

# **Advanced Certificates in Education (ACE) (120 HEQF credits)**

**Programme Leader:** Associate Professor R F Siebörger

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 module of the certificate is obtained.

## **2. Continuing Professional Teacher Development**

These ACE programmes 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 programmes 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.

### **Exemption and credits:**

Candidates who successfully complete any of the following modules offered by the Schools Development Unit of the School of Education on sub-programmes other than the ACE (Mathematics) will be granted credit for and exemption from a maximum of three of the equivalent courses on the ACE (Mathematics) sub-programme, subject to the curriculum requirements:

- (1) Mathematics Education A
- (2) Mathematics Education B (Primary)
- (3) Mathematics Education B (Secondary)
- (4) Mathematics Education and Technology

- (5) Mathematics Content A
- (6) Mathematics Content B (Primary)
- (7) Mathematics Content B (Secondary)
- (8) EDN4038W Mathematics Content A
- (9) EDN4102W Mathematics Content B
- (10) EDN4101W Mathematics Content C
- (11) EDN4156W Mathematics Content D
- (12) EDN4103W Science and Mathematics in the New Curriculum

Candidates who successfully completed either of the following modules offered by the Schools Development Unit of the School of Education on the sub-programme ACE (Science) before 2004 will be granted credit for and exemption from the equivalent courses on this ACE (Science) sub-programme, subject to the curriculum requirements:

- (1) EDN4103W Science and Mathematics in the New Curriculum
- (2) EDN4105W Teaching Mathematics and Science

Exemption from and credit for other courses will be considered on application.

## **ACE (Education Management and Leadership Development) [HU038]**

**Convener:** J D Gilmour

This course 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 programme. This impacts on the mode of delivery, the assessment methodology, and the degree of site-based assessment and support which is offered. Broadly, the programme 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 programme 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.

<b>Fundamental modules:</b>		<b>HEQF credits</b>	<b>HEQF level</b>
EDN4161W	Basic Computer Literacy	4	5
EDN4162W	Effective Language Skills	6	5

**Core modules:**

EDN4160W	School Management and Leadership in the South African Context	10	5
EDN4164W	Management Portfolio	10	5
EDN4165W	Leading and Managing People in Schools ( <i>Not offered in 2012</i> )	20	5
EDN4166W	Organizational Systems, Physical and Financial Resource Management for Schools ( <i>Not offered in 2012</i> )	20	5
EDN4167W	Policy, Planning and Governance	20	5
EDN4168W	Managing Teaching and Learning	20	5

**Electives:**

<b>Select two modules from the list below</b> (not all modules will be offered every year):		<b>HEQF credits</b>	<b>HEQF level</b>
EDN4163W	Outcomes-Based Assessment ( <i>Not offered in 2012</i> )	10	5
EDN4169W	Moderation of Assessment in Schools ( <i>Not offered in 2012</i> )	10	5
EDN4170W	Management of Subject Areas/Learning Areas/Phases	10	5
EDN4171W	Mentoring for School Managers ( <i>Not offered in 2012</i> )	10	5

## **ACE (Language, Mathematics and Curriculum Leadership – Intermediate Phase) [HU040]**

**Convener:** K Hassan

**Curriculum:**

		<b>HEQF credits</b>	<b>HEQF level</b>
EDN4178H	Intermediate Phase Curriculum Leadership A	12	5
EDN4179H	Intermediate Phase Curriculum Leadership B	12	5
EDN4180W	Learning in the Intermediate Phase	24	5
EDN4181W	Teaching in the Intermediate Phase	24	5
EDN4182W	Intermediate Phase Mathematics	24	5
EDN4183W	Intermediate Phase Language	24	5

## **ACE (Life Orientation) [HU033]**

**Convener:** Dr E Rooth

**Curriculum:**

EDN4143W	Life Orientation in Perspective	24	5
EDN4144W	Life Skills and Social Education	24	5
EDN4145W	Community Health and the School	24	5
EDN4146W	Life Skills Practicum	24	5
EDN4147W	Research Report: Life Orientation	24	5

All modules are compulsory.

