

# **CALENDAR 2011**

FACULTY OF HEALTH SCIENCES  
POST-GRADUATE

**Potchefstroom Campus**

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**Please note:** Although the information in this Calendar has been compiled with the utmost care and accuracy, the Council and the Senate of the University accept no responsibility whatsoever for errors that may occur. For students finally decide on the selection of modules, they must consult the class timetable. If a clash occurs in the planned selection of a student, the relevant module combination is not permitted.

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## **FACULTY OF HEALTH SCIENCES**

### **Office Bearers**

#### **DEAN**

Prof MJ Viljoen, BA Nursing (UP), Diploma in Midwifery (Queen Victoria Hospital), MCur (Intensive Nursing Care) (UP), BA Hons (Sociology) (UP), MCur (Health Care Administration) (UP), D Soc Sc (UOFS)

#### **ADMINISTRATIVE MANAGER**

Mrs C Postma, BA (PU for CHE), Hons BA (PU for CHE), MA (PU for CHE).

### **RESEARCH ENTITIES**

#### **Centre of Excellence for Nutrition**

**Director:** Prof HH Vorster, BSc (PU for CHE), Hons BSc (PU for CHE), MSc (PU for CHE), DSc (PU for CHE).

#### **Research Unit: Africa Unit for Transdisciplinary Health Research (AUTHeR)**

**Director:** Prof A Kruger, B Soc Sc (Nursing) (UOFS), Hons B Soc Sc (Nursing) (UOFS), MSoc Sc (Nursing) (UOFS), PhD (PU for CHE).

#### **Research Unit: Drug Research and Development**

**Director:** Prof J. Du Plessis, BPharm (PU for CHE), MSc (PU for CHE), PhD (PU for CHE), Diploma in Tertiary Education (PU for CHE).

#### **Focus area: Hypertension in Africa Research Team (HART)**

**Director:** Prof AE Schutte, BSc (PU for CHE), Hons BSc (PU for CHE), MSc (PU for CHE), PhD (PU for CHE)

#### **Niche area: Physical Activity, Sport and Recreation (PHASREC)**

**Niche area leader:** Dr SJ Moss, BSc (PU for CHE), Hons BSc (Biochemistry) (PU for CHE), Hons BSc (Biokinetics) (PU for CHE), MSc (Biochemistry) (PU for CHE), PhD (PU for CHE).

#### **Niche area: Medicine Usage in South Africa (MUSA)**

**Niche area leader:** Prof MS Lubbe, BPharm (PU for CHE), MPharm (Pharmacy Practice) (PU for CHE), PhD (PU for CHE).

### **SCHOOL OF BIKINETICS, RECREATION AND SPORT SCIENCE**

**Director:** Prof JH de Ridder, BA(PU for CHE), HED(PU for CHE), Hons BA(PU for CHE), MA (PU for CHE), PhD(PU for CHE).

#### **Institute for Biokinetics:**

**Head:** Prof DDJ Malan, BSc (PU for CHE), Hons BSc (PU for CHE), MSc (PU for CHE), DSc (PU for CHE).



**Institute for Sport Science and Development:**

**Head:** Prof DDJ. Malan, BSc. (PU for CHE), Hons B.Sc. (PU for CHE), MSc (PU for CHE), DSc (PU for CHE).

**Subject Group Chairs****Biokinetics:**

Prof CJ Wilders, BJur (PU for CHE), BA (PU for CHE), Hons BA (PU for CHE), MA (PU for CHE), PhD. (PU for CHE).

**Kinder Kinetics:**

Prof AE Pienaar, BA (PU for CHE), HED (PU for CHE), Hons BA (PU for CHE), MA (PU for CHE), PhD (PU for CHE).

**Human Movement Sciences:**

Prof MA Monyeki, BA (UNIN), HED (UNIN), Hons BA (UNIN), MA (UNIN), PhD (VU).

**Recreation Science:**

Prof C du P Meyer, BA (UOFS), HED (UOFS), Hons. BA (US.), MA (PU for CHE), PhD (PU for CHE).

**Sport Science:**

Dr B Coetzee, BSc (PU for CHE), Hons BSc (PU for CHE), MSc (PU for CHE), PhD (NWU).

**Diploma in Sport Science:**

Mr PH van den Berg, BA (PU for CHE), HED (PU for CHE), Hons BA (PU for CHE).

**SCHOOL OF PHARMACY**

**Director:** Prof AF Kotzé, BPharm (PU for CHE), MSc (Farmaseutika) (PU for CHE), PhD (Farmaseutika) (PU for CHE)

**Pharmaceutical & Biomedical Services and Products**

**Head:** Prof B Boneschans, BSc (Pharm) (PU for CHE), MSc (Pharmaceutics and Pharmaceutical Chemistry) (PU for CHE), DSc (Pharmaceutics) (PU for CHE).

**Research Institute for Industrial Pharmacy incorporated with Centre for Quality Assurance of Medicine (NIIF/CENQAM)**

**Operational Head:** Dr E Swanepoel, BPharm (PU for CHE), MSc (Pharmaceutics) (PU for CHE), PhD (Pharmaceutics) (PU for CHE).

**Programme Manager: Pharmacy (undergraduate)**

Prof AF Marais, BPharm (PU for CHE), MSc (Pharmaceutics) (PU for CHE), PhD (Pharmaceutics) (PU for CHE).

### **Subject Group Chairs**

#### **Pharmacology:**

Prof L Brand, BPharm (PU for CHE), MSc (Pharmacology) (PU for CHE), PhD (PU for CHE).

#### **Pharmaceutics:**

Dr JH Steenekamp, BPharm (PU for CHE), MSc (Pharmaceutics) (PU for CHE), PhD (Pharmaceutics) (NWU).

#### **Pharmaceutical Chemistry:**

Prof JJ Bergh, BSc (US), BSc (Pharm) (PU for CHE), Hons BSc (PU for CHE), MSc (PU for CHE), DSc (Pharm. Chemistry) (PU for CHE).

#### **Pharmacy Practice:**

Mr WD Basson, BSc (PU for CHE), Hons BSc (Physiology) (PU for CHE), BPharm (PU for CHE), MPharm (Pharmacy practise) (PU for CHE).

#### **Clinical Pharmacy:**

Prof JJ Gerber, BSc (Pharm) (PU for CHE), Hons BSc (Pharmacology) (PU for CHE), Hons BSc (Indus Pharm) (PU for CHE), MSc (Indus Pharm) (PU for CHE), DSc (Pharm) (PU for CHE).

### **SCHOOL OF PHYSIOLOGY, NUTRITION AND CONSUMER SCIENCES**

**Director:** Prof NT Malan, BSc (UOFS), Hons BSc (UOFS), MSc (UOFS), DSc (PU for CHE).

#### **Subject Group Chairs**

##### **Physiology:**

Prof JM van Rooyen, BSc (PU for CHE), Hons BSc (Industrial Physiology), MSc (PU for CHE), DSc (PU for CHE).

##### **Consumer Sciences:**

Dr H de Beer, BSc (Agric) Nutrition Science (UP), MTech. (Environmental Health) (SUT), PhD Microbiology (UF)

##### **Nutrition:**

Prof JC Jerling, BSc (US), Hons BSc (PU for CHE), MSc (PU for CHE), PhD (PU for CHE).

### **SCHOOL OF PSYCHO-SOCIAL BEHAVIOURAL SCIENCES**

**Director:** Prof QM Temane, BA (UNIN), Hons BA (UNIN), M Soc Sc (UNIBO), PhD (NWU).

#### **Institute for Psychotherapy and Counseling**

**Head:** Prof WF du Plessis, BA (PU for CHE), Hons BA (PU for CHE), MA (PU for CHE), DPhil (PU for CHE).

### **Subject Group Chairs**

#### **Psychology:**

Dr AW Nienaber, BSc (PU for CHE), Hons BSc (PU for CHE), MSc (Counselling Psychology) (PU for CHE), PhD (NWU).

#### **Social Work:**

Prof H Strydom, BA (SW) (UPE), Hons BA (SW) (UPE), MA (SW) (UP), DPhil (UP).

### **SCHOOL OF NURSING SCIENCE**

**Director:** Prof HC Klopper, BA Cur (UNISA), MCur (RAU), Dcur (RAU), MBA (Luton, UK), Diploma General Nursing Science, Midwifery and Psychiatric Nursing Science, Advanced Diploma in Nursing Management (UNISA).

#### **Subject Group Chair**

##### **Anatomy:**

Ms B Scrooby, BCur (RAU), MCur (Community Nursing Science) (RAU).

##### **Programme leaders:**

**BCur-programme:** Mrs AC van Graan, BA Cur (UNISA), MCur (Professional Nursing Science) (NWU), Diploma General Nursing Science and Midwifery, Advances University Diploma in a Health Service Management (UNISA).

**Telematic Programme:** Dr MJS Williams, B Art et Sc (Nursing Science) (PU for CHE); MCur (Nursing Science Education) (RAU), PhD (Nursing Science Education) (NWU).

**Post Graduate Programmes:** Prof SJC van der Walt, B Art et Scien (NWU), M Soc Sc (Midwifery and Neonatal Nursing Science)(UFS), B Ed (UFS), M Ed (UFS), D Cur (UJ).

## EXECUTIVE MANAGEMENT COMMITTEE: FACULTY OF HEALTH SCIENCES

**Chairperson:** Prof MJ Viljoen (Dean)  
**Vice chairperson:** Prof NT Malan  
**Secretary and member:** Mrs C Postma (Administrative Manager)

De Ridder, JH (Prof)

Du Plessis, J (Prof)

Kotzé, AF (Prof)

Klopper, HC (Prof)

Kruger, A (Prof)

Temane, QM (Prof)

## FACULTY BOARD: FACULTY OF HEALTH SCIENCES

Name	Position
<b>Office of the Dean</b>	
1. Prof MJ (Marlene) Viljoen	Dean ( <b>Chairperson</b> )
2. Mr CJJ (Cor) Bester	Head: Animal Experimental Centre
3. Mrs C (Corrie) Postma	Administrative Manager ( <b>Secretary</b> )
<b>School of Biokinetics, Recreation and Sport Science</b>	
4. Prof JH (Hans) de Ridder	Director
5. Prof AE (Anita) Pienaar	Professor (Kinderkinetics)
6. Prof CJ (Cilas) Wilders	Professor (Biokinetics)
7. Prof CduP (Charlé) Meyer	Associate Professor (Recreation)
8. Prof MA (Andries) Monyeki	Associate Professor (Human Movement Science)
9. Dr SJ (Hanlie) Moss	Niche area leader: FASRek (Senior Lecturer)
10. Mr PH (Pieter) van den Berg	Lecturer (Dipl. Sport Science)
11. Mr T (Theron) Weilbach	Lecturer (Recreation Science)
12. Mrs C (Cindy) Pienaar	Lecturer (Sport Science)
13. Mrs Y (Yolandé) Willemse	Subject specialist (Sport Science)
<b>School of Pharmacy</b>	
14. Prof AF (Awie) Kotzé	Director
15. Prof B (Banie) Boneschans	Head: Pharmaceutical and Biomedical Services

<b>Name</b>	<b>Position</b>
16. Dr E (Erna) Swanepoel	Head: NIIF/CENQAM (Expert Subject Specialist)
17. Dr AF (Anne) Grobler	Co-ordinator: Commercialising (Pharmacy)
18. Prof JJ (Kobus) Bergh	Professor (Pharmaceutical Chemistry)
19. Prof CB (Tiaan) Brink	Professor (Pharmacology)
20. Prof BH (Brian) Harvey	Professor (Pharmacology)
21. Prof AF (Awie) Kotzé	Professor (Pharmaceutics)
22. Prof JC (Jaco) Breytenbach	Professor (Pharmaceutical Chemistry)
23. Prof L (Linda) Brand	Associate Professor (Pharmacology)
24. Prof JJ (Jan) Gerber	Associate Professor (Clinical Pharmacy)
25. Prof MS (Martie) Lubbe	Associate Professor (Pharmacy Practice)
26. Prof AF (Dries) Marais	Associate Professor (Programme Manager: Pharmacy)
27. Prof JP (Jacques) Petzer	Associate Professor (Pharm. Chemistry)
28. Prof S (Sandra) van Dyk	Associate Professor (Pharm. Chemistry)
29. Mr WD (Willem) Basson	Senior Lecturer (Pharmacy Practice)
30. Mrs JR (Johanita) Burger	Senior Lecturer (Pharmacy Practice)
31. Dr JC (Johan) Lamprecht	Senior Lecturer (Clinical Pharmacy)
32. Dr DM (Dorcas) Rakumakoe	Senior Lecturer (Clinical Pharmacy)
33. Dr MM (Maides) Malan	Senior Lecturer (Pharmaceutics)
34. Mrs CL (Rina) Meyer	Senior Lecturer (Pharmacology)
35. Dr JM (Joe) Viljoen	Senior Lecturer (Pharmaceutics)
36. Mrs MA (Mariëtta) Fourie	Lecturer (Pharmaceutics)
37. Mr PdeW (Dewet) Wolmarans	Lecturer (Pharmacology)
38. Dr M (Marius) Brits	Head Subject Specialist (NIIF)
39. Mrs ME (Marique) Aucamp	Senior Subject Specialist (NIIF)
40. Mrs JC (Anita) Wessels	Senior Subject Specialist (Pharmacy)
<b><i>School of Physiology, Nutrition and Consumer Sciences</i></b>	
41. Prof NT (Nico) Malan	Director
42. Prof JC (Johann) Jerling	Professor (Nutrition)
43. Prof HS (Salome) Kruger	Professor (Nutrition)
44. Prof M (Marius) Smuts	Professor (Nutrition)
45. Prof JM (Johannes) van Rooyen	Professor (Physiology)

