

University of Pretoria Yearbook 2021

Educational research methodology 734 (NMQ 734)

Qualification Postgraduate

Faculty [Faculty of Education](#)

Module credits 16.00

NQF Level 08

Programmes [BEdHons Computer-integrated Education \(Distance Education\)](#)

[BEdHons Education Management, Law and Policy \(Distance Education\)](#)

[BEdHons Learning Support \(Distance Education\)](#)

Language of tuition Module is presented in English

Department Science Mathematics and Technology Education

Period of presentation Semester 1 or Semester 2

Module content

The nature of educational enquiry: contexts of research, research ethics, truth, rationality, subjectivity and objectivity; Quantitative and qualitative modes of enquiry, research designs and data collection techniques. Various approaches to qualitative research including case study research, historical research, ethnographic research, and action research. Basic concepts and principles of quantitative research. Statistical techniques in the educational research process. Survey methodology and questionnaire design. Classification and graphical representation of data. Descriptive measures. Statistical inference. Data-processing procedures. Parametric versus non-parametric tests. Some test statistics (e.g. F-Test and T-test). Formulating a research methodology for a limited project.

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