Advanced certificates

Programme Leader: Associate Professor R F Siebörger

Advanced Certificates in Education (ACE) (120-130 NQF credits)

The Advanced Certificate in Education is a one-year qualification usually offered part-time over a two-year period. ACEs are offered in either Adult Education or Continuing Professional Teacher Development.

Minimum requirements for readmission:
1. Except by permission of the Senate, a part-time student shall not be permitted to renew his/her registration in the Faculty unless he/she has passed:
   (a) by the end of the second year of registration, two semester courses or equivalent qualifying for the certificate;
   (b) by the end of the third year of registration, six semester courses or equivalent qualifying for the certificate.
2. Except by permission of the Senate, a full-time student shall not be permitted to renew his/her registration in the Faculty unless he/she has passed by the end of the first year of registration two semester courses or equivalent qualifying for the certificate.
3. A candidate who fails to pass a course after two years of study will be excluded from further registration for such a course.

Award of the certificate:
(a) A candidate must pass each course within his/her curriculum to be awarded the certificate.
(b) The certificate may be awarded with distinction where (i) an overall average result of at least 75% is obtained AND (ii) a minimum grade of 65% in each course of the certificate is obtained.

1. Adult Education

1.1 ACE in Adult Education
(Formerly Advanced Diploma for Educators of Adults)
(Not offered in 2014)

Convener: Dr S Ismail.

Introduction:
This specialisation is not offered by correspondence. Participants need to be resident in the Cape Town area and able to attend all the classes.

The scope of Adult Education:
The range of work done by educators of adults is very wide. It includes development projects, workplace training, teaching in tertiary institutions, adult basic education and training (including literacy), teaching at adult education centres, art colleges, human resource development, health education, religious education, further education and training colleges, and educational programmes based in libraries and museums. An adult educator is any person with a responsibility for helping adults to learn, whether in formal or non-formal situations.

General aims of the course:
The course aims:
(1) to develop a theoretical grasp of educational practice. This includes the purposes and contexts of adult education, particularly in a South African setting;
(2) to develop knowledge and skills that will enable students to enhance their own learning and their practice in adult education;
(3) to provide the opportunity for students to build a curriculum most suited to their needs and interests.

Admission requirements:
A candidate is required to be:
(a) A graduate of this University or of another university recognised by Senate;
OR
(b) A person who holds a full-time, three-year post-Matriculation qualification approved by Senate for the purpose;
OR
(c) A graduate of the Diploma in Education of this University;
OR
(d) A person who by means of such assessment as may be prescribed by the Faculty Board satisfies Senate that he or she has attained a level of competence which, in Senate's opinion, is adequate for admission to the programme.

Times of classes:
Classes will be held on Wednesdays during University terms from 15h00-18h00, or at any other time determined by the Department. Additional Saturday workshops may be required, but no more than 3 per year.

Compulsory (core) courses:

| First year | EDN3000F | Adult Learning and Teaching | 24 | 6 |
| Second year | EDN3001S | Professional and Policy Studies | 24 | 6 |
| Second year | EDN4184F | Adult Education and Development (*Not offered in 2014*) | 24 | 6 |
| Second year | EDN4185F | Adult Education and the Workplace (*Not offered in 2014*) | 24 | 6 |
| OR | EDN4186F | Literacy and Adult Basic Education (*Not offered in 2014*) | 24 | 6 |
| OR | EDN4002S | Adult Education and Social Transformation (*Not offered in 2014*) | 24 | 6 |
| (c) | EDN4120W | Evaluation Research Projects (*Not offered in 2014*) | 24 | 6 |
The two-year programme:

**Year 1** aims to enable students to grasp the discourses and practices that have shaped processes of adult learning, which in turn have structured the broad field of adult education. It will provide students with theoretical frameworks with which to view adult education practices to enable them to describe, analyse, assess and redesign these practices (where appropriate). A further aim is to enable students to increase their specialised roles in education, training and development, through building a broader repertoire of professional skills for work in the changing context provided by new policy frameworks.

**Year 2** starts with a focus on theories which attempt to explain shifts in the organisation of learning and society, followed by contextual study in a site of practice with some degree of specialisation according to choice. The second semester provides a focus on research, with an introduction to evaluative research, followed by project-based research work which returns to aspects of professional practice.

2. **Continuing Professional Teacher Development**

These ACE specialisations are offered in response to demand by the Western Cape and/or national Departments of Education only. Please note that this means that applicants must normally be selected by the Western Cape Education Department (but may apply individually) in order to register for them and that they are not offered when there is no demand for them.

**Admission:**

The specialisations are intended for in-service primary and secondary school teachers who hold an M+3 qualification. They are intended to upgrade their subject teaching and professional competence.

Except in the case of the ACE (Education Management and Leadership Development [School Leadership]), a person shall not be admitted as a candidate for the certificate unless he/she has:

(a) an approved three-year Teacher's Certificate or Diploma in the phase for which the ACE is offered (for General Education and Training), or the subject for which the ACE is offered, where appropriate (for Further Education and Training);

**AND**

(b) at least three years approved teaching experience.

2.1 **ACE in Education Management and Leadership Development**

**Convener:** J D Gilmour

This specialisation is a professional programme based on a national curriculum developed by the Directorate: Education Management and Governance Development (EMGD) in the Department of Basic Education and is intended for practicing and aspirant principals. It is a workplace based specialisation. This impacts on the mode of delivery, the assessment methodology, and the degree of site-based assessment and support which is offered. Broadly, the specialisation aims to:

- empower/enable aspirant and practicing principals to develop the skills, knowledge, and values needed to lead and manage schools effectively and contribute to improving the delivery of education across the school system,
- provide current principals with a formal professional qualification which is career related and,
- provide an entry criterion to principalship.

The specialisation further aims to achieve the following:

- provide leadership and management to enable the school to give every learner quality education through professional leadership and management of the curriculum and resources,
strengthen and support the role of principalship and develop principals who are able to critically engage and be self-reflective practitioners, and

enable principals to manage their schools as learning organisations and to instil values supporting transformation in the South African context.

Criteria for admission are as follows:
(a) Priority is given to practicing principals identified by provincial departments of education or other agreed methods.
(b) Candidates must have a formal professional teacher qualification at REQV level 14. In the case of candidates who are school principals, a formal professional teacher qualification at REQV level 13 is acceptable.
(c) Have at least 3 years teaching experience.
(d) Be employed at Post Level 2 and upwards.
(e) Female educators will be given preference to address the gender equity profile in school management in the education system.
(f) Post Level 1 educators performing management tasks at P1 and P2 schools, will be considered. Their applications should be supported by a written statement, endorsed by the principal, school governing body or district official.
(g) The principal and/or school governing body should endorse all applications. Where this may not be possible candidates have the right to appeal to the appropriate/relevant accounting officer in the system.