<b>Name</b>	<b>Position</b>
46. Prof AE (Alta) Schutte	Director: HART. Professor (Physiology)
47. Prof HW (Hugo) Huisman	Associate Professor (Physiology)
48. Prof L (Leone) Malan	Associate Professor (Physiology)
49. Prof M (Daleen) van der Merwe	Associate Professor (Consumer Sciences)
50. Dr NM (Namukolo) Covic	Senior Lecturer (Nutrition)
51. Dr SM (Grieta) Hanekom	Senior Lecturer (Dietetics/Nutrition)
52. Dr H (Hanlie) de Beer	Senior Lecturer (Consumer Science)
53. Dr HH (Hattie) Wright	Senior Lecturer (Nutrition)
54. Ms RC (Robin) Dolman	Lecturer (Nutrition)
55. Mr JL (Johan) du Plessis	Lecturer (Physiology)
56. Mrs SD (Sonna) Van Zyl	Lecturer (Consumer Science)
57. Mrs CMT (Carla) Fourie	Subject Specialist (Physiology)
58. Sr MC (Chrissie) Lessing	Subject Specialist (Nutrition)
<b>School of Psycho-social Behavioural Sciences</b>	
59. Prof QM (Michael) Temane	Director
60. Prof V (Vera) Roos	Professor (Psychology)
61. Prof H (Herman) Strydom	Professor (Social Work)
62. Prof CA (Chris) Venter	Professor (Psychology)
63. Prof ML (Mike) Weyers	Professor (Social Work)
64. Prof KFH (Karel) Botha	Associate Professor (Psychology)
65. Prof WF (Wynand) du Plessis	Associate Professor (Head: Inst for Psychotherapy and Counseling)
66. Prof P (Pedro) Rankin	Associate Professor (Social Work)
67. Prof E van Rensburg	Associate Professor (Psychology)
68. Dr AG (Alida) Herbst	Senior Lecturer (Social Work)
69. Dr DK (Doret) Kirsten	Senior Lecturer (Psychology)
70. Dr AW (Alida) Nienaber	Senior Lecturer (Psychology)
71. Dr JC (Johan) Potgieter	Senior Lecturer (Psychology)
72. Dr EH (Elma) Ryke	Senior Lecturer (Social Work)
73. Dr MM (Marie) Steyn	Senior Lecturer (Social Work)
74. Dr CC (Cornelia) Wessels	Senior Lecturer (Social Work)
75. Mr IP (Itumeleng) Khumalo	Lecturer (Psychology)
<b>School of Nursing Science</b>	

<b>Name</b>	<b>Position</b>
76. Prof HC (Hester) Klopper	Director
77. Me A (Antoinette) du Preez	Senior Lecturer
78. Dr CS (Karin) Minnie	Senior Lecturer
79. Mrs R (Ronel) Pretorius	Senior Lecturer
80. Mrs E (Engela) van der Walt	Senior Lecturer
81. Mrs AC (Anneke) van Graan	Senior Lecturer
82. Dr MJS (Marthyna) Williams	Senior Lecturer
83. Mrs Siedine Knobloch Coetzee	Subject Specialist
<b>Centre of Excellence for Nutrition</b>	
84. Prof HH (Esté) Vorster	Director
85. Prof M (Marlien) Pieters-Loots	Associate Professor
<b>Research Unit AUTHeR</b>	
86. Prof A (Annamarie) Kruger	Director
87. Prof M (Minrie) Greeff	Professor
<b>Research Unit for Drug Research and Development</b>	
88. Prof J (Jeanetta) du Plessis	Director
89. Prof JL (Jan) du Preez	Professor
90. Prof W (Wilna) Liebenberg	Professor
<b>Student representative</b>	
91. Mr W Aucamp (PRIVATUS)	School of Psychosocial Behaviour Sciences
<b>Representatives from other faculties</b>	
92. Prof HF Kotze	Faculty of Natural Sciences
93. Dr Alewyn Nel	Faculty of Economical and Management Sciences
94. Prof SJ Zaaiman	Faculty of Arts

## **G.1 FACULTY RULES**

### **G.1.1 AUTHORITY OF THE GENERAL RULES**

The faculty rules valid for the different qualifications, programmes and curricula of this faculty and contained in this faculty calendar are subject to the General Rules of the University, as determined from time to time by the Council of the University on recommendation by the Senate. The faculty rules should therefore be read in conjunction with the General Rules.

### **G.1.2 FACULTY-SPECIFIC RULES**

The Faculty Rules regarding the different programmes presented in this faculty are given in the language in which the specific programme is presented. If a programme is presented in Afrikaans as well as English, the Rules are given in both languages.

### **G.1.3 WARNING AGAINST PLAGIARISM**

Assignments are individual tasks and not group activities (unless explicitly indicated as group activities). For further details see:

[http://www.puk.ac.za/opencms/export/PUK/html/beheer-bestuur/beleid-reels/WARNING\\_AGAINST\\_PLAGIARISM.pdf](http://www.puk.ac.za/opencms/export/PUK/html/beheer-bestuur/beleid-reels/WARNING_AGAINST_PLAGIARISM.pdf).

### **G.1.4 CAPACITY STIPULATION**

Please take cognizance of the fact that, owing to specific capacity constraints, the University reserves the right to select candidates for admission to certain fields of study. This means that prospective students who comply with the minimum requirements may not necessarily be admitted to the relevant courses.

### **G.1.5 SCHOOLS, RESEARCH ENTITIES AND NICHE AREAS THE FACULTY**

Research and training in master's and doctor's study in the five schools of the Faculty of Health Sciences are structured in research entities and niche areas. At the head of every research entity / niche area is a research director or niche area leader. They are supported by the directors of schools and the staff of the different subject groups.



The following schools and subject groups form part of the faculty:

School	Subject group
School of Biokinetics, Recreation and Sport Science	Human Movement Science Recreation Science Sport Science Biokinetics Kinderkinetics
School of Pharmacy	Pharmacology Pharmaceutical Chemistry Pharmaceutics Pharmacy Practice Clinical Pharmacy
School of Physiology, Nutrition and Consumer Sciences	Physiology Nutrition Consumer Sciences
School of Psychosocial Behavioural Sciences	Psychology Social Work
School of Nursing Science	Nursing Science

The following research entities and niche areas forms part of the faculty:

Research entities	Centre of Excellence for Nutrition (CEN)
	Africa Unit for Transdisciplinary Health Research (AUTHeR)
	Unit for Drug Research and Development
Niche areas	Niche area for Hypertension in Africa Research Team (HART)
	Niche Area for Physical Activity, Sport and Recreation (PhASRec)
	Niche Area for Medicine Usage in South Africa (MUSA)

#### G.1.6 QUALIFICATIONS, PROGRAMMES AND CURRICULA

Various qualifications can be obtained in the Faculty of Health Sciences. A qualification is presented in one or more programmes. Every programme has one or more curricula, consisting of a number of prescribed modules. Information on the Rules of the different qualifications, programmes and curricula is given in this calendar.

The University may confer the following degrees in the Faculty of Health Sciences:

Qualification	Programme and code	Curriculum and code	Mode of delivery	NQF level
<b>HONOURS DEGREES</b>				
Honours Baccalaureus Artium (Hons BA)	Recreation: 102161	Recreation: G607P	Full-time	7
Honours Baccalaureus Artium (Hons BA)	Biokinetics: 102165	Biokinetics: G601P	Full time	7
Honours Baccalaureus Artium (Hons BA)	Kinderkinetics: 102166	Kinderkinetics: G602P	Full-time	7
Honours Baccalaureus Artium (Hons BA)	Sport Science: 102167	Sport Science: G603P	Full-time	7
Honours Baccalaureus Artium (Hons BA)	Psychology: 102162	Psychology G638P	Full-time	7
Honours Baccalaureus Scientiae (Hons BSc)	Biokinetics: 202150	Biokinetics G601P	Full-time	7
Honours Baccalaureus Scientiae (Hons BSc)	Kinderkinetics: 202151	Kinderkinetics: G602P	Full-time	7
Honours Baccalaureus Scientiae (Hons BSc)	Sport Science: 202152	Sport Science: G603P	Full-time	7
Honours Baccalaureus Scientiae (Hons BSc Pharmcol)	Pharmacology: 840100	Pharmacology: G640P	Telematic / Distance	7
Honours Baccalaureus Scientiae (Hons BSc)	Physiology: 202131	Physiology: G624P	Full-time / Part-time	7
Honours Baccalaureus Scientiae (Hons BSc)	Nutrition: 202132	Nutrition: G626P	Full-time / Part-time	7
Honours Baccalaureus Scientiae (Hons BSc)	Psychology: 202133	Psychology: G627P	Full-time	7
Honours Baccalaureus Pharmaciae (Hons BPharm)	808100	Community Pharmacy: G618P	Telematic / Distance	7
Honours Baccalaureus Pharmaciae (Hons BPharm)	808100	Hospital Pharmacy: G619P	Telematic / Distance	7
Honours Baccalaureus in Consumer Sciences	835100	Consumer Sciences: G630P	Full-time / Part-time	7
<b>MASTERS DEGREES</b>				
Magister Artium (MA)	Recreation: 103182	Recreation: G815P	Full-time / Part-time	8a and b
Magister Artium (MA)	Biokinetics: 103191	Biokinetics: G801P	Full-time / Part-time	8a and b
Magister Artium (MA)	Kinder kinetics: 103192	Kinderkinetics: G802P	Full-time / Part-time	8a and b
Magister Artium (MA)	Sport Science: 103193	Sport Science: G803P	Full-time / Part-time	8a and b
Magister Artium (MA)	Psychology: 103181	Psychology: G801P	Full-time / Part-time	8b
Magister Artium (MA)	Clinical Psychology:	Clinical	Full-time	8a

Qualification	Programme and code	Curriculum and code	Mode of delivery	NQF level
	103183	Psychology: G810P		and b
Magister Artium (MA)	Counselling Psychology: 103184	Counselling Psychology: G811P	Full-time	8a and b
Magister Artium (MA)	Research Psychology: 103185	Research Psychology: G801P	Full-time	8a and b
Magister Scientiae (MSc)	Biokinetics: 203195	Biokinetics: G801P	Full-time / Part-time	8a and b
Magister Scientiae (MSc)	Kinderkinetics: 203196	Kinderkinetics: G802P	Full-time / Part-time	8a and b
Magister Scientiae (MSc)	Sport Science: 203197	Sport Science: G803P	Full-time / Part-time	8a and b
Magister Scientiae (MSc)	Pharmaceutical Chemistry: 203184	Pharmaceutical Chemistry: G801P	Full-time / Part-time	8b
Magister Scientiae (MSc)	Pharmacology: 203185	Pharmacology: G801P	Full-time / Part-time	8b
Magister Scientiae (MSc)	Pharmaceutics: 203186	Pharmaceutics: G801P	Full-time / Part-time	8b
Magister Scientiae (MSc)	Occupational Hygiene: 203160	Occupational Hygiene: G851P	Full-time	8a and b
Magister Scientiae (MSc)	Nutrition: 203166	Nutrition (Mini-dissertation): G870P	Full-time / Part-time	8a and b
Magister Scientiae (MSc)	Nutrition: 203166	Nutrition (Dissertation): G871P	Full-time / Part-time	8a and b
Magister Scientiae (MSc)	Dietetics: 203169	Dietetics (Mini-dissertation): G851P	Full-time / Part-time	8a and b
Magister Scientiae (MSc)	Dietetics: 203169	Dietetics (Dissertation): G875P	Full-time / Part-time	8a and b
Magister Scientiae (MSc)	Physiology: 203171	Physiology: G855P	Full-time	8a and b
Magister Scientiae (MSc)	Clinical Psychology: 203176	Clinical Psychology: G865P	Full-time	8a and b
Magister Scientiae (MSc)	Counselling Psychology: 203177	Counselling Psychology: G866P	Full-time	8a and b
Magister Scientiae (MSc)	Research Psychology: 203165	Research Psychology: G801P	Full-time	8a and b

Qualification	Programme and code	Curriculum and code	Mode of delivery	NQF level
Magister Pharmaciae (MPharm)	Pharmacy Practice: 803105	Pharmacy Practice: G801P	Full-time / Part-time	8b
Magister in Consumer Sciences (MCons)	836100	Consumer Sciences (Dissertation): G880P	Full-time / Part-time	8a and b
Magister in Consumer Sciences (MCons)	836100	Consumer Sciences Mini-dissertation): G881P	Full-time / Part-time	8a and b
Master of Social Work (MSW)	Social Work 113104	Social Work: G801P	Full-time / Part-time	8a and b
Master of Social Work (MSW)	Forensic Practice: 113109	Forensic Practice: G801P	Full-time / Part-time	8a and b
Master of Social Work (MSW)	Child Protection: 113108	Child Protection: G825P	Full-time / Part-time	8a and b
Magister Curationis (MCur)	833100	Community Nursing Science: G830P	Full-time / Part-time	8a and b
Magister Curationis (MCur)	833100	Health Service Management: G831P	Full-time / Part-time	8a and b
Magister Curationis (MCur)	833100	Health Science Education: G832P	Full-time / Part-time	8a and b
Magister Curationis (MCur)	833100	Professional Nursing: G833P	Full-time / Part-time	8a and b
Magister Curationis (MCur)	833100	Psychiatric Nursing Science: G834P	Full-time / Part-time	8a and b
Magister Curationis (MCur)	833100	Midwifery and Neonatal Nursing Science: (G835P)	Full-time / Part-time	8a and b
Magister Curationis (MCur)	833100	Nursing Science: G836P	Full-time / Part-time	8a and b
<b>DOCTORS DEGREES</b>				
Philosophiae Doctor (PhD)	Human Movement Sciences: 805109	Human Movement Sciences: G925P	Full-time / Part-time	8c
Philosophiae Doctor (PhD)	Recreation: 805111	Recreation: G935P	Full-time / Part-time	8c
Philosophiae Doctor (PhD)	Pharmaceutical Chemistry: 805116	Pharmaceutical Chemistry: G910P	Full-time / Part-time	8c