## **ACE (Literacy, Numeracy and Curriculum Leadership – Foundation Phase) [HU039]**

**Convener:** C Kühne

### **Curriculum:**

EDN4172H	Foundation Phase Curriculum Leadership A	12	5
EDN4173H	Foundation Phase Curriculum Leadership B	12	5
EDN4174W	Learning in the Foundation Phase	24	5
EDN4175W	Teaching in the Foundation Phase	24	5
EDN4176W	Foundation Phase Numeracy	24	5
EDN4177W	Foundation Phase Literacy	24	5

## **ACE (Mathematical Literacy) [HU034]**

**Convener:** A Roberts

### **Curriculum:**

EDN4008H	Mathematical Literacy Curriculum A	12	5
EDN4009H	Mathematical Literacy Curriculum B	12	5
EDN4121W	Mathematical Literacy: Number	24	5

		<b>HEQF credits</b>	<b>HEQF level</b>
EDN4122W	Mathematical Literacy: Algebra	24	5
EDN4123W	Mathematical Literacy: Data Handling	24	5
EDN4148W	Mathematical Literacy: Shape and Measurement	24	5

All modules are compulsory.

## **ACE (Mathematics) [HU027]**

**Conveners:** G Powell and Y Johnson

### **Curriculum:**

#### *At the GET level:*

EDN4004H	GET Mathematics Curriculum A	12	5
<b>AND</b>			
EDN4005H	GET Mathematics Curriculum B	12	5
<b>OR</b>			
EDN4103W	Science and Mathematics in the New Curriculum	24	5
EDN4124W	GET Mathematics: Number	24	5
EDN4125W	GET Mathematics: Algebra	24	5
EDN4127W	GET Mathematics: Shape & Measurement	24	5
EDN4128W	GET Mathematics: Data Handling	24	5

#### *At the FET level:*

EDN4006H	FET Mathematics Curriculum A	12	5
EDN4007H	FET Mathematics Curriculum B	12	5
EDN4149W	FET Mathematics: Number	24	5
EDN4150W	FET Mathematics: Algebra	24	5
EDN4151W	FET Mathematics: Shape & Measurement	24	5
EDN4152W	FET Mathematics: Data Handling	24	5

## **ACE (Multilingual Education) [HU028]**

(Not offered in 2012)

**Convener:** TBA

**Curriculum:**

EDN4001F	Language, Culture and Society ( <i>not offered in 2012</i> )	24	5
EDN4003F	Language, Learning and the New Curriculum ( <i>not offered in 2012</i> )	24	5
EDN4003S	Implementing S A's Language in Education Policy ( <i>not offered in 2012</i> )	24	5
EDN4104W	Creating Materials for the Multilingual Classroom ( <i>not offered in 2012</i> )	24	5
EDN4106W	Additional Language Proficiency ( <i>not offered in 2012</i> )	24	5

All modules are compulsory.

## **ACE (Science) [HU029]**

**Convener:** N Davies and 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.

<b>Curriculum:</b>	<b>HEQF credits</b>	<b>HEQF level</b>
<b>At the GET level:</b>		
EDN4107W	Science Content A (Life Sciences)	24 5
EDN4108W	Science Content B (Earth Sciences)	24 5
EDN4109W	Science Content C (Physical Sciences)	24 5
EDN4129W	Natural Sciences in the New Curriculum <b>OR</b>	
EDN4103W	Science and Mathematics in the New Curriculum	24 5
EDN4131H	Teaching Natural Sciences A	12 5
EDN4132H	Teaching Natural Sciences B	12 5
<b>At the FET level:</b>		
EDN4140W	Science Content D (Physics)	24 5
EDN4141W	Science Content E (Chemistry)	24 5
EDN4142W	Mathematics for Science Teachers	24 5
EDN4153W	Physical Sciences in the New Curriculum	24 5
EDN4154H	Teaching Physical Sciences A	12 5
EDN4155H	Teaching Physical Sciences B	12 5

## **SPECIALISED CURRICULA**

### **1. ADULT EDUCATION**

**Co-ordinator:** Associate Professor L Cooper (CHED)

**Who should seek admission to this stream?**

Adult education, training and development practitioners, present or future planners, consultants or policy analysts in the field of adult education and training, leaders of community, trade union or skills development institutions, or graduates who have an interest in adult education and human resource development issues.

**General aims:**

This curriculum aims to equip graduates with theoretical and contextual understanding necessary to engage critically with current policies and debates in the skills development field, to reflect on and enhance the quality of adult education and training practice, and to identify fruitful areas of research.