Compulsory (core) courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>NQF credits</th>
<th>HEQSF level</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDN4161W</td>
<td>Basic Computer Literacy</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>EDN4162W</td>
<td>Effective Language Skills</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>EDN4160W</td>
<td>School Management and Leadership in the South African Context</td>
<td>10</td>
<td>6</td>
</tr>
<tr>
<td>EDN4164W</td>
<td>Management Portfolio</td>
<td>10</td>
<td>6</td>
</tr>
<tr>
<td>EDN4165W</td>
<td>Leading and Managing People in Schools (Not offered in 2014)</td>
<td>20</td>
<td>6</td>
</tr>
<tr>
<td>EDN4167W</td>
<td>Policy, Planning and Governance</td>
<td>20</td>
<td>6</td>
</tr>
<tr>
<td>EDN4168W</td>
<td>Managing Teaching and Learning</td>
<td>20</td>
<td>6</td>
</tr>
</tbody>
</table>

Two electives courses chosen from the list below:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>NQF credits</th>
<th>HEQSF level</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDN4163W</td>
<td>Outcomes-Based Assessment (Not offered in 2014)</td>
<td>10</td>
<td>6</td>
</tr>
<tr>
<td>EDN4169W</td>
<td>Moderation of Assessment in Schools (Not offered in 2014)</td>
<td>10</td>
<td>6</td>
</tr>
<tr>
<td>EDN4170W</td>
<td>Management of Subject Areas/Learning Areas/Phases</td>
<td>10</td>
<td>6</td>
</tr>
<tr>
<td>EDN4171W</td>
<td>Mentoring for School Managers (Not offered in 2014)</td>
<td>10</td>
<td>6</td>
</tr>
</tbody>
</table>

2.2 ACE in Literacy, Numeracy and Curriculum Leadership – Foundation Phase

Convener: C Kühne

Compulsory (core) courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>NQF credits</th>
<th>HEQSF level</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDN4172H</td>
<td>Foundation Phase Curriculum Leadership A</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>EDN4173H</td>
<td>Foundation Phase Curriculum Leadership B</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>EDN4174W</td>
<td>Learning in the Foundation Phase</td>
<td>24</td>
<td>6</td>
</tr>
<tr>
<td>EDN4175W</td>
<td>Teaching in the Foundation Phase</td>
<td>24</td>
<td>6</td>
</tr>
<tr>
<td>EDN4176W</td>
<td>Foundation Phase Numeracy</td>
<td>24</td>
<td>6</td>
</tr>
<tr>
<td>EDN4177W</td>
<td>Foundation Phase Literacy</td>
<td>24</td>
<td>6</td>
</tr>
</tbody>
</table>
2.3 ACE in Language, Mathematics and Curriculum Leadership – Intermediate Phase

Convener: K Hassan

**Compulsory (core) courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>NQF credits</th>
<th>HEQSF level</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDN4178H</td>
<td>Intermediate Phase Curriculum Leadership A</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>EDN4179H</td>
<td>Intermediate Phase Curriculum Leadership B</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>EDN4180W</td>
<td>Learning in the Intermediate Phase</td>
<td>24</td>
<td>6</td>
</tr>
<tr>
<td>EDN4181W</td>
<td>Teaching in the Intermediate Phase</td>
<td>24</td>
<td>6</td>
</tr>
<tr>
<td>EDN4182W</td>
<td>Intermediate Phase Mathematics</td>
<td>24</td>
<td>6</td>
</tr>
<tr>
<td>EDN4183W</td>
<td>Intermediate Phase Language</td>
<td>24</td>
<td>6</td>
</tr>
</tbody>
</table>

2.4 ACE in Mathematics

Convener: G Powell and Y Johnson.

**Compulsory (core) courses:**

*At the GET level:*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>NQF credits</th>
<th>HEQSF level</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDN4004H</td>
<td>GET Mathematics Curriculum A</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>EDN4005H</td>
<td>GET Mathematics Curriculum B</td>
<td>12</td>
<td>6</td>
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</tbody>
</table>

*OR*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>NQF credits</th>
<th>HEQSF level</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDN4103W</td>
<td>Science and Mathematics in the New Curriculum</td>
<td>24</td>
<td>6</td>
</tr>
<tr>
<td>EDN4124W</td>
<td>GET Mathematics: Number</td>
<td>24</td>
<td>6</td>
</tr>
<tr>
<td>EDN4125W</td>
<td>GET Mathematics: Algebra</td>
<td>24</td>
<td>6</td>
</tr>
<tr>
<td>EDN4127W</td>
<td>GET Mathematics: Shape &amp; Measurement</td>
<td>24</td>
<td>6</td>
</tr>
<tr>
<td>EDN4128W</td>
<td>GET Mathematics: Data Handling</td>
<td>24</td>
<td>6</td>
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</tbody>
</table>

*At the FET level:*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>NQF credits</th>
<th>HEQSF level</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDN4006H</td>
<td>FET Mathematics Curriculum A</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>EDN4007H</td>
<td>FET Mathematics Curriculum B</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>EDN4149W</td>
<td>FET Mathematics: Number</td>
<td>24</td>
<td>6</td>
</tr>
<tr>
<td>EDN4150W</td>
<td>FET Mathematics: Algebra</td>
<td>24</td>
<td>6</td>
</tr>
<tr>
<td>EDN4151W</td>
<td>FET Mathematics: Shape &amp; Measurement</td>
<td>24</td>
<td>6</td>
</tr>
<tr>
<td>EDN4152W</td>
<td>FET Mathematics: Data Handling</td>
<td>24</td>
<td>6</td>
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</tbody>
</table>

2.5 ACE in Science

Convener: N Mgoqi

**Additional admission criteria for the Advanced Certificate in Education (Science):**

(a) *At the GET level:* science qualifications at 3rd year college level, or experience of teaching science at GET level;

(b) *At the FET level:* a pass in Physical Science at grade 12 level or experience of teaching Physical Science at FET level.

**Compulsory (core) courses: At the GET level:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>NQF credits</th>
<th>HEQSF level</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDN4103W</td>
<td>Science and Mathematics in the New Curriculum</td>
<td>24</td>
<td>6</td>
</tr>
<tr>
<td>EDN4107W</td>
<td>Science Content A (Life Sciences)</td>
<td>24</td>
<td>6</td>
</tr>
<tr>
<td>EDN4108W</td>
<td>Science Content B (Earth Sciences)</td>
<td>24</td>
<td>6</td>
</tr>
<tr>
<td>EDN4109W</td>
<td>Science Content C (Physical Sciences)</td>
<td>24</td>
<td>6</td>
</tr>
<tr>
<td>EDN4129W</td>
<td>Natural Sciences in the New Curriculum OR</td>
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</tr>
<tr>
<td>EDN4131H</td>
<td>Teaching Natural Sciences A</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>EDN4132H</td>
<td>Teaching Natural Sciences B</td>
<td>12</td>
<td>6</td>
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</tbody>
</table>
At the FET level:  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>NQF credits</th>
<th>HEQSF level</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDN4140W</td>
<td>Science Content D (Physics)</td>
<td>24</td>
<td>6</td>
</tr>
<tr>
<td>EDN4141W</td>
<td>Science Content E (Chemistry)</td>
<td>24</td>
<td>6</td>
</tr>
<tr>
<td>EDN4142W</td>
<td>Mathematics for Science Teachers</td>
<td>24</td>
<td>6</td>
</tr>
<tr>
<td>EDN4153W</td>
<td>Physical Sciences in the New Curriculum</td>
<td>24</td>
<td>6</td>
</tr>
<tr>
<td>EDN4154H</td>
<td>Teaching Physical Sciences A</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>EDN4155H</td>
<td>Teaching Physical Sciences B</td>
<td>12</td>
<td>6</td>
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</tbody>
</table>

The mark for the course as a whole will be awarded jointly for teaching practice and the portfolio. Note: A candidate who is deemed unsuited to a teaching career for reasons of a personal nature may be advised accordingly by the Director of the School of Education. Such a candidate, if withdrawing from the programme after the first period of teaching practice will not be liable for second semester fees.

