

University of Pretoria Yearbook 2016

Educational research methodology 745 (NMQ 745)

Qualification Postgraduate

Faculty Faculty of Education

Module credits 16.00

Programmes BEd Hons Assessment and Quality Assurance in Education and Training

BEd Hons Computer-integrated Education

BEd Hons Education Management, Law and Policy

BEd Hons Educational Psychology

BEd Hons Learning Support

BEdHons General

BEdHons Life Sciences Education

BEdHons Mathematics Education

BEdHons Physical Sciences Education

BEdHons Teacher Education and Professional Development

BEdHons Technology Education

Language of tuition Both Afr and Eng

Academic organisation Education Dean's Office

Period of presentation Semester 1

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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