<b>Qualification</b>	<b>Programme and code</b>	<b>Curriculum and code</b>	<b>Mode of delivery</b>	<b>NQF level</b>
Philosophiae Doctor (PhD)	Pharmaceutics: 805117	Pharmaceutics: G911P	Full-time / Part-time	8c
Philosophiae Doctor (PhD)	Pharmacology: 805118	Pharmacology: G912P	Full-time / Part-time	8c
Philosophiae Doctor (PhD)	Pharmacy Practice: 805119	Pharmacy Practice: G913P	Full-time / Part-time	8c
Philosophiae Doctor (PhD)	Occupational Hygiene: 805104	Occupational Hygiene: G901P	Full-time / part-time	8c
Philosophiae Doctor (PhD)	Dietetics: 805105	Dietetics: G905P	Full-time / Part-time	8c
Philosophiae Doctor (PhD)	Physiology: 805107	Physiology: G915P	Full-time / Part-time	8c
Philosophiae Doctor (PhD)	Consumer Sciences: 805112	Consumer Sciences: G940P	Full-time / Part-time	8c
Philosophiae Doctor (PhD)	Nutrition: 805114	Nutrition: G960P	Full-time / Part-time	8c
Philosophiae Doctor (PhD)	Social Work: 805108	Social Work: G921P	Full-time / Part-time	8c
Philosophiae Doctor (PhD)	Psychology: 805110	Psychology: G931P	Full-time / Part-time	8c
Philosophiae Doctor (PhD)	Nursing Science: 805113	Community Nursing Science: G950P	Full-time / Part-time	8c
Philosophiae Doctor (PhD)	Nursing Science: 805113	Health Service Management: G951P	Full-time / Part-time	8c
Philosophiae Doctor (PhD)	Nursing Science: 805113	Health Science Education: G925P	Full-time / Part-time	8c
Philosophiae Doctor (PhD)	Nursing Science: 805113	Professional Nursing Science: G935P	Full-time / Part-time	8c
Philosophiae Doctor (PhD)	Nursing Science: 805113	Psychiatric Nursing Science: G954P	Full-time / Part-time	8c
Philosophiae Doctor (PhD)	Nursing Science: 805113	Midwifery and neonatal Nursing Science: G955P	Full-time / Part-time	8c
Philosophiae Doctor (PhD)	Nursing Science: 805113	Nursing Science: G956P	Full-time / Part-time	8c

POST-GRADUATE DIPLOMAS				
Qualification	Programme and code	Curriculum and code	Mode of delivery	NQF level
Post Graduate Diploma Midwifery & Neonatal Nursing Science	Midwifery & Neonatal Nursing Science 844100	Midwifery & Neonatal Nursing Science G501P	Part Time	7
Advanced University Diploma in Health Science	Community Nursing 837100	Community Nursing (one year) G511T	Telematic	7
Advanced University Diploma in Health Science	Health Science Education 837101	Health Science Education (One year) G512T	Telematic	7
Advanced University Diploma in Health Science	Health Service Management 837102	Health Services Management (One Year) G513T	Telematic	7
Advanced University Diploma in Health Science	Clinical Nursing Science, Health Assessment, Treatment and Care 837103	Clinical Nursing Science, Health Assessment, Treatment and Care (One Year) G514T	Telematic	7

### G.1.7 MODULES AND CREDITS

Subjects are presented in modules to which specific credit values are allocated.

Modules have a code and a descriptive name, e.g. MBGB111. The meaning of the numerical codes is explained in General Rule A.1.39.

Every module has a certain weight, which is known as a credit (General Rule A.1.15).

### G.1.8 RECOGNITION OF PREVIOUS LEARNING

The North-West University accepts the principle underlying outcomes-oriented, source-based and lifelong learning in which considerations of articulation and mobility play a meaningful role. The University also underwrites the view that recognition of previous learning, obtained either by formal teaching programmes at this or another institution, or informally (obtained by experience), is an indispensable element in granting admission or credits with the aim of placing in a specifically chosen teaching-learning programme of the University.

In recognising previous learning, it deals with provable knowledge and learning that the applicant obtained by following formal teaching programmes or by experience. At all times the question will be what level of competence was reached, judged in the context of the exit level skills required for the contemplated teaching-learning programmes (or modules therein) or status for which the applicant is applying and not merely about the experience the applicant can prove. Recognition of previous learning takes place in terms of the relevant skills that the applicant demonstrated in the application with

reference to the exit outcomes that should be reached in the chosen programme.

The North-West University accepts that the recognition of previous learning does and should take place within the normal, existing policy of admission, as well as the granting of credits to prospective or existing students – from this or another institution – in a valid, creditable and reasonable way.

A non-refundable administrative fee, laid down from time to time by the University, is payable for dealing with the application for recognition of previous learning.

The process for recognising of previous learning is stated in General Rule A.5.1.2.6 and A.6.1.2.

## **G.1.9 REGISTRATION**

Registration is the prescribed, completed process that a student has followed to register as a student at the University (General Rules A.1.55 & A.6.3., A.7.4 and A.8.4).

## **G.1.10 REGISTRATION FOR ADDITIONAL MODULES**

A student may register in any study year for modules additional to the required modules in accordance with the stipulations of General rules A.5.3, A.6.3.4 and A.7.4.5.

## **G.1.11 EXAMINATION: HONOURS DEGREES**

### **G.1.11.1 Examination opportunities**

The examination opportunities and the relevant rules are determined by General rule A.6.4.1.

### **G.1.11.2 Composition of the participation mark**

A participation mark for a module (General rule A.1.45) may be composed from tests, assignments and other forms of evaluation.

### **G.1.11.3 Admission to the examination**

No student will be admitted to the examination without having complied with the requirements of the curriculum. Admission to the examination will only be granted to a student who has proved to the satisfaction of the school director, who acts in consultation with the subject group chairperson, by submission of proof of participation and an appropriate participation mark, that the participation requirements of the relevant module, as determined in the relevant faculty rules, have been met (General rule A.6.4.3).

### **G.1.11.4 Module mark**

The module mark (General rule A.1.41) is calculated from the ratio of the participation mark and the examination mark as given in the study guide/manual/subject group pamphlet.

### **G.1.11.5 Requirements for passing a module and a curriculum**

The pass requirements for every curriculum and modules are laid down in the faculty rules concerned, inclusive of the ratio in which the assessment methods applicable to a specific module (or group of modules) in the faculty are

combined to determine whether it has been completed successfully (General rule A.6.4.4).

**G.1.11.6 Repeating of modules**

A student may, within the maximum study period of three years, repeat a maximum of 25% of the examination papers of the curriculum concerned, but any particular paper may only be repeated once (General rule A.6.4.1.2).

**G.1.11.7 Termination of study**

A student's study may be terminated according to the stipulations of General rule A.6.6.

**G.1.12 EXAMINATION (ASSESSMENT) – HONOURS DEGREES**

**G.1.12.1 Examination Occasions**

Examination occasions and other relevant rules takes place in accordance with General rule A.6.4.1.

**G.1.12.2 Participation mark**

For each module a participation mark may be compiled from assessing assignments and any other work which must be completed to the satisfaction of the Faculty Board according to the stipulations in General rule A.1.45.

**G.1.12.3 Admission to the examination**

No student will be admitted to the examination without having complied with the requirements of the curriculum. Admission to the examination will only be granted to a student who has proved to the satisfaction of the school director, who acts in consultation with the subject group chairperson, by submission of proof of participation, that the participation requirements of the relevant module, as determined in the relevant faculty rules, have been met.

**G.1.12.4 Module mark**

The module mark (General rule A.4.1) is calculated as the relation between the participation mark and examination mark as indicated in the study guide/manual rule/ pamphlet of the subject group.

**G.1.12.5 Passing requirements for modules and the curriculum**

The pass requirements for every curriculum and modules are laid down in the faculty rules concerned, inclusive of the ratio in which the assessment methods applicable to a specific module (or group of modules) in the faculty are combined to determine whether it has been completed successfully (General rule A.6.4.4).

**G.1.12.6 Repeating modules**

A student may, within the maximum study period of three years repeat a maximum of 25% of the examination papers of the curriculum concerned, but any particular paper may only be repeated once (General rule A.6.4.1.2).



**G.1.12.7 Termination of study**

A student's study may be terminated in accordance with General Rule A.6.4.1.2.

**G.1.13 EXAMINATION – MASTERS DEGREES**

General rule A.7.5. is applicable.

**G.1.13.1 Appointment of examiners**

- a) For the examination of each post-graduate mini-dissertation or dissertation at least two examiners must be appointed by the dean in consultation with the director responsible for research. At least one must be an examiner external to the University (General rule A.7.5.3.1).
- b) No examiner of a mini-dissertation or dissertation should have been involved in any manner in the supervision of the student (General rule A.7.5.3.2).
- c) The external examiners of a mini-dissertation or dissertation may not be from the same institution (A.7.5.3.3).

**G.1.13.2 Admission to the examination**

- a) A dissertation or mini-dissertation must be submitted for examination before or on the date determined annually by the Senate and indicated in the relevant annual timetable (General rule A.7.5.4.1).
- b) A translation of the title, a summary of not more than 500 words and five to ten key terms in the language or languages prescribed in the *Manual for Post-graduate Studies*, must be bound with every dissertation or mini-dissertation (General rule A.7.5.4.2).
- c) When a dissertation or mini-dissertation is submitted for examination, a research article that, in the opinion of the supervisor is ready for submission to a journal, may also be required (General rule A.7.5.4.3).
- d) A dissertation or mini-dissertation may only be submitted with the written consent of the supervisor (General rule A.7.5.4.4).
- e) If the supervisor refuses consent for the submission of a dissertation or mini-dissertation for examination, the dean may, in consultation with the appropriate school director and/or research director, and after consultation with the supervisor and the candidate, consent to submission (General rule A.7.5.4.5).
- f) After any dissertation or mini-dissertation has been submitted to the examiners, a copy thereof must be made available for inspection by any staff member in the library of the University for at least 14 days and notice of such availability must be given in an appropriate manner (General rule A.7.5.4.6).
- g) Any comments resulting from the inspection must be submitted to the appropriate dean within two weeks from the date of the notice of availability for inspection (General rule A.7.5.4.7).

- h) Any comments that are alleged not to have been considered sufficiently by the school director and/or the research director and/or entity leader may be heard by the dean concerned (General rule A.4.5.4.8).
- i) After the external examiners' copies of a mini-dissertation or dissertation have been dispatched, the supervisor, co-supervisor or assistant supervisor may not make any contact or enter into any discussion with examiners (General rule A.7.5.4.9).
- j) Every examiner must submit to the registrar a separate written report about the dissertation or mini-dissertation (General rule A.7.5.4.10).
- k) The dean may, in consultation with the school director and/or research director, clarify with an examiner any matters raised in such examiner's report that requires clarification (General rule A.7.5.4.11).

**G.1.13.3 Examination**

- a) The examination for the master's degree takes place according to the stipulations of General rule A.7.5.
- b) The requirements with which a dissertation or mini-dissertation should comply are governed by the stipulations of General rule A.7.5.7.
- c) Learners should take careful note of the contents of the Manual for Post-graduate Study (General rule A.1.35).

**G.1.13.4 Participation mark**

A participation mark (General rule A.1.45) for modules may be accrued from assignments and other forms of evaluation.

**G.1.13.5 Module mark/Result**

- a) Where a student in any examination passes according to the unanimous view of the examiners, that result will be final (General rule A.7.5.5.1).
- b) Where the examiners, in the case of any taught module, cannot reach agreement that the student has passed the module, the dean must make the final decision after having taken such advice as deemed necessary (General rule A.7.5.5.2).
- c) Where the examiners are not unanimous with regard to the assessment with respect to the student having passed or failed a mini-dissertation or dissertation, the dean must take the steps he/she may deem necessary to obtain a result. This may entail that an external arbiter is called upon to determine the result (general rule A.7.5.5.3).
- d) A module, mini-dissertation or dissertation will be passed with distinction if an average mark of at least 75% is awarded in the examination of that module, mini-dissertation or dissertation. The qualification will be passed with distinction if an average of 75% is obtained (General rule A.7.5.5.4).
- e) A dissertation or mini-dissertation may (General rule A.7.5.5.5):
  - 1) be accepted unconditionally;
  - 2) be accepted on condition that adjustments of limited extent be effected, in which case the supervisor, in consultation with the research director, and with notice to the school director where

applicable, must ensure that a memorandum dealing with the adjustments be supplied to the student within two weeks after the outcome has been made known;

- 3) be referred back to the student for review and/or amplification and resubmission for re-examination, in which case the supervisor, in consultation with the research director, and with notice to the school director where applicable, must ensure that a memorandum with regard to the nature and extent of the review or amplification be supplied to the student within two weeks after the outcome has been made known; or
- 4) not be accepted, in which case the student fails.