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EDN4002S  ADULT EDUCATION AND SOCIAL TRANSFORMATION  
(Not offered in 2014)  
NQF credits: 24 at HEQSF level 6  
Convener: Dr S Ismail  
Course entry requirements: ACE entrance criteria.  
Course outline: This half-semester option comprises an historical and comparative study of traditions of adult education practice engaging in projects of social transformation and development. It will include an assessment of radical adult education discourse and practice in the South African context under current political and social conditions.  
DP requirements: At least 80% attendance record and submission of all assignments and projects.  
Assessment: By assignment.

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EDN4004H  GET MATHEMATICS CURRICULUM A  
Class number 4102  
NQF credits: 12 at HEQSF level 6  
Convener: G Powell  
Course entry requirements: ACE entrance criteria.  
Course outline: This course focuses on Mathematics in the General Education and Training band for schooling. Students will develop a critical understanding of policy documents and the NCS principles.  
DP requirements: At least 80% attendance record plus submission of all assignments.  
Assessment: Assignments 100%.

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EDN4005H  GET MATHEMATICS CURRICULUM B  
Class number 4103  
NQF credits: 12 at HEQSF level 6  
Convener: G Powell  
Course entry requirements: ACE entrance criteria.  
Course outline: This course focuses on Mathematics in the General Education and Training band for schooling. Students will engage with long-, medium- and short-term planning, as well as assessment in accordance with the principles of the NCS.  
DP requirements: At least 80% attendance record plus submission of all assignments.  
Assessment: Assignments 100%.
**EDN4006H**  **FET MATHEMATICS CURRICULUM A**
Class number 4136
NQF credits: 12 at HEQSF level 6
Convener: Y Johnson

Course entry requirements: ACE entrance criteria.
Course outline: This course focuses on Mathematics in the Further Education and Training band for schooling. Students will develop an understanding of policy documents and the NCS principles: critical and developmental outcomes; assessment, diversity, language and teaching approaches.

DP requirements: At least 80% attendance record plus submission of assignments.
Assessment: Assignments 100%.

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**EDN4007H**  **FET MATHEMATICS CURRICULUM B**
Class number 4137
NQF credits: 12 at HEQSF level 6
Convener: Y Johnson

Course entry requirements: ACE entrance criteria.
Course outline: This course focuses on Mathematics in the Further Education and Training band for schooling. Students will develop an understanding of learning programme design and how to plan and execute teaching and assessment in accordance with the principles in the NCS.

DP requirements: At least 80% attendance record plus submission of assignments.
Assessment: Assignments 100%.

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**EDN4008H**  **MATHEMATICAL LITERACY CURRICULUM A**
Class number 4104
NQF credits: 12 at HEQSF level 6
Convener: A Roberts

Course entry requirements: ACE entrance criteria.
Course outline: This course focuses on Mathematical Literacy in the Further Education and Training band for schooling. Students will develop a critical understanding of policy documents and the NCS principles.

DP requirements: At least 80% attendance record plus submission of all assignments.
Assessment: Assignments 100%.

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**EDN4009H**  **MATHEMATICAL LITERACY CURRICULUM B**
Class number 4107
NQF credits: 12 at HEQSF level 6
Convener: A Roberts

Course entry requirements: ACE entrance criteria.
Course outline: This course focuses on Mathematical Literacy in the Further Education and Training band for schooling. Students will engage with long-, medium- and short-term planning, as well as assessment in accordance with the principles of the NCS.

DP requirements: At least 80% attendance record plus submission of all assignments.
Assessment: Assignments 100%.

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**EDN4103W**  **SCIENCE AND MATHEMATICS IN THE NEW CURRICULUM**
Class number 4123
NQF credits: 24 at HEQSF level 6
Convener: G Powell and N Mgoqi

Course entry requirements: ACE admission criteria.
Course outline: This course focuses on the place of Science and Mathematics in the Revised
National Curriculum Statement. Topics include:
- the nature of Mathematics and Science as school learning areas;
- a description of learning theories applied to Mathematics and Science;
- links with technology and society;
- issues of learner diversity;
- theories of assessment.
**DP requirements:** At least 80% attendance record plus submission of all assignments.
**Assessment:** Assignments and tests 100%.

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**EDN4107W  SCIENCE CONTENT A (Life Sciences)**
Class number 4108
NQF credits: 24 at HEQSF level 6
**Convener:** N Mgoqi
**Course entry requirements:** ACE admission criteria.
**Course outline:** This course will focus on the Biological Sciences: ecology; plant and animal morphology; biochemistry; physiology; health; environmental science; evolution. This course will be offered for GET teachers.
**DP requirements:** At least 80% attendance record plus submission of all assignments.
**Assessment:** Assignments and tests 50%; one two-hour written examination and one one-hour practical examination together 50%.

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**EDN4108W  SCIENCE CONTENT B (Earth Sciences)**
Class number 4109
NQF credits: 24 at HEQSF level 6
**Convener:** A Petersen
**Course entry requirements:** ACE admission criteria.
**Course outline:** This course will focus on the Earth Sciences: astronomy; climatology; geology; geomorphology; atmosphere science space travel, oceanography. This course will be offered at the Intermediate and/or Senior GET levels, depending on student interest.
**DP requirements:** At least 80% attendance record plus submission of all assignments.
**Assessment:** Assignments and tests 50%; one two-hour written examination and one one-hour practical examination together 50%.

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**EDN4109W  SCIENCE CONTENT C (Physical Sciences)**
Class number 4120
NQF credits: 24 at HEQSF level 6
**Convener:** G Dolo
**Course entry requirements:** ACE admission criteria.
**Course outline:** This course will focus on the Physical Sciences: mechanics; electricity; properties of materials; chemical reactions; energy sources, use and conservation; kinetics; atomic and particle models of matter. This course will be offered at the Intermediate and/or Senior GET levels, depending on student interest.
**DP requirements:** At least 80% attendance record plus submission of all assignments.
**Assessment:** Assignments and tests 50%; one two-hour written examination and one one-hour practical examination together 50%.

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**EDN4120W  EVALUATION RESEARCH PROJECTS**
*(Not offered in 2014)*
NQF credits: 24 at HEQSF level 6
**Convener:** Dr S Ismail
**Course entry requirements:** ACE entrance criteria.
Course outline: This semester course functions as a theoretical and professional introduction to evaluative research. Its grounding question is how is quality to be defined, modelled and assessed across a range of adult education practices. It would provide students with an opportunity to actually undertake a piece of proposed evaluative research. The core skills developed would involve the identification and theorization of a research question, the collection of data and the production of a report presenting and analysing data. Projects will generally focus on an issue of theoretical and professional interest. Group support and supervision will be available for the writing of the report.