**Compulsory courses:**

	<b>HEQF credits</b>	<b>HEQF level</b>
EDN6091F Adult Learning and Experience	36	9
AND at least one course from the following:		
EDN6092S Workplace Education/Training Policy: Education & Training in S A	36	9
EDN6005S Knowledge, Learning and the Organisation of Work	36	9
EDN6006F Adult Learning in Informal Social Contexts	36	9

**Elective courses:**

Up to two of the following:

EDN6001F Pedagogy, Knowledge and Society	36	9
EDN6076F Languages and Literacies in Theory and Use	36	9
EDN6079S Literacy, Work and Basic Adult Education	36	9

Any approved course offered in the School of Education, or other Departments in the Faculty of Humanities or in any other faculty of the University.

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**EDN4001F LANGUAGE, CULTURE AND SOCIETY**

*(Not offered in 2012)*

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**EDN4003F LANGUAGE, LEARNING AND THE NEW CURRICULUM**

*(Not offered in 2012)*

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**EDN4003S IMPLEMENTING SOUTH AFRICA'S LANGUAGE IN EDUCATION**

*(Not offered in 2012)*

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**EDN4004H GET MATHEMATICS CURRICULUM A**

HEQF credits: 12 at level 5.

**Course convener:** G Powell.

**Entrance 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**

HEQF credits: 12 at level 5.

**Course convener:** G Powell.

**Entrance 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%.

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### **EDN4006H FET MATHEMATICS CURRICULUM A**

HEQF credits: 12 at level 5.

**Course convener:** Y Johnson.

**Entrance 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**

HEQF credits: 12 at level 5.

**Course convener:** Y Johnson.

**Entrance 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**

HEQF credits: 12 at level 5.

**Course convener:** A Roberts.

**Entrance 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**

HEQF credits: 12 at level 5.

**Course convener:** A Roberts.

**Entrance 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**

HEQF credits: 24 at level 5.

**Course convener:** G Powell and N Mgoqi.

**Entrance 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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**EDN4104W** CREATING MATERIALS FOR THE MULTILINGUAL CLASSROOM  
(Not offered in 2012)

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**EDN4106W** ADDITIONAL LANGUAGE PROFICIENCY  
(Not offered in 2012)

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**EDN4107W** SCIENCE CONTENT A (Life Sciences)

HEQF credits: 24 at level 5.

**Course convener:** N Mgoqi.

**Entrance 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)

HEQF credits: 24 at level 5.

**Course convener:** A Petersen.

**Entrance requirements:** ACE admission criteria.

**Course outline:** Whole-year module.

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)

HEQF credits: 24 at level 5.

**Course convener:** G Dolo.

**Entrance requirements:** ACE admission criteria..

**Course outline:** Whole-year module.

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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**EDN4120S EVALUATION RESEARCH PROJECTS**

*(Not offered in 2012)*

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**EDN4121W MATHEMATICAL LITERACY: NUMBER**

HEQF credits: 24 at level 5.

**Course convener:** A Roberts.

**Entrance 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%.

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**EDN4122W MATHEMATICAL LITERACY: ALGEBRA**

HEQF credits: 24 at level 8.

**Course convener:** R Mackay.

**Entrance 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%.

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**EDN4123W MATHEMATICAL LITERACY: DATA HANDLING**

HEQF credits: 24 at level 5.

**Course convener:** R Mackay.

**Entrance 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%.

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**EDN4124W GET MATHEMATICS: NUMBER**

HEQF credits: 24 at level 5.

**Course convener:** K Hassan.

**Entrance 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%.

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**EDN4125W GET MATHEMATICS: ALGEBRA**

HEQF credits: 24 at level 5.

**Course convener:** G Powell.

**Entrance 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%.

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**EDN4126W COMMUNICATION SKILLS IN XHOSA (non- credit bearing)**

**Course convener:** To be advised.

**Entrance requirements:** PGCE admission criteria.

**Course outline:** A written examination at the beginning of the year is aimed at placing candidates in one of the following categories:

- 1) "X" Fluent and able to teach through the medium of Xhosa.
- 2) "x" Reasonable reading and comprehension skills. Limited writing and conversational skills.
- 3) "NQ/No Qualification": Hardly any practical knowledge of Xhosa.