**G.1.13.6 Termination of the study**

A student's study may be terminated according to the stipulations in General Rule A.7.7.

**G.1.14 RULES FOR THE DEGREE HONOURS BACCALAUREUS ARTIUM**

The honours degree follows a bachelor's degree of three or four years, or after the status of a bachelor's degree was granted.

The study may be done full-time or part-time.

**G.1.14.1 Duration (minimum and maximum)**

The minimum duration of the study is one year full-time and the maximum duration is two years full-time. For part-time study the minimum duration is two years and the maximum duration three years.

**G.1.14.2 Admission requirements of the programme**

Admission to the honours programmes is dealt with according to General Rule A.6.1.

**G.1.14.3 Registration for the qualification**

Registration for honours programmes takes place on the date determined in the faculty rules (General rule A.6.3.1.1).

**G.1.14.4 PROGRAMME: RECREATION SCIENCES**

**Qualification code: 102 161 (F) (Recreation Sciences)**

**G.1.14.4.1 Admission requirements of the programme**

In addition to the general admission requirements (General Rule A.6.1), the following holds:

- a) an academic screening according to criteria laid down by the school;
- b) a selection process focused on psychometric, personal and skills development as applicable to the different programmes of the school; and
- c) approval by the particular school director.

**G.1.14.4.2 List of modules**

Module code	Descriptive name	Credits
MBWK681	Applied Research Methodology and Mini-dissertation	32
MBWK686	Child Welfare and Health Promotion	16
RKKX673	Recreation Practice Management	16
RKKX677	Therapeutic recreation	24
RKKX678	Advanced Facilitation	16
RKKX679	Leisure Programming	16
RKKX681	Applied Recreation Management	24

**G.1.14.4.3 Curriculum G607P: Recreation Sciences****G.1.14.4.3.1 Curriculum outcomes**

After the recreation science programme has been completed, students should be able to:

- a) combine critical and creative thinking in the use of science, research and technology with sound and systematic theoretical expertise (models, theories, etc.) ;
- b) demonstrate skills and values as entrepreneurs or employees in the field of recreation provision or adventure therapy through
- c) integrated projects (case studies/scenario's) in order to identify and solve known and unknown problems; and
- d) demonstrate added competencies in community involvement.

**G.1.14.4.3.2 Faculty-specific rules for the curriculum**

Practical work as stipulated by the program leader and school director are required from the student.

**G.1.14.4.3.3 Compilation of curriculum : Recreation Sciences**

**Qualification- and programme code:** 102 161; **Curriculum code:** G607P

Module code	Credits
MBWK681	32
MBWK686	16
RKKX673	16
RKKX677	24
RKKX678	16
RKKX679	16
RKKX681	24
<b>Totalcredits for the curriculum</b>	<b>144</b>

**G.1.14.5 PROGRAMME: BIODINAMICS****Qualification code: 102 165 (F) (Biokinetics)**

The curricula composed for this programme are of an academic and practical nature. In composing the curriculum, consideration was given to career possibilities and the manpower needs of the country. These curricula prepare the student for further post-graduate study in Biokinetics.

**G.1.14.5.1 Admission requirements of the programme**

In addition to the general admission requirements (General Rule A.6.1), the following holds:

- a) an academic screening according to criteria laid down by the school;
- b) a selection process focused on psychometric, personal and skills development as applicable to the different programmes of the school; and
- c) approval by the particular school director.

**G.1.14.5.2 List of modules**

Module code	Descriptive name	Credits
MBWK681	Applied Research Methodology and Mini-dissertation	32
MBWB681	Biokinetics: Orthopaedics	32
MBWB682	Biokinetics: Clinical	32
MBWB683	Biokinetics: Theory/Health	32
MBWB684	Biokinetics: Professional Internship	32

**G.1.14.5.3 Curriculum G601P: Biokinetics****G.1.14.5.3.1 Curriculum outcomes**

After completion of the curriculum the student should demonstrate extensive and systematic knowledge, understanding and skills as entrepreneur in private practice or established institutions to prescribe scientifically based exercise programmes for clients with a view to promoting health and quality of life, or prescribe programmes to make rehabilitation of a clinical condition possible where physical exercise is indicated as treatment modality. The graduate will also be able to undertake appropriate research in an ethical and responsible manner, gather, analyse and evaluate data and interpret results and communicate them in writing and orally to an audience of peers.

**G.1.14.5.3.2 Compilation of curriculum : Biokinetics**

**Qualification and programme code:** 102 165; **Curriculum code:** G601P

Module code	Credits
MBWK681	32
MBWB681	32
MBWB682	32
MBWB683	32
MBWB684	32
<b>Total credits for the curriculum</b>	<b>160</b>

**G.1.14.6 PROGRAMME: KINDERKINETICS****Qualification code: 102 166 (F) (Kinderkinetics)**

The curricula composed for this programme are of an academic and practical nature. In composing the curriculum, consideration was given to career possibilities and the manpower needs of the country. These curricula prepare the student for further post-graduate study in Kinderkinetics.

**G.1.14.6.1 Admission requirements of the programme**

In addition to the general admission requirements, the following holds (General Rule A.6.1):

- a) an academic screening according to criteria laid down by the school;
- b) a selection process focused on psychometric, personal and skills development as applicable to the different programmes of the school; and
- c) approval by the particular school director.

**G.1.14.6.2 List of modules**

Module code	Descriptive name	Credits
MBWK681	Applied Research Methodology and Mini-dissertation	32
MBWK682	Kinderkinetics Theory	32
MBWK683	Applied Kinderkinetics Practical	24
MBWK684	Professional Internship	24
MBWK685	Applied Exercise Physiology	16
MBWK686	Child Welfare and Health Promotion	16

**G.1.14.6.3 Curriculum G602P: Kinderkinetics****G.1.14.6.3.1 Curriculum outcomes**

After completing this curriculum a student should be able to demonstrate an extensive knowledge, understanding and skills in order to successfully handle Kinderkinetics in practice. The graduate will be able to maintain a professional identity and plan and manage an own Kinderkinetics practice. The graduate will also be qualified to undertake appropriate research, gather, analyse and evaluate data and interpret the results in order to communicate these in writing and orally to an audience of peers.

**G.1.14.6.3.2 Compilation of curriculum : Kinderkinetics**

**Qualification and programme code: 102 166; Curriculum code: G602P**

Module code	Credits
MBWK681	32
MBWK682	32
MBWK683	24
MBWK684	24
MBWK685	16
MBWK686	16
<b>Total credits for the curriculum</b>	<b>144</b>

**G.1.14.7 PROGRAMME: SPORT SCIENCE****Qualification code: 102 167 (F) (Sport Science)**

The curricula composed for this programme are of an academic and practical nature. In composing the curriculum, consideration was given to career possibilities and the manpower needs of the country. These curricula prepare the student for further post-graduate study in Sport Science.

**G.1.14.7.1 Admission requirements of the programme**

In addition to the general admission requirements, the following holds (General Rule A.6.1):

- a) an academic screening according to criteria laid down by the school;
- b) a selection process focused on psychometric, personal and skills development as applicable to the different programmes of the school; and
- c) approval by the particular school director.

**G.1.14.7.2 List of modules**

Module code	Descriptive name	Credits
MBWK681	Applied Research Methodology and Mini-dissertation	32
MBWS682	Applied Sport Physiology	32
MBWS683	Applied Biomechanics	16
MBWS684	Applied Sport Psychology	16
MBWS685	Sport Science Internship	24
MBWS686	Sport Science Practice	24

**G.1.14.7.3 Curriculum G603P: Sport Sciences****G.1.14.7.3.1 Curriculum outcomes**

After completing this curriculum the student should be able to demonstrate an extensive knowledge, understanding and skills in Sport Science by determining and developing the sport performance potential of sport participants and prospective participants. The graduate will also be able to undertake appropriate research, gather, analyse and evaluate information and data and interpret results and communicate them in writing and orally to an audience of peers.

**G.1.14.7.3.2 Compilation of the curriculum : Sport Sciences**

**Qualification and programme code:** 102 167; **Curriculum code:** G603P

Module code	Credits
MBWK681	32
MBWS682	32
MBWS683	16
MBWS684	16
MBWK685	24
MBWK686	24
<b>Total credits for the curriculum</b>	<b>144</b>

**G.1.14.8 PROGRAMME: PSYCHOLOGY****Qualification code: 102 162 (F) (Psychology)**

The curricula composed for this programme are of an academic nature. In composing the curricula, consideration was given to career possibilities and the manpower needs of the country. These curricula prepare the student for further post-graduate study in Psychology.

**G.1.14.8.1 Admission requirements of the programme**

In addition to the general admission requirements (A.6.1), the following Faculty admission requirements hold:

- a) candidates should be in possession of a B-degree;
- b) development psychology and psychopathology should have been included in the curricula;
- c) an academic selection according to the criteria as determined by the school, where an average of 65% in Psychology is set as a minimum during the first B degree. The complete academic record is however taken into consideration; and
- d) a selection based on personal, social and skills development as applicable in various programmes of the school.

**G.1.14.8.2 List of modules**

Module code	Descriptive name	Credits
PSYC671	Psychometrics	8
PSYC672	Psychological Evaluation	16
PSYC673	Applied Positive Psychology	16
PSYC674	Research psychology	16
PSYC675	Intervention techniques	16
PSYC676	Theoretical Perspectives on the Helping Relationship	16
PSYC677	Community Psychology	16
PSYC678	Psychopathology	16
PSYC679	Ethics and Professional Conduct	8
PSYC681	Facilitation of Community Wellness	16
STTN111	Descriptive Statistics	12
STTN124	Practical Statistics	12

**G.1.14.8.3 Curriculum G638P: Psychology****G.1.14.8.3.1 Curriculum outcomes**

After completion of this programme students should be able to:

- a) demonstrate a comprehensive and systematic knowledge of psychometrics, psychological evaluation, psychopathology, basic intervention and counselling techniques, including programme development and programme presentation;
- b) do a critical evaluation of existing knowledge concerning theories, research methods, techniques and technology in psychology, and apply that knowledge to various contexts;



- c) diagnose psychological pathology in individuals, groups and communities, design basic intervention programmes and apply them in various socio-cultural circumstances;
- d) obtain, analyse and interpret relevant information concerning individuals, groups and communities, and communicate the information, either individually or as a member of a group, by writing reports, doing assignments, or reporting orally;
- e) reflect on the impact of the study material on the self as a person and as a future care giver; and
- f) observe, at all times, an ethical, professional and value-based code of conduct in all modes of communication and association with individuals and groups.

**G.1.14.8.3.2 Compilation of the curriculum : Psychology**

**Qualification and programme code:** 102 162; **Curriculum code:** G638P

Module code	Credits
PSYC671	8
PSYC672	16
PSYC673	16
PSYC674	16
PSYC675	16
PSYC676	16
PSYC677	16
PSYC678	16
PSYC679	8
PSYC681	16
STTN111	12
STTN124	12
<b>Total credits for the curriculum</b>	<b>168</b>

**G.1.15 RULES FOR THE DEGREE HONOURS BACCALAUREUS SCIENTIAE**

**G.1.15.1 Duration (minimum and maximum)**

The minimum duration of the study is one year full-time and the maximum duration two years full-time. For part-time study the minimum duration is two years and the maximum duration three years.

**G.1.15.2 Admission requirements**

- a) Admission to honors programmers takes place according to General rule A.6.1.

**G.1.15.3 Registration for the qualification**

- a) Registration for post-graduate programmers takes place on the date determined by the faculty rules (General rule A.6.3.1.1).

**G.1.15.4 PROGRAMME: BIODINAMICS****Qualification code: 202 150 (F) (Biokinetics)**

The curricula composed for this programme are of an academic and practical nature. In composing the curriculum, consideration was given to career possibilities and the manpower needs of the country. These curricula prepare the student for further post-graduate study in Biokinetics.

**G.1.15.4.1 Admission requirements of the programme**

In addition to the general admission requirements (General Rule A.6.1), the following holds:

- a) An academic screening according to criteria laid down by the school;
- b) a screening focused on psychometric, personal and skills development as applicable to the different programmes of the school; and
- c) approval by the particular school director.

**G.1.15.4.2 List of modules**

Module code	Descriptive name	Credits
MBWK681	Applied Research Methodology and Mini-dissertation	32
MBWB681	Biokinetics: Orthopaedics	32
MBWB682	Biokinetics: Clinical	32
MBWB683	Biokinetics: Theory/Health	32
MBWB684	Biokinetics: Professional Internship	32

**G.1.15.4.3 Curriculum G601P: Biokinetics****G.1.15.4.3.1 Curriculum outcomes**

After completion of the curriculum the student should demonstrate extensive and systematic knowledge, understanding and skills as entrepreneur in private practice or established institutions to prescribe scientifically based exercise programmes for clients with a view to promoting health and quality of life, or prescribe programmes to make rehabilitation of a clinical condition possible where physical exercise is indicated as treatment modality. The graduate will also be able to undertake appropriate research in an ethical and responsible manner, gather, analyse and evaluate data and interpret results and communicate them in writing and orally to an audience of peers.

**G.1.15.4.3.2 Compilation of curriculum: Biokinetics**

**Qualification and programme code:** 202 150; **Curriculum code:** G601P

Module code	Credits
MBWK681	32
MBWB681	32
MBWB682	32
MBWB683	32
MBWB684	32
<b>Total credits for the curriculum</b>	<b>160</b>

**G.1.15.5 PROGRAMME: KINDERKINETICS****Qualification code: 202 151 (F) (Kinderkinetics)**

The curricula composed for this programme are of an academic and practical nature. In composing the curriculum, consideration was given to career possibilities and the manpower needs of the country. These curricula prepare the student for further post-graduate study in Kinderkinetics.