DP requirements: 80% attendance record and submission of all assignments and projects.

Assessment: By examination.

EDN4121W  MATHEMATICAL LITERACY: NUMBER
Class number 4105
NQF credits: 24 at HEQSF level 6
Convener: A Roberts
Course entry requirements: ACE admission criteria.
Course outline: This course focuses on developing students' knowledge of number and number relationships in solving problems in real contexts. In particular, students will explore numbers as tools to investigate everyday situations and solve problems. Students will engage with issues relating to the teaching and learning of number in practice such as diagnosing learners' difficulties and evaluating different ways of teaching number.

DP requirements: At least 80% attendance record plus submission of all assignments.

Assessment: Assignment and tests 50%; one two-hour written examination 50%.

EDN4122W  MATHEMATICAL LITERACY: ALGEBRA
Class number 4106
NQF credits: 24 at HEQSF level 6
Convener: R Mackay
Course entry requirements: ACE admission criteria.
Course outline: This course explores functional relationships which arise in the context of everyday situations. Students will investigate the relationships between variables and the use of functional relationships to solve problems. Students will engage with issues relating to the teaching and learning of algebra in practice such as diagnosing learners' difficulties and evaluating different ways of teaching algebra.

DP requirements: At least 80% attendance record plus submission of all assignments.

Assessment: Assignment and tests 50%; one two-hour written examination 50%.

EDN4123W  MATHEMATICAL LITERACY: DATA HANDLING
Class number 4114
NQF credits: 24 at HEQSF level 6
Convener: R Mackay
Course entry requirements: ACE admission criteria.
Course outline: This course focuses on developing students' knowledge of statistics and probability to collect, organise, summarise, represent and analyse numerical information. Students will critically interrogate numerical information represented in the media. Students will engage with issues relating to the teaching and learning of data handling in practice such as diagnosing learners' difficulties and evaluating different ways of teaching data handling.

DP requirements: At least 80% attendance record plus submission of all assignments.

Assessment: Assignment and tests 50%; one two-hour written examination 50%.
EDN4124W  GET MATHEMATICS: NUMBER
Class number 4290
NQF credits: 24 at HEQSF level 6
Convener: K Hassan
Course entry requirements: ACE admission criteria.
Course outline: This course focuses on developing students' knowledge of the structure of number systems from counting numbers to irrational numbers and their relationships to solve problems in real contexts. In particular, students will explore number concepts as tools to investigate everyday situations and solve problems. Students will engage with issues relating to the teaching and learning of number in practice such as diagnosing learners' difficulties and evaluating different ways of teaching and assessing number.

DP requirements:
At least 80% attendance record plus submission of all assignments.
Assessment: Assignments and tests 50%; one two-hour written examination 50%.

EDN4125W  GET MATHEMATICS: ALGEBRA
Class number 4110
NQF credits: 24 at HEQSF level 6
Convener: G Powell
Course entry requirements: ACE admission criteria.
Course outline: This course explores functional relationships (linear, quadratic and exponential) which arise in the context of everyday situations. Students will investigate the relationships between variables and determine the values of variables to solve problems. Students will engage with issues relating to the teaching and learning of algebra in practice such as diagnosing learners' difficulties and evaluating different ways of teaching and assessing algebra.

DP requirements: At least 80% attendance record plus submission of all assignments.
Assessment: Assignments and tests 50%; one two-hour written examination 50%.

EDN4127W  GET MATHEMATICS: SHAPE AND MEASUREMENT
Class number 4115
NQF credits: 24 at HEQSF level 6
Convener: G Powell
Course entry requirements: ACE admission criteria.
Course outline: This course focuses on developing students' spatial knowledge and geometrical skills. Students will analyse contexts in terms of two-dimensional shapes and three-dimensional objects and use the properties of shapes and objects to solve spatial problems and situations. Students will be introduced to informal transformation geometry as a means to explore shapes. Students will engage with issues relating to the teaching and learning of shape, space and measurement in practice such as diagnosing learners' difficulties and evaluating different ways of teaching and assessing shape, space and measurement.

DP requirements: At least 80% attendance record plus submission of all assignments.
Assessment: Assignments and tests 50%; one two-hour written examination 50%.

EDN4128W  GET MATHEMATICS: DATA HANDLING
Class number 4116
NQF credits: 24 at HEQSF level 6
Convener: G Powell
Course entry requirements: ACE admission criteria.
Course outline: This course focuses on developing students' knowledge of statistics and probability to collect, organise, summarise, represent and analyse data (numerical and categorical). Students are introduced to central location measures (mean, median, mode) and dispersion measures (range).
Data representation will include different graphs (Graphical: Bar, Histogram, Pie, Line and Scatter). Empirical probabilities (marginal, joint, conditional, independent) will be explored. Students will engage with issues relating to the teaching and learning of data handling in practice such as diagnosing learners' difficulties and evaluating different ways of teaching and assessing data handling.

**DP requirements:** At least 80% attendance record plus submission of all assignments.

**Assessment:** Assignments and tests 50%; one two-hour written examination 50%.

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**EDN4129W  NATURAL SCIENCES IN THE NEW CURRICULUM**
Class number 4119
NQF credits: 24 at HEQSF level 6
**Convener:** N Mgoqi

**Course entry requirements:** ACE admission criteria.

**Course outline:** This course focuses on the place of the Natural Sciences in an OBE GET curriculum. Understanding of current GET curriculum policy; the nature of science; the relationship between science, technology and society; learning theories applied to GET students; language for learning the Natural Sciences; multicultural science education; principles of assessment; including assessment in learning programmes.

**DP requirements:** At least 80% attendance record plus submission of all assignments.

**Assessment:** Assignments 50%; a two-hour written examination 50%.

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**EDN4131H  TEACHING NATURAL SCIENCES A**
Class number 4873
NQF credits: 12 at HEQSF level 6
**Convener:** G Dolo

**Course entry requirements:** ACE admission criteria.

**Course outline:** This course will consider basic pedagogical and professional issues in teaching the Natural Sciences. Roles and competencies of a Natural Sciences teacher; planning learning programmes; classroom management; GET practical work; doing investigations; materials and resources for Natural Sciences teaching.

All students need to demonstrate basic computer literacy or need to attend an additional computer literacy training course.

**DP requirements:** At least 80% attendance record plus submission of all assignments.

**Assessment:** School-based tasks, site visits and assignments 100%.

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**EDN4132H  TEACHING NATURAL SCIENCES B**
Class number 4874
NQF credits: 12 at HEQSF level 6
**Convener:** A Petersen

**Course entry requirements:** ACE admission criteria.

**Course outline:** Whole-year course, taken over second year.

This course will consider pedagogical and professional issues in teaching the Natural Sciences. The science teacher as reflective practitioner and action researcher; managing change in the science classroom; cognition in the science classroom; materials and resources for science learning and assessment.

