

University of Pretoria Yearbook 2022

Educational research methodology 734 (NMQ 734)

Qualification	Postgraduate
Faculty	Faculty of Education
Module credits	16.00
NQF Level	08
Programmes	BEdHons (Education Management, Law and Policy) (Distance Education) BEdHons Computer-integrated Education (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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