*Please note: Failure to obtain an "X" or "x" does not exclude candidates from completing their diplomas or from being appointed in a permanent post. In certain teaching contexts, however, a qualification in Xhosa may be a prerequisite or a strong recommendation.*

No tutorials are offered.

**DP requirements:** At least 80% attendance is required at lectures. Submission and satisfactory completion of all assignments.

**Assessment:** One two-hour examination in February, 50% and a one-hour practical examination during the course of the year, 50%.

*NOTE: The fees for this course are not included in the tuition fees for the Certificate. Details will be available at registration.*

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**EDN4127W GET MATHEMATICS: SHAPE AND MEASUREMENT**

HEQF credits: 24 at level 5.

**Course convener:** G Powell.

**Entrance 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%.

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### **EDN4128W GET MATHEMATICS: DATA HANDLING**

HEQF credits: 24 at level 5.

**Course convener:** G Powell.

**Entrance 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**

HEQF credits: 24 at level 5.

**Course convener:** N Mgoqi.

**Entrance requirements:** ACE admission criteria.

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

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**

HEQF credits: 12 at level 5.

**Course convener:** G Dolo.

**Entrance requirements:** ACE admission criteria.

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

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**

HEQF credits: 12 at level 5.

**Course convener:** A Petersen.

**Entrance 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%.

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### **EDN4133W NATURAL SCIENCE AND TECHNOLOGY**

HEQF credits: 20 at level 8.

**Course convener:** Associate Professor A Hattingh.

**Entrance 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%.

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### **EDN4134W MATHEMATICS**

HEQF credits: 10 at level 8.

**Course convener:** S Jaffer.

**Entrance 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%.

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### **EDN4140W SCIENCE CONTENT D (Physics)**

HEQF credits: 24 at level 5.

**Course convener:** N Davies.

**Entrance 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%.

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### **EDN4141W SCIENCE CONTENT E (Chemistry)**

HEQF credits: 24 at level 5.

**Course convener:** N Mgoqi.

**Entrance requirements:** ACE admission criteria.

**Course outline:** Whole-year module.

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%.

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### **EDN4142W MATHEMATICS FOR SCIENCE TEACHERS**

HEQF credits: 24 at level 5.

**Course convener:** N Davies.

**Entrance 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%.

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### **EDN4143W LIFE ORIENTATION IN PERSPECTIVE**

HEQF credits: 24 at level 5.

**Course convener:** Dr E Rooth.

**Entrance requirements:** ACE admission criteria.

**Course outline:**

- The National Curriculum Statement and Life Orientation.
- Concepts pertinent to Outcomes Based Education and specifically Life Orientation, including models of facilitation, group work, experiential learning and reflection.
- Assessment in Life Orientation.
- Models for learning activities /workshop and learning programme design.
- Classroom management
- Integration of learning outcomes within Life Orientation and with other learning areas.
- Theoretical underpinnings regarding health, personal, social, physical and career education.
- Personal development and psychosocial skills: understanding life skills.
- Health Promoting Schools and Safer Schools.
- Values in Education, HIV/AIDS education, Human Rights and Environmental Education in the Life Orientation curriculum.
- The learner in perspective.

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

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

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### **EDN4144W LIFE SKILLS AND SOCIAL EDUCATION**

HEQF credits: 24 at level 5.

**Course convener:** Dr E Rooth.

**Entrance requirements:** ACE admission criteria.

**Course outline:** Students will be required to participate in sessions dealing with the curriculum in action and practical strategies for the classroom. An in-depth exposition of the use of innovative strategies to aid Life Orientation education, including the use of metaphor, storytelling, role play, clay-work, drawing, dance, music, visualisation, creative object making and play will be cardinal to this module. Focus will be on process analysis and strategies for use in the classroom.

**Life skills:**

- Conflict management & peace education
- Creative problem solving
- Decision making & Goal setting
- Emotional intelligence
- Learning from experience
- Relationships & the dating game
- Self-concept enhancement
- Stress management & coping with depression
- Study and self-management skills

**Social education:**

- Community building
  - Gender based violence prevention
  - Human Rights
  - Opposing racism
  - Understanding, respect and knowledge of a range of religions
- DP requirements:** At least 80% attendance record plus submission of all assignments.  
**Assessment:** Assignments and tests 50%; a two-hour written examination 50%.

## **EDN4145W COMMUNITY HEALTH AND THE SCHOOL**

HEQF credits: 24 at level 5.