**DP requirements:** At least 80% attendance record plus submission of all assignments.

**Assessment:** School-based tasks, site visits and assignments 100%.
EDN4133W  NATURAL SCIENCE AND TECHNOLOGY
Class number: 4098
NQF credits: 10 at HEQSF level 7
Convener: Associate Professor A Hattingh
Course entry requirements: PGCE admission criteria.
Course outline: The course includes aspects of the following:
Methods of teaching and learning science and technology appropriate to General Education and Training, the development of curriculum units of work, seasonal planning, conservation of the natural environment, simple experiments, science, computers and technology, science and technology in everyday life, science, technology, society and design.
NOTE: Students in this course are expected to participate in fieldwork.
DP requirements: At least 80% attendance is required at lectures; 100% for field trips. Submission and satisfactory completion of all assignments.
Assessment: Assignments and tests 100%.

EDN4134W  MATHEMATICS
Class number: 4099
NQF credits: 10 at HEQSF level 7
Convener: S Jaffer
Course entry requirements: PGCE admission criteria.
Course outline: This course will be focused on the curriculum for Intermediate and Senior Phase (Grades 4 – 9) and will give students an opportunity to explore some of the key mathematical concepts as well as the implications of different methodological choices.
DP requirements: At least 80% attendance is required at lectures. Submission and satisfactory completion of all assignments.
Assessment: Assignments and tests 100%.

EDN4140W  SCIENCE CONTENT D (Physics)
Class number: 4129
NQF credits: 24 at HEQSF level 6
Convener: G Kay
Course entry requirements: ACE admission criteria.
Course outline: This course will focus on Physics: mechanics; dynamics; kinetics; modern atomic theory; electricity and electronics. Topics taken to a post-Matric level.
DP requirements: At least 80% attendance record plus submission of all assignments.
Assessment: Assignments and tests 50%; a two-hour written examination 50%.

EDN4141W  SCIENCE CONTENT E (Chemistry)
Class number: 4130
NQF credits: 24 at HEQSF level 6
Convener: N Mgoqi
Course entry requirements: ACE admission criteria.
Course outline: This course will focus on Chemistry: introduction to inorganic, organic and physical chemistry. Topics taken to a post-Matric level.
DP requirements: At least 80% attendance record plus submission of all assignments.
Assessment: Assignments and tests 50%; a two-hour written examination 50%.
EDN4142W  MATHEMATICS FOR SCIENCE TEACHERS
Class number 4122
NQF credits: 24 at HEQSF level 6
Convener: G Kay
Course entry requirements: ACE admission criteria.
Course outline: Basic and advanced mathematics required for the teaching of Physics and Chemistry at FET level. Functions and graphs; Data processing; Basic algebra; Logarithms; Elementary calculus.
DP requirements: At least 80% attendance record plus submission of all assignments.
Assessment: Assignments and tests 50%; a two-hour written examination 50%.

EDN4149W  FET MATHEMATICS: NUMBER
Class number 4134
NQF credits: 24 at HEQSF level 6
Convener: Y Johnson
Course entry requirements: ACE entrance criteria.
Course outline: This course focuses on the structure of number systems from counting numbers to irrational numbers and extends the discussion to include real and non-real numbers. Number patterns including arithmetic and geometric sequences and series will be explored as tools to solve everyday situations. In addition, the course focuses on using numbers in different forms (exponents, surds, and logarithms). Students will engage with issues relating to the teaching and learning of the above content such as diagnosing learners' difficulties and evaluating different ways of teaching and assessing the content.
DP requirements: At least 80% attendance record plus submission of all assignments.
Assessment: Assignments and tests 50%; one two-hour written examination 50%.

EDN4150W  FET MATHEMATICS: ALGEBRA
Class number 4135
NQF credits: 24 at HEQSF level 6
Convener: Y Johnson
Course entry requirements: ACE entrance criteria.
Course outline: This course extends the exploration of function covered in the GET and includes inverse algebraic and trigonometric functions. Students are introduced to Differential Calculus and will use a wide range of algebraic methods to analyse function problems. Students will engage with issues relating to the teaching and learning of the above content such as diagnosing learners' difficulties and evaluating different ways of teaching and assessing the content.
DP requirements: At least 80% attendance record plus submission of all assignments.
Assessment: Assignments and tests 50%; one two-hour written examination 50%.

EDN4151W  FET MATHEMATICS: SHAPE & MEASUREMENT
Class number 4117
NQF credits: 24 at HEQSF level 6
Convener: Y Johnson
Course entry requirements: ACE entrance criteria.
Course outline: This course extends students' knowledge of GET geometry and uses Euclidean, Coordinate and Transformational geometric methods to investigate properties of shapes and objects. Students are introduced to trigonometry. Research into one or more other geometries (spherical, taxi-cab, fractal) will also be explored. Students will engage with issues relating to the teaching and learning of the above content such as diagnosing learners' difficulties and evaluating different ways of teaching and assessing the content.
DP requirements: At least 80% attendance record plus submission of all assignments.
Assessment: Assignments and tests 50%; one two-hour written examination 50%.

EDN4152W  FET MATHEMATICS: DATA HANDLING
Class number 4118
NQF credits: 24 at HEQSF level 6
Convener: Y Johnson
Course entry requirements: ACE entrance criteria.
Course outline: This course extends students' knowledge of GET exploratory data analysis and probability. Students are introduced to non-central location measures (quartiles/percentiles) and dispersion measures (variance, standard deviation, interquartile range and quartile deviation). Data representation will include Box and Whisker plots and ogives. Empirical probabilities (marginal, joint, conditional, independent) and theoretical probabilities (normal probability distribution) are covered. Linear regression analysis (simple linear) will be explored. Students will engage with issues relating to the teaching and learning of the above content such as diagnosing learners' difficulties and evaluating different ways of teaching and assessing the content.
DP requirements: At least 80% attendance record plus submission of all assignments.
Assessment: Assignments and tests 50%; one two-hour written examination 50%.

EDN4153W  PHYSICAL SCIENCES IN THE NEW CURRICULUM
Class number 4121
NQF credits: 24 at HEQSF level 6
Convener: G Kay
Course entry requirements: ACE entrance criteria.
Course outline: This course focuses on the place of the Physical Sciences in an OBE FET curriculum. Understanding of current FET curriculum policy; the place of Physics and Chemistry in science; learning theories applied to FET students; cultural influences on learning the Physical Sciences; planning for curriculum delivery; the role of examinations and alternative assessment tasks.
DP requirements: At least 80% attendance record plus submission of all assignments.
Assessment: Assignments 50%; a two-hour written examination 50%.

EDN4154H  TEACHING PHYSICAL SCIENCES A
Class number 4875
NQF credits: 12 at HEQSF level 6
Convener: G Dolo
Course entry requirements: ACE entrance criteria.
Course outline: This course will consider basic pedagogical and professional issues in teaching the Physical Sciences. Roles and competencies of a Physical Sciences teacher; content development in the Physical Sciences; classroom and laboratory management; FET practical work; the school student as scientist; alternative learning environments.
All students need to demonstrate basic computer literacy or need to attend an additional computer literacy training course.
DP requirements: At least 80% attendance record plus submission of all assignments.
Assessment: School-based tasks, site visits and assignments 100%.