**G.1.15.5.1 Admission requirements of the programme**

In addition to the general admission requirements (General Rule A.6.1), the following holds:

- a) an academic screening according to criteria laid down by the school;
- b) a screening focused on psychometric, personal and skills development as applicable to the different programmes of the school; and
- c) approval by the particular school director.

**G.1.15.5.2 List of modules**

Module code	Descriptive name	Credits
MBWK681	Applied Research Methodology and Mini-dissertation	32
MBWK682	Kinderkinetics Theory	32
MBWK683	Applied Kinderkinetics Practical	24
MBWK684	Professional Internship	24
MBWK685	Applied Exercise Physiology	16
MBWK686	Child Welfare and Health Promotion	16

**G.1.15.5.3 Curriculum G602P: Kinderkinetics****G.1.15.5.3.1 Curriculum outcomes**

After completing this curriculum a student should be able to demonstrate an extensive knowledge, understanding and skills in order to successfully handle Kinderkinetics in practice. The graduate will be able to maintain a professional identity and plan and manage an own Kinderkinetics practice. The graduate will also be qualified to undertake appropriate research, gather, analyse and evaluate data and interpret the results in order to communicate these in writing and orally to an audience of peers.

**G.1.15.5.3.2 Compilation of curriculum : Kinderkinetics**

**Qualification and programme code:** 202 151; **Curriculum code:** G602P

Module code	Credits
MBWK681	32
MBWK682	32
MBWK683	24
MBWK684	24
MBWK685	16
MBWK686	16
<b>Total credits for the curriculum</b>	<b>144</b>

**G.1.15.6 PROGRAMME: SPORT SCIENCE****Qualification code: 202152 (F) (Sport Science)**

The curricula composed for this programme are of an academic and practical nature. In composing the curriculum, consideration was given to career possibilities and the manpower needs of the country. These curricula prepare the student for further post-graduate study in Sport Science.

**G.1.15.6.1 Admission requirements of the programme**

In addition to the general admission requirements, the following holds (General Rule A.6.1):

- a) an academic screening according to criteria laid down by the school;
- b) a screening focused on psychometric, personal and skills development as applicable to the different programmes of the school; and
- c) approval by the particular school director.

**G.1.15.6.2 List of modules**

Module code	Descriptive name	Credits
MBWK681	Applied Research Methodology and Mini-dissertation	32
MBWS682	Applied Sport Physiology	32
MBWS683	Applied Biomechanics	16
MBWS684	Applied Sport Psychology	16
MBWS685	Sport Science Internship	24
MBWS686	Sport Science Practice	24

**G.1.15.6.3 Curriculum G603P: Sport Science****G.1.15.6.3.1 Curriculum outcomes**

After completing this curriculum the student should be able to demonstrate an extensive knowledge, understanding and skills in Sport Science by determining and developing the sport performance potential of sport participants and prospective participants. The graduate will also be able to undertake appropriate research, gather, analyse and evaluate information and data and interpret results and communicate them in writing and orally to an audience of peers.

**G.1.15.6.3.2 Compilation of the curriculum: Sport Science**

**Qualification and programme code:** 202 152; **Curriculum code:** G603P

Module code	Credits
MBWK681	32
MBWS682	32
MBWS683	16
MBWS684	16
MBWS685	24
MBWS686	24
<b>Total credits for the curriculum</b>	<b>144</b>

**G.1.15.7 PROGRAMME: PHYSIOLOGY****Qualification code: 202 131 (F + P)**

The curriculum composed for this programme is of an academic nature. In composing the curriculum, consideration was given to the career opportunities and the manpower needs of the country. This curriculum prepares the student for further post-graduate study in one of the post-graduate programmes in Physiology, inter alia Occupational Hygiene and Cardiovascular Physiology.

The program is presented full-time and part-time.

**G.1.15.7.1 Admission requirements of the programme**

In addition to the general admission requirements (General Rule A.6.1), the following specific admission requirements hold:

- a) A BSc with Physiology as a major subject or an equivalent qualification with in-depth knowledge of Physiology;
- b) at least 60% in Physiology on third-year level;
- c) approval by the school director;
- d) selection is subject to available capacity; and
- e) the student should provide proof of immunisation, at least against Hepatitis B.

**G.1.15.7.2 List of modules**

Module code	Descriptive name	Credits
FLGX612	Cardiovascular Physiology A	16
FLGX613	Neurophysiology	16
FLGX615	Research methodology	8
FLGX617	Cellular Physiology	8
FLGX618	Occupational Hygiene Monitoring A	16
FLGX621	Cardiovascular Physiology C	16
FLGX622	Toxicology A	16
FLGX624	Toxicology B	16
FLGX625	Endocrinology	16
FLGX627	Cardiovascular Physiology B	16
FLGX671	Practical Project	32

**G.1.15.7.3 Curriculum G624P: Physiology****G.1.15.7.3.1 Curriculum outcomes**

At the end of the curriculum the student should have the proficiency and suitable skills in the field of Physiology specifically, or in the field of Health Sciences in general. The student will also have at his/her disposal the suitable basic skills in the field of Occupational Hygiene.

**1.15.7.3.1.1 Faculty specific rules for the curriculum**

Additional requirement: STTN111 or a comparable statistics module.

**G.1.15.7.3.2 Compilation of the curriculum : Physiology****Qualification and programme code:** 202 131; **Curriculum code:** G624P

Module code	Credits
FLGX612*	16
FLGX613	16
FLGX615	8
FLGX617	8
FLGX618*	16
FLGX621*	16
FLGX622*	16
FLGX624*	16
FLGX625	16
FLGX627*	16
FLGX671	32
<b>Total credits for the curriculum</b>	<b>128</b>

**Comment:** \* Choice modules: 3 out of six must be chosen

**G.1.15.8 PROGRAMME: NUTRITION****Qualification code:** 202 132 (F + P)

The curriculum composed in this programme consists of three modules, as well as a research project of limited scope which prepare the student for further post-graduate study. The focus in the modules falls on the most recent research findings on highly relevant problems.

**G.1.15.8.1 Admission requirements of the programme**

In addition to the general admission requirements (General rule A.6.1), the following hold:

- a) A BSc with Nutrition as major subject or an equivalent qualification;
- b) at least 60% in Nutrition at graduate level in each of the following modules: VNDL314 or VTRP314 and VOED323 or equivalent modules;
- c) STTN 111 or equivalent module;
- d) approval by the school director; and
- e) selection is subject to the student's academic performance and the available capacity in the subject group. Preference will be given to full-time students.

#### G.1.15.8.2 List of modules

Module code	Descriptive name	Credits
VOED676	Nutrigenetics	16
VOED677	Nutrition Epidemiology	8
VOED678	Research report	16
VOED679	Nutrition at public health level	32
VOED680	Advanced Nutrition Science	16
VOED681	Sport Nutrition	16
FLGX612	Cardiovascular Physiology A	16
FLGX625	Endocrinology	16
MBWB682	Biokinetics: Clinical	16
MBWK686	Child Welfare and Health Promotion	8

#### G.1.15.8.3 Curriculum G626P: Nutrition

##### G.1.15.8.3.1 Curriculum outcomes

After the curriculum has been completed, the student should be able to:

- a) demonstrate an extensive and systematic knowledge level in the field of nutrition and particularly in specialisation areas like the planning and execution of epidemiological research programmes, nutrition at public health level, sport and exercise physiology and the genetic composition of different communities and the importance thereof for health promotion;
- b) demonstrate skills to apply a well-rounded and coherent and critical understanding of the principles and theory of nutrition, while relevant information in a specialist area (as mentioned above) of nutrition is collected and evaluated at a critical and advanced level, after which the information is processed to arrive at ethically responsible decisions based on well-grounded theories and proven facts; and
- c) demonstrate the capability as entrepreneur to identify and analyse real, complex nutrition-related lifestyle illnesses in communities and to plan and execute creative and innovative nutrition-related intervention programmes in an ethically responsible manner by using proven solutions and theory-driven arguments through group work and the use of IT aids as means of communication.

##### G.1.15.8.3.2 Compilation of curriculum G626P: Nutrition

**Qualification and programme code:** 202 132; **Curriculum code:** G626P

Only students who have passed one of the following qualifications may apply for admission to the post-graduate programme:

- a) BSc (Human Movement Science and Nutrition);
- b) BSc in Health Sciences: Nutrition and Physiology;
- c) BSc in Health Sciences: Psychology and Nutrition.

a) **Compulsory Modules: All students enrolled for the programme (G626P) must take the following modules:**

The compulsory modules contribute 50% (64 credits) to the total credit load for the year

Module code	Descriptive name	Credits
*VOED680	Advanced Nutrition Science	32
*VOED 678	Research report	32

\* Compulsory modules

b) **Students may make the following choices based on the modules taken on an undergraduate level:**

**GROUP A**

Only students with MBW and Nutrition as main courses must choose modules from this group for a total of 64 credits (50% of the total credit load for the year)

Module code	Descriptive name	Credits
**MBWB682	Biokinetics: Clinical	32
**MBWK686	Applied Research Methodology and Mini-dissertation	8
**VOED676	Nutrigenetics	16
**VOED677	Nutrition Epidemiology	16
**VOED679	Nutrition at public health level	32
**VOED681	Sport Nutrition	32
<b>Total credits for the curriculum</b>		<b>128</b>

\*\* Choice modules

**GROUP B**

Only students with Nutrition and Physiology as main courses must choose modules from this group for a total of 64 credits (50% of the total credit load for the year)

Module code	Descriptive name	Credits
**FLGX612	Cardiovascular Physiology A	16
**FLXG625	Endocrinology	16
**VOED676	Nutrigenetics	16
**VOED677	Nutrition Epidemiology	16
**VOED679	Nutrition at public health level	32
**VOED681	Sport Nutrition	32
<b>Total credits for the curriculum</b>		<b>128</b>

\*\* Choice modules

**GROUP C**

Only students with Psychology and Nutrition as main courses must choose modules from this group for a total of 64 credits (50% of the total credit load for the year)

Module code	Descriptive name	Credits
**VOED676	Nutrigenetics	16
**VOED677	Nutrition Epidemiology	16
**VOED679	Nutrition at public health level	32
**VOED681	Sport Nutrition	32
<b>Total credits for the curriculum</b>		<b>128</b>

\*\* Choice modules



**G.1.15.9 PROGRAMME: PSYCHOLOGY****Qualification code: 202 133 (F)**

The curricula composed for this programmed are of an academic nature. In composing the curricula, consideration was given to career possibilities and the manpower needs of the country. These curricula prepare the student for further post-graduate study in Psychology.

**G.1.15.9.1 Admission requirements of the programme**

In addition to the general admission requirements (A.6.1), the following Faculty admission requirements hold:

- a) candidates should be in possession of a B degree;
- b) Development psychology and Psychopathology should have been included in the curricula;
- c) an academic selection according to the criteria as determined by the school, where an average of 65% in Psychology is set as a minimum during the first B degree. The complete academic record is however taken into consideration; and
- d) a selection based on psychometric, personal and competency development as applicable in various programmers of the school.

**G.1.15.9.2 List of modules**

Module code	Descriptive name	Credits
PSYC671	Psychometrics	8
PSYC672	Psychological Evaluation	16
PSYC673	Applied Positive Psychology	16
PSYC674	Research psychology	16
PSYC675	Intervention techniques	16
PSYC676	Theoretical Perspectives on the Helping Relationship	16
PSYC677	Community Psychology	16
PSYC678	Psychopathology	16
PSYC679	Ethics and Professional Conduct	8
PSYC681	Facilitation of Community Wellness	16
STTN111	Descriptive Statistics	12
STTN124	Practical Statistics	12

**G.1.15.9.3 Curriculum G627 P: Psychology****G.1.15.9.3.1 Curriculum outcomes**

After completion of this programme students should be able to:

- a) demonstrate a comprehensive and systematic knowledge of psychometrics, psychological evaluation, psychopathology, basic intervention and counselling techniques, including programme development and programme presentation;
- b) do a critical evaluation of existing knowledge concerning theories, research methods, techniques and technology in psychology, and apply that knowledge to various contexts;

- c) diagnose psychological pathology in individuals, groups and communities, design basic intervention programmes and apply them in various socio-cultural circumstances;
- d) obtain, analyse and interpret relevant information concerning individuals, groups and communities, and communicate the information, either individually or as a member of a group, by writing reports, doing assignments, or reporting orally;
- e) reflect on the impact of the study material on the self as a person and as a future care giver; and
- f) observe, at all times, an ethical, professional and value-based code of conduct in all modes of communication and association with individuals and groups.

**G.1.15.9.3.2 Compilation of the curriculum : Psychology**

**Qualification and programme code:** 202 133; **Curriculum code:** G627P

Module code	Credits
PSYC671	8
PSYC672	16
PSYC673	16
PSYC674	16
PSYC675	16
PSYC676	16
PSYC677	16
PSYC678	16
PSYC679	8
PSYC681	16
STTN111	12
STTN124	12
<b>Total credits for the curriculum</b>	<b>168</b>

**G.1.16 RULES FOR THE DEGREE HONOURS BACCALAUREUS SCIENTIAE IN PHARMACOLOGY – TELEMATIC / DISTANCE**

**Qualification code: 840 100 (Telematic)** The Hons. BSc-degree in Pharmacology is only presented on a telematic basis by the Potchefstroom Campus of the North-West University.

