University of Pretoria Yearbook 2022

BEdHons *Computer-integrated Education* (Distance Education) (09240052)

Department	Science, Mathematics and Technology Education
Minimum duration of study	2 years
Total credits	128
NQF level	08

Programme information

It is not possible to meet the training needs of teaching staff in South Africa through contact tuition only. Therefore, the Faculty of Education has been offering programmes in a distance education delivery mode for a number of years. To ensure that distance education students can depend on the same quality academic programmes and levels of service quality as contact students, a Unit for Distance Education has been established in the Faculty to manage the distance programmes of the Faculty.

This is a paper-based programme-, supported by academic contact sessions and is presented in a distance education mode.

Admission requirements

1. Relevant bachelor's degree and a relevant Teacher's Diploma (e.g. BA + HED) **or** relevant bachelor's degree and a Postgraduate Certificate in Education **or** relevant four-year bachelor's degree in Education (e.g. BEd) **or** relevant M+4 Teacher's Diploma and relevant Advanced Diploma in Education.

Other programme-specific information

The learning materials are available only in English.

General requirements
Students must complete and submit at least two assignments per module. These assignments are support mechanisms for students in their studies. Assignments are compulsory and contribute 30% towards the final mark. If a student failed the examination in a module twice, the student will be de-registered for that module and will have to reregister for the module. A student who reregisters for a module has to pay the full tuition fees for that module again, and will have to resubmit both assignments 1 and 2. Assignment marks obtained previously will not be carried over. A student in the honours programme may only reregister for a module once. If a student does not pass the module after the second registration, he/she will be de-registered from the whole programme, and will not be allowed to continue his/her studies for this degree at the University of Pretoria. (Also consult General Academic Regulation G18.)

Examinations and pass requirements

Examinations take place twice a year (during April and October) at examination centres countrywide. Students must register for examinations as stipulated under faculty-specific regulations.
A final mark of at least 50% is required to pass a module. The final mark is calculated by using the following three marks: assignment 1 = 10%; assignment 2 = 20% and the examination/project = 70%.

Research information

A research project is compulsory, and must be prepared according to the requirements of the specific department and submitted for assessment. Both assignments for the project are compulsory. The project will contribute 70% towards the final mark.

Pass with distinction

The degree is conferred with distinction on a student who has obtained an average of at least 75%, with a minimum of 70% in each module (no rounding).

Curriculum: Block 1

Minimum credits: 16

Core modules

Philosophy and social imperatives of education 733 (EDS 733)

Module credits	16.00
NQF Level	08
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Semester 1

Module content

Meta-theories in education. Empiricism; rational empiricism; critical rationalism; critical theory; phenomenology; hermeneutics; system theory; philosophies in education: traditional philosophies; indigenous (African) philosophies. The influence of modernism and postmodernism on education. Sociological imperatives for education. Theories of societal change and roles and values of education. Comparative perspectives on learning theories and their meaning for education.

Educational research methodology 734 (NMQ 734)

Module credits	16.00
NQF Level	08
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.

Curriculum: Block 2

Minimum credits: 16

Core modules

Assessment approaches and instruments 733 (API 733)

Module credits	16.00
NQF Level	08
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Foundations, principles and ethics of assessment practices. International trends. Quantitative and qualitative modes of assessment and appropriate instruments. Generating evidence for assessment. Assessment and quality assurance. Techniques of computer-based assessment.

Curriculum development 733 (CDD 733)

Module credits	16.00
NQF Level	08
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

Principles and foundations of curriculum/programme design and development. International and national models and trends in curriculum/programme development. Principles of outcomes-based programming in the SAQA context. Curriculum development models and instruments in action. Situation and task analysis needs assessment. Development. Dissemination. Implementation as a change process. Assessment and evaluation.

Curriculum: Block 3

Minimum credits: 16

Core modules

Instructional Tools and e-learning 733 (CTM 733)

Module credits	16.00
NQF Level	08
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

The purpose of this module is to enable the candidate to master computer-integrated techniques pertaining to instructional tools and multimedia in education and training.

Research proposal 735 (NMQ 735)

Module credits	16.00
NQF Level	08
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 1

Module content

Guided literature research, formulation of a conceptual framework and development of a research proposal for a supervised research project of limited scope.

Curriculum: Block 4

Minimum credits: 16

Core modules

Research report 781 (CIE 781)

Module credits	16.00
NQF Level	08
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

Supervised research project of limited scope. Use of qualitative and/or qualitative and or quantitative methods. Writing a short report.

Computers as cognitive tools 733 (CIT 733)

Module credits	16.00
NQF Level	08
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

The purpose of this module is to enable the candidate to master computer-integrated techniques pertaining to cognitive tools.