EDN4155H  TEACHING PHYSICAL SCIENCES B
Class number 4876
NQF credits: 12 at HEQSF level 6
Convener: N Davies
Course entry requirements: ACE entrance criteria.
**Course outline:** This course will consider advanced pedagogical and professional issues in teaching the Physical Sciences. The Physical Sciences teacher as reflective practitioner and action researcher; epistemology of physics and chemistry; cognition in the Physical Sciences; assessment practices in the Physical Sciences; designing materials and resources for the Physical Sciences.

**DP requirements:** At least 80% attendance record plus submission of all assignments.

**Assessment:** School-based tasks, site visits and assignments 100%.

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**EDN4160W SCHOOL MANAGEMENT AND LEADERSHIP IN THE SOUTH AFRICAN CONTEXT**

Class number 4433  
NQF credits: 10 at HEQSF level 6  
Convener: J D Gilmour and J Wylie

**Course entry requirements:** ACE entrance criteria.

**Course outline:** The main purpose of this course is to give an understanding of some of the debates around school leadership and management. These are examined in the frame of personal and professional reflection specific to today’s school leader and manager within the South African context and the broader educational scenario.

**DP requirements:** At least 80% attendance record plus submission of all assignments.

**Assessment:** Essays, projects and assignments 100%.

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**EDN4161W BASIC COMPUTER LITERACY IN SCHOOL MANAGEMENT AND LEADERSHIP**

Class number 4434  
NQF credits: 4 at HEQSF level 6  
Convener: J D Gilmour and J Wylie

**Course entry requirements:** ACE entrance criteria.

**Course outline:** Candidates should demonstrate a basic competency in ITC skills. The course concentrates on how ITC could be used to manage the school and what the different options are with regard to ITC.

**DP requirements:** At least 80% attendance record plus submission of all assignments.

**Assessment:** Essays, projects and assignments 100%.

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**EDN4162W EFFECTIVE LANGUAGE SKILLS IN SCHOOL MANAGEMENT AND LEADERSHIP**

Class number 4435  
NQF credits: 6 at HEQSF level 6  
Convener: J D Gilmour and J Wylie

**Course entry requirements:** ACE entrance criteria.

**Course outline:** Candidates should demonstrate a basic competency in communication skills which include being able to communicate with the school community using different methods e.g. chairing meetings, making presentations, communicating in writing and being able to express views and opinions in the school.

**DP requirements:** At least 80% attendance record plus submission of all assignments.

**Assessment:** Essays, projects and assignments 100%.

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**EDN4164W SCHOOL MANAGEMENT AND LEADERSHIP PORTFOLIO**

Class number 4436  
NQF credits: 10 at HEQSF level 6  
Convener: J D Gilmour and J Wylie

**Course entry requirements:** None

**Course outline:** The purpose of this course is to develop a portfolio of evidence of the personal
development of the individual candidate, in order to demonstrate the different interventions at the school and to reflect on progress made. This course begins in the first year and is completed in the second year.

**DP requirements:** At least 80% attendance record plus submission of all assignments.

**Assessment:** Essays, projects and assignments 100%.

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**EDN4165W  LEADING AND MANAGING PEOPLE IN SCHOOLS**  
*Not offered in 2014*

NQF credits: 20 at HEQSF level 6  
Convener: J D Gilmour and J Wylie

**Course entry requirements:** ACE entrance criteria.

**Course outline:** The course focuses on transformational leadership and the role the principal plays in managing people in the school community. Alongside developing skills in human resource management including staff development, and the application of relevant employment legislation, it aims to empower students to manage the environment in which the school operates, including issues related to the socio-economic background and health of learners, educators and the school community.

**DP requirements:** At least 80% attendance record plus submission of all assignments.

**Assessment:** Essays, projects and assignments count for 100%.

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**EDN4166W  ORGANISATIONAL SYSTEMS, PHYSICAL AND FINANCIAL RESOURCE MANAGEMENT FOR SCHOOLS**  
*Not offered in 2014*

NQF credits: 20 at HEQSF level 6  
Convener: J D Gilmour and J Wylie

**Course entry requirements:** ACE entrance criteria.

**Course outline:** The course focuses on managing the school as an organisation and on how to ensure efficiency, accountability and financial responsibility in the school.

**DP requirements:** At least 80% attendance record plus submission of all assignments.

**Assessment:** Essays, projects and assignments count for 100%.

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**EDN4167W  POLICY, PLANNING, SCHOOL DEVELOPMENT AND GOVERNANCE FOR SCHOOL MANAGEMENT**  
Class number 4437

NQF credits: 20 at HEQSF level 6  
Convener: J D Gilmour and J Wylie

**Course entry requirements:** ACE admission criteria.

**Course outline:** The starting point for this course is the work done in the first course with regard to the comprehensive policy framework. It then requires the candidate to identify the school’s policy requirements and engage in analysis, development and implementation of internal school policy.

**DP requirements:** At least 80% attendance record plus submission of all assignments.

**Assessment:** Essays, projects and assignments 100%.

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**EDN4168W  MANAGING TEACHING AND LEARNING**  
Class number 4438

NQF credits: 20 at HEQSF level 6  
Convener: J D Gilmour and J Wylie

**Course entry requirements:** ACE admission criteria.

**Course outline:** The course assumes that teaching and learning is the core purpose of schools. It explores the candidate’s personal and professional orientation to learning and aims to develop skills to manage the planning and implementation and the monitoring and evaluation of teaching to ensure
quality learning for all learners in the context of national, provincial and school policy. It builds the candidate’s ability to manage curriculum delivery and interventions on the basis of data collected in the school.

**DP requirements:** At least 80% attendance record plus submission of all assignments.

**Assessment:** Essays, projects and assignments 100%.

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**EDN4169W MODERATION OF ASSESSMENT IN SCHOOLS**  
*(Not offered in 2014)*

- **NQF credits:** 10 at HEQSF level 6
- **Convener:** J D Gilmour and J Wylie
- **Course entry requirements:** ACE entrance criteria.
- **Course outline:** This course aims to develop an understanding of moderation within the context of an outcomes-based assessment system. Candidates will need to demonstrate an ability to plan, prepare for and conduct moderation from the position of an instructional leader who can advise and support assessors.

**DP requirements:** At least 80% attendance record plus submission of all assignments.

**Assessment:** Essays, projects and assignments count for 100%.

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**EDN4170W MANAGEMENT OF SUBJECT AREAS/ LEARNING AREAS/ PHASES**

- **Class number:** 4758
- **NQF credits:** 10 at HEQSF level 6
- **Convener:** J D Gilmour and J Wylie
- **Course entry requirements:** ACE admission criteria.
- **Course outline:** The course concentrates on how to develop, implement and manage a curriculum management plan in the school, starting with the vision of the area, the strategies and the teaching and learning activities needed in order to achieve this.