**Course convener:** Dr E Rooth.

**Entrance requirements:** ACE admission criteria.

**Course outline:** Students will be required to participate in sessions dealing with the curriculum in action and practical strategies for the classroom. An in-depth exposition of the use of innovative strategies to aid Life Orientation education, including the use of metaphor, storytelling, role play, clay-work, drawing, dance, music, visualisation, creative object making and play will be cardinal to this module. Focus will be on process analysis and strategies for use in the classroom.

### **Health education:**

- HIV/AIDS prevention & coping skills
- Preventing communicable diseases
- Environmental awareness & pro-activity
- Nutrition
- Sexuality education
- Healthy lifestyle development
- Safety education

### **Physical Education:**

- Indigenous games
- Physical activities to promote holistic learner development
- Orienteering design & implementation
- Self-protection skills
- Developing life-long fitness programmes
- Fair play and ethics in sport & athletics

### **Careers:**

- Self-knowledge and interests
- Work shadow programmes
- Career information: access and exploration
- Community work and job skills programmes
- Self-employment and entrepreneurship

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

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

## **EDN4146W LIFE SKILLS PRACTICUM**

HEQF credits: 24 at level 5.

**Course convener:** Dr E Rooth.

**Entrance requirements:** Successful completion of EDN4143W Life Orientation in Perspective, EDN4144W Life Skills and Social Education, and EDN4145W Community Health and the School.

**Course outline:** Candidates will be required to present a minimum of 12 hours of workshops/lessons regarding Life Orientation at a school, children's home or youth centre.

Requirement prior to intervention: a needs analysis comprising visits to school or organisation, interviews with educators as well as learners or future course participants, questionnaire administration and analysis. A minimum of 2 hours contact time at institution unit prior to intervention.

Candidates will be required to attend a minimum of 2 tutorials during this period to report on progress and share problems/successes.

Candidates who are not attached to schools or organisations where they can do an internship will be assigned to suitable organisations/schools for the period required.

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

**Assessment:** Written report and project 100%.

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### **EDN4147W RESEARCH REPORT: LIFE ORIENTATION**

HEQF credits: 24 at level 5.

**Course conveners:** Dr E Rooth.

**Entrance requirements:** ACE admission criteria.

**Course outline:** The topics provide an opportunity to gain further in-depth knowledge of a field in which candidates have a particular interest or professional need.

TWO options from the following (not all electives will necessarily be offered - subject to availability and student demand):

- Basic counselling skills & developing peer-counselling programmes
- Careers education and entrepreneurship
- Child abuse prevention
- Environmental education
- First Aid
- Gender based violence
- HIV/AIDS prevention: advanced course
- Human Rights
- Peace education and Safer Schools Projects
- Physical education
- Rape prevention and coping skills
- Religion education
- Substance abuse
- Youth adventure and wilderness camps & development programmes

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

**Assessment:** Written assignments and projects 100%.

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### **EDN4148W MATHEMATICAL LITERACY: SHAPE AND MEASUREMENT**

HEQF credits: 24 at level 5.

**Course convener:** A Roberts.

**Entrance 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 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 shape, space and measurement.

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

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

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### **EDN4149W FET MATHEMATICS: NUMBER**

HEQF credits: 24 at level 5.

**Course convener:** Y Johnson.

**Entrance 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%.

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### **EDN4150W FET MATHEMATICS: ALGEBRA**

HEQF credits: 24 at level 5.

**Course convener:** Y Johnson.

**Entrance 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%.

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### **EDN4151W FET MATHEMATICS: SHAPE & MEASUREMENT**

HEQF credits: 24 at level 5.

**Course convener:** Y Johnson.

**Entrance requirements:** ACE entrance criteria.

**Course outline:** This course extends students' knowledge of GET geometry and uses Euclidean, Co-ordinate 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%.

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### **EDN4152W FET MATHEMATICS: DATA HANDLING**

HEQF credits: 24 at level 5.

**Course convener:** Y Johnson.

**Entrance 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%.

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### **EDN4153W PHYSICAL SCIENCES IN THE NEW CURRICULUM**

HEQF credits: 24 at level 5.

**Course convener:** N Davies.

**Entrance 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%.

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### **EDN4154H TEACHING PHYSICAL SCIENCES A**

HEQF credits: 12 at level 5.