The programme/curriculum is only presented in English.

**G.1.16.1 Duration (minimum and maximum)**

- a) The **minimum duration of the study is one (1) year** and the **maximum duration is three (3) years**.
- b) The programme is offered in such a manner that students can choose to do it in one or two years. It is recommended, however, that part-time students take the course over a period of two years.
- c) Students may also enrol for individual modules as certificate courses for purposes of continued professional development. A maximum of 3

modules may retain credit towards completion of the Honours BSc degree within a maximum period of three years.

**G.1.16.2 General admission requirements**

- a) Admission to honours programmes takes place in accordance with General rule A.6.1.
- b) Registration can take place throughout the year.

**G.1.16.3 Programme Pharmacology**

Continued professional development is an important and integral part of the South African strategy to improve public services. The programme in pharmacology is accredited by the Health Professions Council of South Africa (HPCSA) for the purpose of continued professional development (CPD) for medical practitioners. This programme aims at assisting the health care professionals in South Africa (medical practitioners, pharmacists, etc.) in practicing more effective pharmacotherapy in the community medicine.

**G.1.16.3.1 Admission requirements of the programme**

In addition to the General University rules the following rules also apply for this degree:

- a) admission is allowed only if the degree BSc (Pharm) or BPharm or MBChB or BChD was obtained or a qualification regarded by the Senate as equivalent to the above-mentioned degrees; and
- b) students with appropriate degrees in biological or biomedical sciences may, according to the judgement of the Faculty Board, obtain conditional admission, which implies that the student has to (1) prove competence in basic and computer skills, (2) successfully complete; Module 2 (*basic*) and any choice from Modules 4 to 8 (*clinical*) for non-degree purposes, (3) successfully complete an oral evaluation on the completed modules and (4) formally apply in writing to the Faculty Board for admission to the Hons. B.Sc. degree programme in pharmacology and for recognition of the completed modules for degree purposes; and
- c) students may, according to the judgement of the Faculty Board, be exempted from certain modules, or it may be expected from candidates to take additional course material.

**G.1.16.3.2 List of modules**

Module code	Descriptive name	Credits
Module 1 FKLT631	Principles of Pharmacokinetics	8
Module 2 FKLT632	Principles of Pharmacodynamics	16
Module 3 FKLT641	Drugs and the Peripheral Nervous System	8
Module 4 FKLT651	Drugs and the Central Nervous System	16
Module 5 FKLT661	Drugs and the Cardiovascular System	16
Module 6 FKLT633	Drugs for Pain, Inflammation, Fever and Airway Diseases	16
Module 7 FKLT642	Chemotherapy of Infections and Infestations	16
Module 8 FKLT652	Hormones, Hormonoids and Hormone Antagonists	16
Module 9 FKLT662	Drugs for GIT and Skin Disorders	8
Module 10 FKLT663	Vitamins, Haematopoetics and Immunopharmacology	8
MODULE 11 FKLT664	Advanced Pharmacological Principles	8
Module 12 FKLT665	Evidence-based Medicine	8
Module 13 FKLT671	Integrated Pharmacology	8

**G.1.16.3.3 Curriculum G640P: Pharmacology**

- a) The curriculum consists of 11 modules.
- b) Module 1-8 and 13 are compulsory.
- c) Any two elective modules from modules 9-12 must also be included.
- d) Modules 1-8 and any two electives from 9-12 are prerequisites for module 13.
- e) Modules 1-8 and the two elective modules may be completed in random order, although the suggested order is as indicated in the table.
- f) Basic computer and internet skills are pre-requisites for this programme. Students must proof their computer and internet skills through successful completion of either a required pre-test or module FWWT671 (an 8-credit certificate course presented at the University).

**G.1.16.3.3.1 Curriculum Outcomes**

The student will be capable to exercise accountable selections of drugs based on pharmacological and ethical principles in the best interest of the patient.

Students will be able to: (1) demonstrate a sound knowledge of the basic pharmacological principles underlying drug therapy, (2) have an insight into the dynamics and kinetics of interactions between drugs, including a comprehensive range of drug groups, (3) evaluate existing drug prescriptions, and advise the patient with regard to drug treatment, (4) synthesise individualised pharmacological treatment approaches for a wide range of

disease states, (5) retrieve the latest information on drug treatment from the Internet, (6) evaluate published clinical trials on drug treatment, (7) communicate individually and co-operatively in an Internet-based environment, (8) show a sensitivity for a patient-orientated approach to drug therapy, and (9) reason within the frame(work) of reference addressing relevant ethical questions regarding drug uses.

**G.1.16.3.3.2 Faculty-specific rules for the curriculum**

- a) As a general rule a ratio of 3:2 (participation mark : examination mark) is used to determine the module mark for modules 1 to 8, while a ratio of 1:1 is used for modules 9 to 12 and a ratio of 2:3 is used for module 13.
- b) A subminimum mark of 40% applies to each assessment for each module, including assignments, moderated group discussion forums, examination paper sand oral evaluations.

**G.1.16.3.3.3 Compilation of the Curriculum: Pharmacology**

**Qualification and programme code:** 840 100; **Curriculum code:** G640P

Module code	Credits
Module 1 FKLT631	8
Module 2 FKLT632	16
Module 3 FKLT641	8
Module 4 FKLT651	16
Module 5 FKLT661	16
Module 6 FKLT633	16
Module 7 FKLT642	16
Module 8 FKLT652	16
Module 9 FKLT662**	8
Module 10 FKLT663	8
Module 11 FKLT664**	8
Module 12 FKLT665**	8
Module 13 FKLT671	8
<b>Total credits for the curriculum</b>	<b>136</b>

Note: \*\* Electives (Any two from modules 9 - 12)

## **G.1.17 RULES FOR THE DEGREE HONOURS BACCALAUREUS PHARMACIAE**

### **Qualification code: 808 100 (Telematic / Distance)**

The Hons BPharm degree is presented on a distant learning basis only at the Potchefstroom Campus of the North-West University.

The programme is only presented in English.

The Hons BPharm. degree is a programme for post-graduate study in professional pharmacy. Various curricula can lead to this qualification, namely Community Pharmacy (G618P) and Hospital Pharmacy (G619P).

Students may also enroll for individual modules as certificate courses for purposes of continued professional development. A maximum of 3 modules may retain credit towards completion of the Honours B.Pharm. degree within a maximum period of three years.

### **G.1.17.1 Duration (minimum and maximum)**

The minimum duration of the study is one year and the maximum duration is three years.

### **G.1.17.2 General admission requirements**

- a) Admission to honours programmes takes place in accordance with General rule A.6.1.
- b) Registration take place according to General rule A.6.3.1.

### **G.1.17.3 PROGRAMME: PHARMACY**

The purpose of this direction is to provide post-graduate pharmacists the opportunity to become competent to practice as distinguished leaders on a highly specialised level as community and hospital pharmacists in providing a comprehensive pharmaceutical service to the inhabitants of South Africa.

#### **G.1.17.3.1 Admission requirements of the programme**

In addition to General University rules the following rules also apply to this degree:

- a) no student will be allowed into the Hons. BPharm. programme unless he/she has a BPharm. or BSc. (Pharm.) degree or another qualification deemed by the Senate as equivalent;
- b) experience in the appropriate pharmaceutical field will be strongly recommended, although it is not a prerequisite; and
- c) candidates with a Dip. Pharm qualification or another qualification deemed by the senate as equivalent may enroll for individual modules. Upon successful completion of a minimum number of these modules, on further application, the candidate may be admitted to the degree programme, provided he/she satisfies all the requirements as deemed by the senate.

### G.1.17.3.2 List of modules

Module code	Descriptive name	Credits
BMAN312	Pharmaceutical Management 1: Entrepreneurship	16
BSKT221	Pharmaceutical Management III Industrial Psychology	16
IOPS311	Organisation Psychology	16
FMIA613	Biopharmaceutics	16
FMIA614	Stability of Pharmaceutical Products	16
FMIA624	Novel and biotechnological products	16
FPHA611	Introduction to Pharmaco-Economics	16
FPHA612	Managed Pharmaceutical Care	16
FPHA613	Disease Management and Drug utilisation review	16
FPHA621	Pharmacotherapy I	16
FPHA622	Pharmacotherapy II	16
FPHA623	Pharmaco-epidemiology	16
FPHA624	Legislation and Quality Control	16
FPHA625	Medicines Supply Systems	
FPHA626	Pharmaceutical Management II	16

### G.1.17.3.3 Curriculum G618P: Community Pharmacy

The curriculum consists of module work (theoretical component) in the form of 10 modules (16 credits each), of which four (4) modules are compulsory. The optional modules are chosen in collaboration with the programme coordinator.

#### G.1.17.3.3.1 Curriculum outcomes

- a) The student will be able to practise on a highly specialised level as a Community Pharmacist in providing a comprehensive pharmaceutical service in the community pharmaceutical environment.
- b) The student will be:
  - (1) capable of providing a specialised community service within the scope of practise of pharmacists,
  - (2) in the position of a leader in the community pharmacy and functions of the profession; and
  - (3) able to apply research methodology by:
    - i) applying the principles of advanced pharmacy management in practice;
    - ii) utilising communication skills and adapting to different cultural contexts;
    - iii) having specialised knowledge of professional aspects pertaining to community pharmacy;
    - iv) applying the concepts of advanced pharmacotherapy in practice;

- v) utilising specialised knowledge of pharmaceutical care; and
- vi) management and control of effective medicine distribution systems in a community pharmacy environment.

#### G.1.17.3.3.2 Compilation of the curriculum Community Pharmacy

Qualification and programme code: 808 100; Curriculum code: G618P

Module code	Credits
BMAN312*	16
BSKT221*	16
IOPS311	16
FMIA613	16
FMIA614	16
FPHA611	16
FPHA612*	16
FPHA613	16
FPHA621	16
FPHA622	16
FPHA623	16
FPHA624*	16
FPHA626	16
<b>Credit total for the curriculum</b>	<b>160</b>

Note: \*Compulsory modules

#### G.1.17.3.4 Curriculum G619P: Hospital Pharmacy

The curriculum consists of module work (theoretical component) in the form of 10 modules (16 credits each), of which four (4) modules are compulsory. The optional modules are chosen in collaboration with the programme coordinator.

##### G.1.17.3.4.1 Curriculum outcomes

- a) The student will be able to practise on a highly specialised level as a Hospital Pharmacist in providing a comprehensive pharmaceutical service in the hospital environment.
- b) The student will furthermore be:
  - (1) able to provide a specialised service within the scope of practice of a Hospital Pharmacist,
  - (2) in a position of leadership in the Hospital Pharmacy environment and functions of the profession and
  - (3) able to apply research methodology by:
    - i) applying the principles of advanced pharmacy management in practice;
    - ii) utilising specialised skills of hospital pharmacy management;
    - iii) obtaining specialised knowledge of hospital pharmaceutical services;
    - iv) having specialised knowledge of professional aspects pertaining to hospital pharmacy;



- v) utilising specialised knowledge of pharmaceutical care; and
- vi) management and control of effective medicine distribution system in a hospital pharmacy environment.

**G.1.17.3.4.2 Compilation of the curriculum : Hospital Pharmacy**

**Qualification and programme code:** 808 100; **Kurrikulumkode:** G619P

Module code	Credits
BMAN312*	16
BSKT221*	16
IOPS311	16
FMIA613	16
FMIA614	16
FMIA624	16
FPHA611	16
FPHA612*	16
FPHA613	16
FPHA621	16
FPHA622	16
FPHA623	16
FPHA624*	16
FPHA625	16
FPHA626	16
<b>Credit total for the curriculum</b>	<b>160</b>

Note: \*Compulsory modules

**G.1.18 RULES FOR THE DEGREE HONOURS BACCALAUREUS (CONSUMER SCIENCES)**

**Qualification code: 835 100 (F + P)**

The honours degree follows a three year degree in Consumer Sciences or after the status of a bachelor's degree was obtained.

The study may be done full-time or part-time. The part-time option will only be offered in special cases.

**G.1.18.1 Duration (minimum and maximum)**

The minimum duration of the study is one year full-time and the maximum duration is two years full-time. For part-time study the minimum duration is two years and the maximum duration three years.

**G.1.18.2 Admission requirements of the programme**

- a) Admission to the honours study takes place according to General Rule A.6.1.
- b) Registration takes place according to General rule A.6.3.1.

### G.1.18.3 PROGRAMME: CONSUMER SCIENCES

The purpose is (1) to provide students who have already obtained a first degree in Consumer Sciences with specialised vocationally directed training that will enable them to fulfill the role of the consumer scientist within the retail industry and the manufacturing sector, and to do consumer research and solve consumer-orientated problems in these environments; and (2) to improve the general quality of life of the South African consumer in society with their scientific knowledge and skills by acting in an advisory capacity or through the development and implementation of consumer-orientated educational programmes.

#### G.1.18.3.1 Admission requirements of the programme

- a) A BSc or B degree in Consumer Sciences. If not in possession of these qualifications, a complete academic record must be submitted as proof of the completion of prescribed main courses (core modules).
- b) Admission to this degree occurs in consultation with the school director or his delegate, taking into account earlier academic achievements of the student. An average score of 60% in the BSc or B degree in Consumer Sciences or equivalent qualification is required. The average score is calculated according to undergraduate core modules of study years and ranking of students on a preference list.
- c) Admission is subject to available capacity in the subject group.
- d) Further requirements: Prerequisites as indicated against each module.