**DP requirements:** At least 80% attendance record plus submission of all assignments.

**Assessment:** Essays, projects and assignments count for 100%.

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**EDN4172H FOUNDATION PHASE CURRICULUM LEADERSHIP A**

- **Class number:** 4869
- **NQF credits:** 12 at HEQSF level 6
- **Convener:** K Hassan
- **Course entry requirements:** ACE admission criteria.
- **Course outline:** This course focuses on developing students’ leadership and management skills for literacy within their classroom and school context. It addresses issues of effective change in practice, progression and pacing, curriculum management, including systems and resources. Students will engage with issues relating to planning for learning and teaching on a continuum to meet learners’ developmental needs as introduced in EDN4174W Learning in the Foundation Phase. It will address differentiated instruction and managing both single grade and multi-grade classes in particular.

**DP requirements:** 80% attendance record plus submission of all assessment requirements.

**Assessment:** Assignments and school-based tasks 60%; one culminating teaching related portfolio 40%.

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**EDN4173H FOUNDATION PHASE CURRICULUM LEADERSHIP B**

- **Class number:** 4870
- **NQF credits:** 12 at HEQSF level 6
- **Convener:** K Hassan
- **Course entry requirements:** ACE admission criteria.
- **Course outline:** This course focuses on developing students’ leadership and management skills for numeracy within their classroom and school context. It addresses issues of effective change in
practice, progression and pacing, curriculum management, including systems and resources. Students will engage with issues relating to planning for learning and teaching on a continuum to meet learners’ developmental needs as introduced in the course EDN4175W Teaching in the Foundation Phase. It will particularly address differentiated instruction and managing both single grade and multi-grade classes in particular.

**DP requirements:** 80% attendance record plus submission of all assessment requirements.

**Assessment:** Assignments and school-based tasks 60%; one culminating teaching related portfolio 40%.

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**EDN4174W  LEARNING IN THE FOUNDATION PHASE**

Class number 4351  
NQF credits: 24 at HEQSF level 6  
Convener: C Kühne  

**Course entry requirements:** ACE admission criteria.

**Course outline:** This course focuses on developing students’ knowledge and understanding of the cognitive and conceptual development of numeracy and literacy (in particular reading and writing). Current theories of learning, learning trajectories and frameworks will be explored in detail. Students will have an opportunity to link this to the classroom, curriculum planning and assessment. Students will engage with issues relating to numeracy and literacy acquisition in practice which includes diagnosing learners’ difficulties, learning styles, matching learning and teaching.

**DP requirements:** 80% attendance record plus submission of all assessment requirements.

**Assessment:** Assignments and school-based tasks 60%; one culminating teaching related portfolio 40%.

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**EDN4175W  TEACHING IN THE FOUNDATION PHASE**

Class number 4354  
NQF credits: 24 at HEQSF level 6  
Convener: C Kühne  

**Course entry requirements:** ACE admission criteria.

**Course outline:** This course focuses on classroom/teaching; education theories, teaching strategies and methodologies, differentiated instructional pedagogy, inclusion and diversity. Students will engage with issues relating to the teaching of numeracy and literacy in practice such as addressing learners’ difficulties, evaluating different ways of teaching so that the varied needs of learners are addressed.

**DP requirements:** 80% attendance record plus submission of all assessment requirements.

**Assessment:** Assignments and school-based tasks 60%; one culminating teaching related portfolio 40%.

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**EDN4176W  FOUNDATION PHASE NUMERACY**

Class number 4357  
NQF credits: 24 at HEQSF level 6  
Convener: G Powell  

**Course entry requirements:** ACE admission criteria.

**Course outline:** This course focuses on developing students’ knowledge of the common philosophy of mathematics education reform as a significant paradigm shift from teaching isolated mathematics content topics to learning the principles of mathematics with understanding. Students will engage with issues relating to the teaching and learning of mathematics such as differentiated classroom management, diagnosis of learners’ difficulties and differentiated ways of teaching mathematics content, planning (curriculum) and assessment in line with the NCS.

**DP requirements:** 80% attendance record plus submission of all assessment requirements.

**Assessment:** Assignments and tests 50%; one two hour examination 50%.
EDN4177W FOUNDATION PHASE LITERACY
Class number 4360
NQF credits: 24 at HEQSF level 6
Convener: D Hendricks
Course entry requirements: ACE admission criteria.
Course outline: This course focuses on developing students’ knowledge of language learning and acquisition as an integral part of a significant paradigm shift from teaching isolated language topics to learning the principles of teaching language within and across the curriculum with understanding. The relationship between language and learning is introduced in this course with an emphasis on parent-child interaction, teacher-student interaction and their effects on learning.
DP requirements: 80% attendance record plus submission of all assessment requirements.
Assessment: Assignments and tests 50%; one two hour examination 50%.

EDN4178H INTERMEDIATE PHASE CURRICULUM LEADERSHIP A
Class number 4871
NQF credits: 12 at HEQSF level 6
Convener: K Hassan
Course entry requirements: ACE admission criteria.
Course outline: This course focuses on developing students’ leadership and management skills for literacy within their classroom and school context. It addresses issues of effective change in practice, progression and pacing, curriculum management, including systems and resources. Students will engage with issues relating to planning for learning and teaching on a continuum to meet learners’ developmental needs as introduced in the course EDN4180W Learning in the Intermediate Phase. It will address differentiated instruction and managing both single grade and multi-grade classes in particular.
DP requirements: 80% attendance record plus submission of all assessment requirements.
Assessment: Assignments and school-based tasks 60%; one culminating teaching related portfolio 40%.

EDN4179H INTERMEDIATE PHASE CURRICULUM LEADERSHIP B
Class number 4872
NQF credits: 12 at HEQSF level 6
Convener: K Hassan
Course entry requirements: ACE admission criteria.
Course outline: This course focuses on developing students’ leadership and management skills for numeracy within their classroom and school context. It addresses issues of effective change in practice, progression and pacing, curriculum management, including systems and resources. Students will engage with issues relating to planning for learning and teaching on a continuum to meet learners’ developmental needs as introduced in the course EDN4181W Teaching in the Intermediate Phase. It will address differentiated instruction and managing both single grade and multi-grade classes in particular.
DP requirements: 80% attendance record plus submission of all assessment requirements.
Assessment: Assignments and school-based tasks 60%; one culminating teaching related portfolio 40%.

EDN4180W LEARNING IN THE INTERMEDIATE PHASE
Class number 4353
NQF credits: 24 at HEQSF level 6
Convener: C Kühne
Course entry requirements: ACE admission criteria.
Course outline: This course focuses on developing students’ knowledge and understanding of cognitive/conceptual development of numeracy and literacy (in particular reading and writing). Current theories of learning, learning trajectories and frameworks will be explored in detail. Students will have an opportunity to link this to the classroom, curriculum planning and assessment. Students will engage with issues relating to numeracy and literacy acquisition in practice which includes diagnosing learners’ difficulties, learning styles, matching learning and teaching.

DP requirements: 80% attendance record plus submission of all assessment requirements.
Assessment: Assignments and school-based tasks count 60%; one culminating teaching related portfolio counts 40%.