**Course convener:** G Dolo.

**Entrance 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%.

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### **EDN4155H TEACHING PHYSICAL SCIENCES B**

HEQF credits: 12 at level 5.

**Course convener:** N Davies.

**Entrance 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**

HEQF credits: 10 at level 5.

**Course convener:** J D Gilmour.

**Entrance 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**

HEQF credits: 4 at level 5.

**Course convener:** J D Gilmour.

**Entrance requirements:** ACE entrance criteria.

**Course outline:** Candidates should demonstrate a basic competency in ITC skills. The module 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**

HEQF credits: 6 at level 5.

**Course convener:** J D Gilmour.

**Entrance 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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### **EDN4163W OUTCOMES-BASED ASSESSMENT FOR SCHOOL MANAGEMENT**

*(Not offered in 2012)*

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### **EDN4164W SCHOOL MANAGEMENT AND LEADERSHIP PORTFOLIO**

HEQF credits: 10 at level 5.

**Course convener:** J D Gilmour.

**Entrance requirements:** None

**Course outline:** The purpose of this module 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 module 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 2012)*

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### **EDN4166W ORGANISATIONAL SYSTEMS, PHYSICAL AND FINANCIAL RESOURCE MANAGEMENT FOR SCHOOLS**

*(Not offered in 2012)*

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### **EDN4167W POLICY, PLANNING, SCHOOL DEVELOPMENT AND GOVERNANCE FOR SCHOOL MANAGEMENT**

HEQF credits: 20 at level 5.

**Convener:** J D Gilmour.

**Entrance requirements:** ACE admission criteria.

**Course outline:** The starting point for this module is the work done in the first module 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

HEQF credits: 20 at level 5.

**Convenor:** J D Gilmour.

**Entrance requirements:** ACE admission criteria.

**Course outline:** The module 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 2012)*

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

HEQF credits: 10 at level 5.

**Convenor:** J D Gilmour.

**Entrance requirements:** ACE admission criteria.

**Course outline:** The module 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 100%.

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**EDN4171W** MENTORING FOR SCHOOL MANAGERS

*(Not offered in 2012)*

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**EDN4172H** FOUNDATION PHASE CURRICULUM LEADERSHIP A

HEQF credits: 24 at level 5.

**Course convenor:** K Hassan.

**Entrance 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

HEQF credits: 24 at level 5.

**Course convenor:** K Hassan.

**Entrance 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**

HEQF credits: 24 at level 5.

**Course convener:** C Kühne.

**Entrance 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**

HEQF credits: 24 at level 5.

**Course convener:** C Kühne.

**Entrance 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**

HEQF credits: 24 at level 5.

**Course convener:** G Powell.

**Entrance 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%.

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### **EDN4177W FOUNDATION PHASE LITERACY**

HEQF credits: 24 at level 5.

**Course convener:** N Parsotam.

**Entrance 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 module 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%.

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### **EDN4178H INTERMEDIATE PHASE CURRICULUM LEADERSHIP A**

HEQF credits: 24 at level 5.

**Course convener:** K Hassan.

**Entrance 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 all assessment requirements.

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

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### **EDN4179H INTERMEDIATE PHASE CURRICULUM LEADERSHIP B**

HEQF credits: 24 at level 5.

**Course convener:** K Hassan.

**Entrance 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%.

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### **EDN4180W LEARNING IN THE INTERMEDIATE PHASE**

HEQF credits: 24 at level 5.

**Course convener:** C Kühne.

**Entrance 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%.

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### **EDN4181W TEACHING IN THE INTERMEDIATE PHASE**

HEQF credits: 24 at level 5.

**Course convener:** C Kühne.

**Entrance 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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### **EDN4182W INTERMEDIATE PHASE MATHEMATICS**

HEQF credits: 24 at level 5.

**Course convener:** G Powell.

**Entrance 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%.

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### **EDN4183W INTERMEDIATE PHASE LANGUAGE**

HEQF credits: 24 at level 5.

**Course convener:** N Parsotam.

**Entrance 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%.

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### **EDN4184F ADULT EDUCATION AND DEVELOPMENT**

*(Not offered in 2012)*

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### **EDN4185F ADULT EDUCATION AND THE WORKPLACE**

*(Not offered in 2012)*

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### **EDN4186F LITERACY AND ADULT BASIC EDUCATION**

*(Not offered in 2012)*