#### G.1.18.3.2 List of modules

Module code	Descriptive name	Credits
VNAM671	Research Methods and Scientific Writing Skills	24
VNAV671	Research Project: Project Report Submission	32
VVBG671	Consumer Behaviour	16
VVOO671	Adult Education and Training	16
VGHB671	Housing and Community Development	24
VGHB672	Consumer Resource Management	24
VGHB673	Interior Design	24
VKLE671	Advanced Textiles	24
VKLE672	Advanced Fashion Industry	24
VVDL672	Food Product Development	24
VVDL673	Consumer Behaviour in Foods	24

#### G.1.18.3.3 Curriculum G630P: Consumer Sciences

##### G.1.18.3.3.1 Curriculum outcomes

At the end of the study, the student should be able to open up new knowledge, do research, initiate entrepreneurial projects and utilise specialised knowledge in the chosen areas of study, thus improving the quality of life of the South African consumer.

### G.1.18.3.3.2 Faculty-specific requirements for the curriculum

Students who do not hold the three-year BSc degree in Consumer Sciences or the four-year B degree in Consumer Sciences, but who hold an equivalent qualification, must, to the satisfaction of the school director, take in the case of each of the following modules the opposite module(s) or equivalent modules before doing the relevant honours module. Students must formally apply for permission to register for the required modules at the University and must pass with an average of 60%.

VKLE671	VKLE214
VKLE672	VKLE214, 321
VGHB671	VGHB311
VGHB672	VGHB117, 214, 221
VGHB673	VGHB122, VGHB311
VVDL672	VVDL112, VVDL324
VVDL673	VVDL112, VVDL213
*VVBG671	VGHB117

**Comment:** \*Compulsory module for the qualification and will count towards admission. The same requirements apply for admission to the honours programme.

### G.1.18.3.3.3 Compilation of curriculum : Consumer Sciences

**Qualification - en programme code:** 835 100; **Curriculum code:** G630P

#### a) Compulsory modules

Module code	Descriptive name	Credits
VNAM671	Research Methods and Scientific Writing Skills	24
VNAV671	Research Project: Project Report Submission	32
VVBG671	Consumer Behaviour	16
VVOO671	Adult Education and Training	16

#### b) A student must in collaboration with the director of the school choose 2 more modules from group A or B or C

##### GROUP A

Module code	Descriptive name	Credits
VGHB671	Housing and Community Development	24
VGHB672	Consumer Resource Management	24
VGHB673	Interior Design	24
<b>Total credits for the curriculum</b>		<b>136</b>

#### GROUP B

Module code	Descriptive name	Credits
VGHB672	Consumer Resource Management	24
VGHB673	Interior Design	24
VKLE671	Advanced Textiles	24
VKLE672	Advanced Fashion Industry	24
<b>Total credits for the curriculum</b>		<b>136</b>

#### GROUP C

Module code	Descriptive name	Credits
VGHB672	Consumer Resource Management	24
VVDL672	Food Product Development	24
VVDL673	Consumer Behaviour in Foods	24
<b>Total credits for the curriculum</b>		<b>136</b>

#### G.1.19 RULES FOR THE DEGREE MASTER OF ARTS

##### G.1.19.1 Duration (Minimum and maximum)

- a) Studies towards a Masters degree can be done full-time or part-time (for selected curriculums).
- b) The **minimum duration** for the study is **1 year** and the **maximum duration 3 years**, calculated from the date of the first registration for the particular programme.
- c) General rule A.7.6 regulates the procedure for the extension of the study period.

##### G.1.19.2 Admission requirements

- a) Admission to this qualification takes place according to the stipulations of General Rule A.7.1.
- b) A student registering for the first time for the master's degree should do so before 31 March of the year under consideration
- c) Re-registration for further study years should take place on or before 31 March of every year.
- d) Approval of the study programme and relevant rules take place according to the stipulations in General Rule A.7.2.
- e) A student may during his/her study switch from or change the programme/curriculum for which he/she has registered, only with the written permission of the School Director and Research Director.

**G.1.19.3 PROGRAMME: RECREATION SCIENCES****Qualification code: 103 182 (F + P) (Recreation)**

The curricula composing this programme are of an academic nature. The programmes give an opportunity for the development of specialised and advanced knowledge, applied skills, attitudes and values as researchers in Recreation.

**G.1.19.3.1 Admission requirements for the programme**

In addition to the general admission requirements (General Rule A.7.1), the following admission requirements to the School hold:

- a) an average academic mark of 60% in the honours year;
- b) passing a selection process as prescribed for every specialist field/programme of the School; and
- c) approval by the School- and Research Directors.

**G.1.19.3.2 List of modules**

Module code	Descriptive name	Credits
RKKV871	Recreation Sciences (Dissertation)	180

**G.1.19.3.3 Curriculum G815P: Recreation Sciences****G.1.19.3.3.1 Curriculum outcomes**

After the curriculum has been completed, the student should:

- a) demonstrate a comprehensive/extensive and systematic knowledge base of Recreation Science with specialist knowledge of the area in which research is conducted;
- b) have a coherent and critical understanding of the appropriate theories, research methods and techniques to identify and analyse complex and real-life problems under supervision and react by using advanced information-gathering and processing skills; and
- c) demonstrate the ability to undertake a research project in an ethical and responsible way by applying research methods, techniques and technologies and write a research paper under supervision and orally present the findings to an audience of peers and professionals.

**G.1.19.3.3.2 Faculty-specific rules for the curriculum**

- a) A satisfactory behaviour and functioning record should be maintained on a continual basis by all students.

**G.1.19.3.3.3 Compilation of the curriculum : Recreation Science**

**Qualification-and programme code:** 103 182; **Curriculum code:** G815P

Module code	Credits
RKKV871	180
<b>Total credits for the curriculum</b>	<b>180</b>

**G.1.19.4 PROGRAMME: BIODINAMICS****Qualification code: 103 191 (F + P) (Biokinetics)**

The curricula composing this programme are of an academic nature. The programmes give an opportunity for the development of specialised and advanced knowledge, applied skills, attitudes and values as researchers in Biokinetics.

**G.1.19.4.1 Admission requirements for the programme**

In addition to the general admission requirements (General Rule A.7.1), the following admission requirements to the School hold:

- a) an average academic mark of 60% in the honours year;
- b) passing a selection process as prescribed for every specialist field/programme of the School; and
- c) approval by the School and Research Focus Directors.

**G.1.19.4.2 List of modules**

Module code	Descriptive name	Credits
MBWB871	Dissertation: Biokinetics	180

**G.1.19.4.3 Curriculum G801P: Biokinetics****G.1.19.4.3.1 Curriculum outcomes**

After the curriculum has been completed, student should:

- a) demonstrate a comprehensive/extensive and systematic knowledge base of Biokinetics, with specialist knowledge of the area in which research is done;
- b) have a coherent and critical understanding of the appropriate theories, research methods and techniques to identify and analyse complex and real-life problems under supervision and react by using advanced information-gathering and processing skills; and
- c) demonstrate the ability to undertake a research project in an ethical and responsible manner by applying research methods, techniques and technologies and write a research paper under supervision and orally present the findings to an audience of peers and professionals.

**G.1.19.4.3.2 Faculty-specific rules for the curriculum**

- a) A satisfactory behaviour and functioning record should be maintained on a continual basis by all students.

**G.1.19.4.3.3 Compilation of the curriculum : Biokinetics**

**Qualification-and programme code:** 103 191; **Curriculum code:** G801P

Module code	Credits
MBWB871	180
<b>Total credits for the curriculum</b>	<b>180</b>

**G.1.19.5 PROGRAMME : KINDERKINETICS**

**Qualification code: 103 192 (F + P) (Kinderkinetics)**

The curricula composing this programme are of an academic nature. The programmes give an opportunity for the development of specialised and advanced knowledge, applied skills, attitudes and values as researchers in Kinderkinetics.

**G.1.19.5.1 Admission requirements for the programme**

In addition to the general admission requirements (General Rule A.7.1), the following admission requirements to the School hold:

- a) an average academic mark of 60% in the honours year;
- b) passing a selection process as prescribed for every specialist field/programme of the School; and
- c) approval by the School- and Research Directors.

**G.1.19.5.2 List of modules**

Module code	Descriptive name	Credits
MBWK871	Dissertation: Kinderkinetics	180

**G.1.19.5.3 Curriculum G802P: Kinderkinetics**

**G.1.19.5.3.1 Curriculum outcomes**

After the curriculum has been completed, the student should:

- a) be able to demonstrate a comprehensive/extensive and systematic knowledge base of human movement science or recreation science, with specialist knowledge about the area in which research was conducted;
- b) have a coherent and critical understanding of the appropriate theories, research methods and techniques, and use advanced information-gathering and processing skills under supervision in order to identify and analyse complex and real-life problems and react to them; and
- c) demonstrate the ability to undertake a research project in an ethical and responsible way by applying research methods, techniques and technologies and write a research dissertation under supervision and orally defend the findings to an audience of peers and professionals.

**G.1.19.5.3.2 Faculty-specific rules for the curriculum**

- a) A satisfactory behaviour and functioning record should be maintained on a continual basis by all students.

**G.1.19.5.3.3 Compilation of the curriculum : Kinderkinetics**

**Qualification-and programme code: 103 192; Curriculum code: G802P**

Module code	Credits
MBWK871	180
<b>Total credits for the curriculum</b>	<b>180</b>

**G.1.19.6 PROGRAMME: SPORT SCIENCE**

**Qualification code: 103 193 (F + P) (Sport Science)**

The curricula composing this programme are of an academic nature. The programmes give an opportunity for the development of specialised and advanced knowledge, applied skills, attitudes and values as researchers in Sport Sciences.

**G.1.19.6.1 Admission requirements for the programme**

In addition to the general admission requirements (General Rule A.7.1), the following admission requirements to the School hold:

- a) an average academic mark of 60% in the honours year;
- b) passing a selection process as prescribed for every specialist field/programme of the School; and
- c) approval by the School and Research Focus Directors.

**G.1.19.6.2 List of modules**

Module code	Descriptive name	Credits
MBWS871	Dissertation: Sport Science	180

**G.1.19.6.3 Curriculum G803P: Sport Science**

**G.1.19.6.3.1 Curriculum outcomes**

After the curriculum has been completed, the student should:

- a) Be able to demonstrate a comprehensive/extensive and systematic knowledge base of Sport Science with specialist knowledge in Biokinetics /Sport Sciences /Kinderkinetics /Recreation Sciences;
- b) Sintesize and apply knowledge regarding research methods and techniques applicable to one of the abovementioned specializing fields in the planning, compiltation and execution of a research project;
- c) Identify and solve a complex research problem or question concerning one of the abovementioned specializing areas through advanced information development and processing skills as well as the collection, capturing, analyzing and interpretation of research data;
- d) Present a dissertation which comply to the standards of scientific professional writing by means of advanced information technology, and communicate it to a national specialist-examination panel through professional academic reasoning;
- e) Act in an ethical and responsible way within the required parameters of the research project during the execution of projects and the compilation and finalization of the dissertation.

**G.1.19.6.3.2 Faculty-specific rules for the curriculum**

- a) A satisfactory behaviour and functioning record should be maintained on a continual basis by all students.



**G.1.19.6.3.3 Compilation of the curriculum : Sport Sciences**

**Qualification-and programme code:** 103 193; **Curriculum code:** G803P

Module code	Credits
MBWS871	180
<b>Total credits for the curriculum</b>	<b>180</b>

**G.1.19.7 PROGRAMME: PSYCHOLOGY**

**Qualification code: 103181 (F + P) (Psychology)**

This programme's aim is academic research in Psychology.

**G.1.19.7.1 Admission requirements for the programme**

In addition to the general admission requirements (General Rule A.7.1), the following faculty admission requirement holds:

- a) passing of an academic and personality screening at the completion of the honours degree for admission to the programme.

**G.1.19.7.2 List of modules**

Module code	Descriptive name	Credits
PSYC871	Dissertation: Psychology	180

**G.1.19.7.3 Curriculum G801P: Psychology****G.1.19.7.3.1 Curriculum outcomes**

After completion of the curriculum the student should be able to:

- a) demonstrate advanced knowledge and competencies in the identification of a research question that can be researched individually or interdisciplinary;
- b) design and apply appropriate qualitative and/or quantitative formats and procedures in an ethical and scientific way;
- c) interpret and report research findings scientifically; and
- d) go through the research process by effectively cooperating with others.

**G.1.19.7.3.2 Faculty-specific rules for the curriculum**

- a) A satisfactory behaviour and functioning record should be maintained on a continual basis by all students.

**G.1.19.7.3.3 Compilation of the curriculum : Psychology**

**Qualification-and programme code:** 103 181; **Curriculum code:** G801P

Module code	Credits
PSYC871	180
<b>Total credits for the curriculum</b>	<b>180</b>

**G.1.19.8 PROGRAMME: CLINICAL PSYCHOLOGY****Qualification code: 103 183 (F) (Clinical Psychology)**

- a) The programme is professional in nature. In developing this curriculum, requirements of the *Health Professions Council of South Africa (HPCSA)*, and national and regional needs were taken into consideration by addressing them in the research focus area AUTHeR. In composing the curriculum, consideration was given to career possibilities and manpower needs of our country. This curriculum prepares the student for further post-graduate studies in Psychology.
- b) The Clinical Psychology Programme gives an opportunity for specialised and advanced training and is a prerequisite for registration as an intern and eventually Clinical Psychologist at the Health Professions Council of South Africa (HPCSA).

