

## **BACHELOR OF SCIENCE IN ENVIRONMENTAL AND WATER SCIENCE (3331)**

### **B.46 ADMISSION**

Unless Senate decides otherwise, candidates will be required to meet the following criteria to be enrolled for the degree: **Bachelor of Science - BSc (Environmental and Water Science)**

#### **B.46.1 Admission requirements for applicants who matriculated from 2008**

- (a) The National Senior Certificate for Bachelor's Degree study plus a score of no less than 33 points calculated according to the University's approved points system, as well as the following specific subject requirements:
- level 4 (50-59%) in English (home or first additional language) and
  - level 3 (40-49%) in Another Language (home or first additional language) and
  - level 4 (50-59%) in Mathematics and
  - level 4 (50-59%) in Physical Science or
  - level 4 (50-59%) in Life Sciences

**OR**

- (b) A qualification or level of competence which the Senate of the University has deemed to be equivalent to the requirements stipulated in (a) above.

#### **B.46.2 Admission requirements for applicants who matriculated before 2008**

- (a) Unless Senate decides otherwise, no person shall be admitted to any of the programmes for the BSc degree without having obtained a full matriculation or age exemption. Furthermore, no person shall be admitted to any of the BSc programmes if he/she has not obtained a pass in Mathematics and either Physical Science or Biology at Higher grade with at least a D symbol or at Standard grade with at least a C symbol.

**OR**

- (b) A qualification or level of competence that the Senate of the University has deemed to be equivalent to the requirements stipulated in (a) and (b) above.

#### **B.46.3 Alternate admission**

Alternate admission does not apply to this programme.

### **B.47 SELECTION**

As only a limited number of students can be admitted to the programmes, applicants will be subject to a selection procedure.

### **B.48 DURATION**

Unless Senate decides otherwise, the minimum duration of the curriculum is 3 years with a maximum permitted registration time of 5 years.

## B.49 CURRICULUM

### B.49.1 Level 1

Module Name	Alpha Code	Cred
<b>Compulsory (select all groups)</b>		
<b>Group 1 (select all modules)</b>		
Earth Science 111	ESC111	15
Earth Science 121	ESC121	15
<b>Group 2 (select 1 module)</b>		
Chemistry 116	CHE116	15
Chemistry 126	CHM126	15
<b>Group 3 (select 1 module)</b>		
English for Educational Development 117	EED117	15
English for Educational Development 127	EED127	15
<b>Group 4 (select 1 module)</b>		
Statistics 111	STA111	15
Statistics 125	STA125	15
	<b>Sub-total</b>	<b>75</b>
<b>Electives (select 2 groups)</b>		
<b>Group 1 (select all modules)</b>		
Life Science 141	LSC141	15
Life Science 142	LSC142	15
<b>Group 2 (select all modules)</b>		
Physics 116 (N)	PHY116	15
Physics 126 (N)	PHY126	15
	<b>Sub-total</b>	<b>60</b>
	<b>Total</b>	<b>135</b>

### B.49.2 Level 2

#### Compulsory Modules

Module Name	Alpha Code	Cred
Environmental & Water Science 211	EWP211	20
Environmental & Water Science 221	EWP221	20
Environmental & Water Science 222	EWP222	20
	<b>Sub-total</b>	<b>60</b>

**Electives (select any 2 modules from groups 1 to 3 PLUS one other module = 60 credits)**

#### Group 1 (select 2 modules)

Biodiversity & Conservation 211	BDC211	20
Biodiversity & Conservation 221	BDC221	20
Biodiversity & Conservation 222	BDC222	20
Biodiversity & Conservation 223	BDC223	20

#### Group 2 (select all modules)

Geology 231	APG231	20
Geology 232	APG232	20

#### Group 3 (select all modules)

Physics 217	PHY217	20
Physics 227	PHY227	20
	<b>Sub-total</b>	<b>60</b>
	<b>Total</b>	<b>120</b>

### B.49.3 Level 3

<b>Module Name</b>	<b>Alpha Code</b>	<b>Cred</b>
<b>Compulsory (select all modules)</b>		
Environmental & Water Science 311	EWP311	30
Environmental & Water Science 312	EWP312	30
Environmental & Water Science 321	EWP321	30
Environmental & Water Science 322	EWP322	30
	<b>Total</b>	<b>120</b>
	<b>FINAL TOTAL</b>	<b>375</b>

## **B.50 ASSESSMENT**

**B.50.1** Assessment is generally governed by Rule A5 as stipulated in the General Calendar: General Information Part 1 in addition to the following:

### **B.50.2 Subminima**

Modules in which a practical component is taken, a sub-minimum of 40% is required in the practical part.

### **B.50.3 Weight of practical component**

**B.50.3.1** The percentage of the total marks allocated to the practical examination where it forms part of the theory evaluation shall not exceed 50%.

**B.50.3.2** For the purpose of promotion, the practical modules shall not be credited independently of the theory modules of a particular subject.