EDN4181W  TEACHING IN THE INTERMEDIATE PHASE
Class number 4355
NQF credits: 24 at HEQSF level 6
Convener: C Kühne
Course entry requirements: ACE admission criteria.
Course outline: This course focuses on classroom/teaching; education theories, teaching strategies and methodologies, differentiated instructional pedagogy, inclusion and diversity. Students will engage with issues relating to the teaching of numeracy and literacy in practice such as addressing learners’ difficulties, evaluating different ways of teaching so that the varied needs of learners are addressed.

DP requirements: 80% attendance record plus submission of all assessment requirements.
Assessment: Assignments and school-based tasks 60%; one culminating teaching related portfolio 40%.

EDN4182W  INTERMEDIATE PHASE MATHEMATICS
Class number 4358
NQF credits: 24 at HEQSF level 6
Convener: G Powell
Course entry requirements: ACE admission criteria.
Course outline: This course focuses on developing students’ knowledge of the common philosophy of mathematics education reform as a significant paradigm shift from teaching isolated mathematics content topics to learning the principles of mathematics with understanding. Students will engage with issues relating to the teaching and learning of mathematics such as differentiated classroom management, diagnosis of learners’ difficulties and differentiated ways of teaching mathematics content, planning (curriculum) and assessment in line with the NCS.

DP requirements: 80% attendance record plus submission of all assessment requirements.
Assessment: Assignments and tests 50%; one two-hour examination 50%.

EDN4183W  INTERMEDIATE PHASE LANGUAGE
Class number 4361
NQF credits: 24 at HEQSF level 6
Convener: D Hendricks
Course entry requirements: ACE admission criteria.
Course outline: This course focuses on the relationship between pedagogical beliefs (theory and policy) in language and literacy education and classroom practice. This course will engage students in the application of these theories and practices in their classroom, and includes the following topics: reading and writing as social practice; an analysis of different text types; engaging with meaning as a reader and writer; literacy pedagogy; and critical literacy.

DP requirements: 80% attendance record plus submission of all assessment requirements.
Assessment: Assignments and tests 50%; one two-hour examination 50%.
EDN4184F ADULT EDUCATION AND DEVELOPMENT
(Not offered in 2014)
NQF credits: 24 at HEQSF level 6
Convener: Dr S Ismail
Course entry requirements: ACE entrance criteria.
Course outline: This half-semester compulsory course will provide a comparative overview of adult education and training practice in relation to different theories of economic and social development. It will analyse the implications of current processes of globalisation, organisational and technological change for conceptions of knowledge and adult learning, and the emergence of notions such as 'lifelong learning' and the 'learning organisation'.
DP requirements: At least 80% attendance record and submission of all assignments and projects.
Assessment: By examination.

EDN4185F ADULT EDUCATION AND THE WORKPLACE
(Not offered in 2014)
NQF credits: 24 at HEQSF level 6
Convener: TBA
Course entry requirements: ACE entrance criteria.
Course outline: This half-semester option will describe and analyse the ways in which adult education practices interact with the demands of the workplace within the broader context of the changing South African economy. A particular focus will be the impact of current global and technological changes on human resources development and on education and training priorities.
DP requirements: At least 80% attendance record and submission of all assignments and projects.
Assessment: By assignment.

EDN4186F LITERACY AND ADULT BASIC EDUCATION
(Not offered in 2014)
NQF credits: 24 at HEQSF level 6
Convener: TBA
Course entry requirements: ACE entrance criteria.
Course outline: This half-semester option provides an historical and comparative perspective on literacy and illiteracy and of related intervention programmes. It will focus on literacy and adult basic education in the South African context, including issues of policy development, institutionalisation of practices and professionalisation.
DP requirements: At least 80% attendance record and submission of all assignments and projects.
Assessment: By assignment.

EDN4200W RESEARCH IN SCHOOL SUBJECT CONTENT
Class number 10701
NQF credits: 24 at HEQSF level 8
Convener: Associate Professor R Siebörger
Course entry requirements:
Course outline: The writing of a paper or report on the relevance and application of an approved area of specific subject content knowledge to the school curriculum. Its focus is the recontextualisation of knowledge for the school curriculum and its pedagogy and/or assessment. The paper will be supervised by a supervisor(s) working in the subject area concerned. (Candidates will be accepted subject to the identification and availability of a supervisor.) (Note: The paper is not intended as a study of pedagogy/subject method teaching per se.)
DP requirements: Submission of an 8 000 word paper by due date.
Assessment: Paper counts 100%. 
EDN4500W EMERGING TECHNOLOGIES IN EDUCATION
Class number 11377
NQF credits: 30 at HEQSF level 8
Convener: Associate Professor D Ng’ambi
Course entry requirements: Postgraduate Diploma in Educational Technology Course entry requirements.
Course outline: The course will cover the history of educational technology before examining the general challenges that face education in the 21st century. We explore the contexts of African education from the level of the international to the national, to the institution to the discipline. Then identify ways in which the affordances of emerging technologies can help educators’ better respond to the teaching and learning challenges of 21st century.

DP requirements:
Assessment: An assignment to conduct a contextually specific situational analysis of the use of technologies to respond to challenges in 21st Century education counts 100%.

EDN4501W ONLINE LEARNING DESIGN
Class number 11378
NQF credits: 30 at HEQSF level 8
Convener: Associate Professor C Hodgkinson-Williams
Course entry requirements: Postgraduate Diploma in Educational Technology Course entry requirements.
Course outline: This course prepares students to design, develop and formatively evaluate online learning interventions within a particular social and cultural context and to adequately explain their design assumptions. This course requires students to critically appraise various models of online learning design by examining their underlying epistemological (knowledge), psycho-social (learning theory) and pedagogical (teaching) assumptions and their associated learning strategies. Students are then required to design, develop and formatively evaluate a prototype online learning intervention using suitable technologies and defend their design choices in an electronic portfolio.

DP requirements:
Assessment: Assignment on online learning design and an electronic portfolio count 100%.

EDN4502W RESEARCH & EVALUATION OF EMERGING TECHNOLOGIES
Class number 11405
NQF credits: 30 at HEQSF level 8
Convener: Associate Professor D Ng’ambi / Dr C Brown
Course entry requirements: Postgraduate Diploma in Educational Technology Course entry requirements.
Course outline: Drawing on global and African research students will use one of the main theoretical perspectives evident in e-learning research as a lens through which to understand the implementation of an educational technology in a specific context. They will use appropriate methodologies to conduct a small scale research project to understand the principles which inform the design of the learning solution or intervention and evaluate the suitability of the intervention in addressing the underlying challenge before making recommendation for future development and implementation decisions.

DP requirements:
Assessment: An evaluation of an online learning intervention counts 100%.

EDN4503W LEARNING TEACHING & EMERGING TECHNOLOGIES
Class number 11379
NQF credits: 30 at HEQSF level 8
Convener: Dr C Brown
Course entry requirements: Postgraduate Diploma in Educational Technology Course entry requirements.

Course outline: This course will investigate the inter-related issues of learning, teaching and technology. It examines key theories of learning to understand how the 21st Century learners globally and specifically in the African context might best engage with various tasks before scrutinizing various pedagogical theories to justify why and in what ways specific teaching strategies and emerging technologies might best support learning.

DP requirements: 80% attendance record plus submission of all assessment requirements.
Assessment: An extended literature review constitutes 100%.