



# 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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