### **B.50.4 Final mark**

Except where otherwise indicated, the final mark shall be obtained by means of a system of continuous evaluation, which will differ from subject to subject, combined with examinations as indicated in the University's Assessment Policy.

### **B.50.5 Re-evaluation of practical modules**

No re-evaluation will be allowed for practical modules that are evaluated on a continuous basis.

### **B.50.6 Attendance of practicals**

In the programme Medical Biosciences and Biotechnology a minimum attendance of 80% of the practicals is required to gain access to the examination in addition to the 40% subminimum needed in the coursework mark.

## **B.51 PROMOTION RULES**

Unless Senate decides otherwise and with due regard to Rule A.3.2.3 or unless specified differently for the programme concerned, the following will apply:

### **B.51.1 Level 1**

A student shall be admitted to the second year of study when 105 credits have been obtained of the 135 credits required in the first year of study and when all prerequisites for admission to the second year level modules have been met.

### **B.51.2 Level 2**

Promotion to the third year of study will be allowed when at least a total of 215 credits have been obtained after the second year of study and when all 135 credits of the first year of the curriculum have been obtained.

## **B.52 ADVANCE REGISTRATION**

**B.52.1** Notwithstanding the above, a student who has not obtained sufficient credits to promote, may register for subject modules at the higher level in anticipation of promotion in the following year, provided all pre-requisites for the higher level module have been met and no time-table clashes will occur as a result of this registration.

### **B.52.2 Level 1**

The maximum number of credits a year level 1 student may anticipate is 40 credits, on obtaining at least 75 credits at year level 1.

### **B.52.3 Level 2**

**B.52.3.1** The maximum number of credits a year level 2 student may anticipate is 60 credits, on obtaining at least 80 credits at year level 2.

**B.52.3.2** **Please Note:** Students are advised to complete all first year modules before proceeding to 3<sup>rd</sup> year level.

## **B.53 RENEWAL OF REGISTRATION**

**B.53.1** The renewal of registration will be governed by the Rule A.3.2.3, as stipulated in the University Calendar: General Information Part 1.

**B.53.2** Unless Senate decides otherwise, students who are academically refused in terms of Rule A.3.2.3 may apply in writing to the Dean to be re-admitted if they can provide evidence of extenuating circumstances which have prevented them from doing justice to the course AND can show that these circumstances have changed to the extent that success upon re-registration can reasonably be expected.

**B.53.3** **Please Note:** This rule may only be invoked once in the entire duration of the degree programme.

## **B.54 SPECIAL REQUIREMENTS FOR THE PROGRAMME**

### **B.54.1 Modules from other faculties**

**B.54.1.1** A maximum of 30 credits in modules from other faculties will be permitted, except in the case of Computer Science students who will be allowed to take Information Systems as a subject in their programme.

**B.54.1.2** At least 100 of the total number of credits obtained at second and third year level shall be in one and the same programme.

**B.54.1.3** Computer Literacy in Science (CLS) and English for Educational Development (EED): These are compulsory, credit bearing modules, comprising one semester module for Computer Literacy and one semester module for EED.

### **B.54.2 Exemption from CLS and/or EED**

Students, who have developed these skills already, may apply to the Faculty for exemption from this requirement subject to the general rules of the university. The process to determine their level of competency in these modules may involve one or more assessment events.

When exempted, such students must replace these modules with other modules of their choice to the same credit value.

### **B.54.3 Restriction on choice of modules**

The following limitations apply as regard to modules that can be credited towards obtaining a degree or certificate. Credit will not be granted for:

- B.54.3.1 Chemistry:** (CHE114 and CHE124 OR (CHE116 and CHM126).
- B.54.3.2 Physics:** (PHY111 and PHY121) OR (PHY116 and PHY126) OR (PHY112 and PHY113 and PHY116) OR (PHY151 and PHY152).
- B.54.3.3 Mathematics:** In the case of Mathematics a student will only be credited for either MAT105 OR MAM115 OR (MAT103 and MAT104) OR (MAM151 and MAM152).
- B.54.3.4 Statistics:** In the case of Statistics a student will only be credited for either STA111 or STA125 or STA151 or BUS131 or BUS132 or STA141 or STA142.
- B.54.3.5** Students who obtained credits prior to 1999 will not be allowed to obtain credits for the equivalent modules as offered from 1999.
- B.54.3.6** Students majoring with Environmental and Water Science and Applied Geology will only be credited for either EWP311 or APG311.

### **B.54.4 Endorsed Degree**

- B.54.4.1.** In order to obtain an “endorsed degree” one must obtain at least 240 credits in the core modules of the degree.
- B.54.4.2.** Those who do not fulfill this criterion may be awarded with a BSc degree (not endorsed) provided they have completed 130 credits in a major subject (i.e. at first, second and third year level) and have accumulated a total of 360 credits, with at least 120 credits at each year level.