurate result. Through practical investigations of each one of these approaches, the doctoral student is being prepared to delve into research and its techniques.