**G.1.19.8.1 Admission requirements for the programme**

In addition to the general admission requirements (A.7.1), the following Faculty admission requirement holds:

- a) passing of an academic and personality screening at the completion of the honours degree in Psychology or an applicable equivalent (min 65%) for admission to the professional programme in Clinical Psychology.

**G.1.19.8.2 List of modules**

Module code	Descriptive name	Credits
PSYK872	Research Theory and Dissertation	100
PSYC878	Psychopharmacology, Adult Psychopathology and Neuropsychology	20
PSYC879	Child and Adolescent Pathology and Therapy	20
PSYC880	Theory of Psychological Interventions	20
PSYC881	Applied Psychological Interventions	20
PSYC882	Professional Aspects, Psycho Diagnostics and Practical Work	20

**G.1.19.8.3 Curriculum G801P: Clinical Psychology****G.1.19.8.3.1 Curriculum outcomes**

The student will comply with the requirements of the Health Professions Council of South Africa (HPCSA) to register for an internship in Clinical Psychology and will be equipped with specialised and advanced knowledge to provide curative services, diagnose and prevent pathology, and promote biopsychosocial health as well as primary, secondary and tertiary welfare in individuals, families, organisations and communities; particularly with those people facing serious life challenges and relative serious forms of psychopathology and psychological distress.

#### G.1.19.8.3.2 Faculty-specific rules for the curriculum

- a) A satisfactory behaviour and functioning record should be maintained on a continual basis by all students in the professional programmes. The department is free to terminate a student's studies if the academic, behavioral and/or functioning record is unsatisfactory and/or poses a threat to their own health or that of society.
- b) Academic excellence is at all times a priority. A participation mark of 65% is required for exam entrance and a pass mark of 55%. Candidates may only be awarded a 2<sup>nd</sup> exam opportunity in 1 module. If the 2<sup>nd</sup> opportunity is failed the entire year must be repeated. If more than one module are failed the students fails the course.
- c) If the experiential progress is not as desired, the internship may be extended.

#### G.1.19.8.3.3 Compilation of the curriculum : Clinical Psychology

Qualification-and programme code: 103 183; Curriculum code: G801P

Module code	Credits
PSYK872	100
PSYC878	20
PSYC879	20
PSYC880	20
PSYC881	20
PSYC882	20
<b>Total credits for the curriculum</b>	<b>200</b>

#### G.1.19.9 PROGRAMME: COUNSELLING PSYCHOLOGY

Qualification code: 103 184 (Counselling Psychology)

- a) The programme is professional in nature. In developing this curriculum, requirements of the *Health Professions Council of South Africa (HPCSA)*, and national and regional needs were taken into consideration by addressing them in the research focus area AUTHeR. In composing the curriculum, consideration was given to career possibilities and manpower needs of our country. This curriculum prepares the student for further post-graduate studies in Psychology.
- b) The Counselling Psychology Programme gives an opportunity for specialised and advanced training and is a prerequisite for registration as an intern and eventually Counselling Psychologist at the Health Professions Council of South Africa (HPCSA).

#### G.1.19.9.1 Admission requirements for the programme

In addition to the general admission requirements (A.7.1), the following Faculty admission requirement holds:

- a) passing of an academic and personality screening at the completion of the honours degree in Psychology or an applicable equivalent (min 65%) or admission to the professional programme in Counselling Psychology.

**G.1.19.9.2 List of modules**

Module code	Descriptive name	Credits
PSYV872	Research Theory and Dissertation	100
PSYC878	Psychopharmacology, Adult Psychopathology and Neuropsychology	20
PSYV879	Child and Adolescent Development, Pathology and Therapy	20
PSYC880	Theory of Psychological Interventions	20
PSYV881	Applied Counselling and Psychological Interventions	20
PSYC882	Professional Aspects, Psycho Diagnostics and Practical Work	20

**G.1.19.9.3 Curriculum G801P: Counselling Psychology****G.1.19.9.3.1 Curriculum outcomes**

The student will comply with the requirements of the Health Professions Council of South Africa (HPCSA) to register for an internship in Clinical Psychology and will be equipped with specialised and advanced knowledge to provide curative services, diagnose and prevent pathology, and promote biopsychosocial health as well as primary, secondary and tertiary welfare in individuals, families, organisations and communities; particularly with those people facing serious life challenges and relative serious forms of psychopathology and psychological distress.

**G.1.19.9.3.2 Faculty-specific rules for the curriculum**

- a) A satisfactory behaviour and functioning record should be maintained on a continual basis by all students in the professional programmes. The department is free to terminate a student's studies if the academic, behavioral and/or functioning record is unsatisfactory and/or poses a threat to their own health or that of society.
- b) Academic excellence is at all times a priority. A participation mark of 65% is required for exam entrance and a pass mark of 55%. Candidates may only be awarded a 2<sup>nd</sup> exam opportunity in 1 module. If the 2<sup>nd</sup> opportunity is failed the entire year must be repeated. If more than one module are failed the students fails the course.
- c) If the experiential progress is not as desired, the internship may be extended.

**G.1.19.9.3.3 Compilation of the curriculum : Counselling Psychology**

**Qualification-and programme code:** 103 184; **Curriculum code:** G801P

Module code	Credits
PSYV872	100
PSYC878	20
PSYV879	20
PSYC880	20
PSYV881	20
PSYC882	20
<b>Total credits for the curriculum</b>	<b>200</b>

**G.1.19.10 PROGRAMME: RESEARCH PSYCHOLOGY**

**Qualification code: 103 185 (F) (Research Psychology)**

- a) The programme is professional in nature. In developing this curriculum, national and regional needs were taken into consideration by addressing them in the research focus area AUThER. In composing the curriculum, consideration was given to career possibilities and manpower needs of our country. This curriculum prepares the student for further post-graduate studies in Psychology.
- b) The Research Psychology Programme gives an opportunity for specialised and advanced training and is a prerequisite for registration as Psychologist at the Health Professions Council of South Africa (HPCSA).

**G.1.19.10.1 Admission requirements for the programme**

In addition to the General admission requirements (A.7.1), the following Faculty admission requirement holds:

- a) passing of an academic and personality screening at the completion of the honours degree for admission to the professional programme in Research Psychology

**G.1.19.10.2 List of modules**

Module code	Descriptive name	Credits
PSYC872	Dissertation	116
PSYC874	Critical Research Skills	16
PSYC875	Quantitative Research Methods	16
PSYC876	Qualitative Research Methods	16
PSYC877	Project management	16

**G.1.19.10.3 Curriculum G801P: Research Psychology**

**G.1.19.10.3.1 Curriculum outcomes**

After completing this curriculum, the student should:

- a) demonstrate advanced, systematic and specialist knowledge to undertake research at individual, community and/or interdisciplinary level by applying appropriate research methods and techniques to identify, analyse and formulate complex research problem(s) in the domain of psychology;
- b) demonstrate advanced strategies to obtain, analyse and evaluate applicable information for its relevance and validity;

- c) use applicable quantitative and/or qualitative research methods to provide answers for research phenomena;
- d) interpret results in a scientific manner;
- e) integrate research findings and reflect on it critically;
- f) communicate the findings orally by means of applicable IT and by writing it up in research reports; and
- g) perform and communicate research in an ethical and scientific manner.

After the successful completion of the academic curriculum and an internship, the student complies with the requirements of the *Health Professions Council of South Africa (HPCSA)* and may register as a Research Psychologist, if the student so desires.

**G.1.19.10.3.2 Faculty-specific rules for the curriculum**

- a) A satisfactory behaviour and functioning record should be maintained on a continual basis by all students in the professional programmes.
- b) If the experiential progress is not as desired, the internship may be extended.

**G.1.19.10.3.3 Compilation of the curriculum : Reseach Psychology**

**Qualification-and programme code:** 103 185; **Curriculum code:** G801P

Module code	Credits
PSYC872	116
PSYC874	16
PSYC875	16
PSYC876	16
PSYC877	16
<b>Total credits for the curriculum</b>	<b>180</b>

**G.1.20 RULES FOR THE DEGREE MAGISTER SCIENTIAE**

**G.1.20.1 Duration (minimum and maximum)**

- a) This qualification may be obtained in one of the programmes and curricula that are further described below. The professional training may only be done full-time, while the academic training may be done full-time or part-time.
- b) The minimum duration of the study is one year and the maximum duration is three years, calculated from the date of first registration for the specific programme.
- c) General Rule A.7.6 governs the procedure for the extension of the study period.

**G.1.20.2 Admission requirements of the programme**

- a) Admission to this qualification takes place according to General Rule A.7.1.
- b) A student that registers for the first time for the master's degree should do it before 31 March of the specific year.
- c) Re-registration for the further study years should take place annually, before or on 31 March.
- d) Approval of the study programme and relevant rules take place according to the stipulations in General Rule A.7.2.

**G.1.20.3 PROGRAMME: BIOKINETICS**

**Qualification code: 203195 (F + P) (Biokinetics)**

The curricula composing this programme are of an academic nature. The programmes give an opportunity for the development of specialised and advanced knowledge, applied skills, attitudes and values as researchers in Biokinetics.

**G.1.20.3.1 Admission requirements for the programme**

In addition to the general admission requirements (General Rule A.7.1), the following admission requirements to the School hold:

- a) an average academic mark of 60% in the honours year;
- b) passing a selection process as prescribed for every specialist field/programme of the School; and
- c) approval by the School and Research directors respectively.

**G.1.20.3.2 List of modules**

Module code	Descriptive name	Credits
MBWB871	Dissertation: Biokinetics	180

**G.1.20.3.3 Curriculum G801P: Biokinetics**

**G.1.20.3.3.1 Curriculum outcomes**

After the curriculum has been completed, student should:

- a) demonstrate a comprehensive/extensive and systematic knowledge base of Biokinetics, with specialist knowledge of the area in which research is done;
- b) have a coherent and critical understanding of the appropriate theories, research methods and techniques to identify and analyse complex and real-life problems under supervision and react by using advanced information-gathering and processing skills; and
- c) demonstrate the ability to undertake a research project in an ethical and responsible manner by applying research methods, techniques and technologies and write a research paper under supervision and orally present the findings to an audience of peers and professionals.

**G.1.20.3.3.2 Faculty-specific rules for the curriculum**

A satisfactory behaviour and functioning record should be maintained on a continual basis by all students.

**G.1.20.3.3.3 Compilation of the curriculum : Biokinetics****Qualification-and programme code:** 203 195; **Curriculum code:** G801P

Module code	Credits
MBWB871	180
<b>Total credits for the curriculum</b>	<b>180</b>

**G.1.20.4 PROGRAMME: KINDERKINETICS****Qualification code:** 203 196 (F + P) (Kinderkinetics)

The curricula composing this programme are of an academic nature. The programmes give an opportunity for the development of specialised and advanced knowledge, applied skills, attitudes and values as researchers in Kinderkinetics.

**G.1.20.4.1 Admission requirements for the programme**

In addition to the general admission requirements (General Rule A.7.1), the following admission requirements to the School hold:

- a) an average academic mark of 60% in the honours year;
- b) passing a selection process as prescribed for every specialist field/programme of the School; and
- c) approval by the School and Research directors respectively.

**G.1.20.4.2 List of modules**

Module code	Descriptive name	Credits
MBWK871	Dissertation: Kinderkinetics	180

**G.1.20.4.3 Curriculum G802P: Kinderkinetics****G.1.20.4.3.1 Curriculum outcomes**

After the curriculum has been completed, the student should:

- a) be able to demonstrate a comprehensive/extensive and systematic knowledge base of human movement science or recreation science, with specialist knowledge about the area in which research was conducted;
- b) have a coherent and critical understanding of the appropriate theories, research methods and techniques, and use advanced information-gathering and processing skills under supervision in order to identify and analyse complex and real-life problems and react to them; and
- c) demonstrate the ability to undertake a research project in an ethical and responsible way by applying research methods, techniques and technologies and write a research dissertation under supervision and orally defend the findings to an audience of peers and professionals.

**G.1.20.4.3.2 Faculty-specific rules for the curriculum**

A satisfactory behaviour and functioning record should be maintained on a continual basis by all students.



**G.1.20.4.3.3 Compilation of the curriculum : Kinderkinetics**

**Qualification and programme code:** 203 196; **Kurrikulumkode:** G802P

Module code	Credits
MBVK871	180
<b>Total credits for the curriculum</b>	<b>180</b>

**G.1.20.5 PROGRAMME: SPORT SCIENCE**

**Qualification code: 203 197 (F + P) (Sport Science)**

The curricula composing this programme are of an academic nature. The programmes give an opportunity for the development of specialised and advanced knowledge, applied skills, attitudes and values as researchers in Sport Sciences.

**G.1.20.5.1 Admission requirements for the programme**

In addition to the general admission requirements (General Rule A.7.1), the following admission requirements to the School hold:

- a) an average academic mark of 60% in the honours year;
- b) passing a selection process as prescribed for every specialist field/programme of the School; and
- c) approval by the School and Research directors respectively.

**G.1.20.5.2 List of modules**

Module code	Descriptive name	Credits
MBWS871	Dissertation: Sport Sciences	180

**G.1.20.5.3 Curriculum G803P: Sport Sciences**

**G.1.20.5.3.1 Curriculum outcomes**

After the curriculum has been completed, the student should:

- a) Be able to demonstrate a comprehensive/extensive and systematic knowledge base of Sport Science with specialist knowledge in Biokinetics /Sport Sciences /Kinderkinetics /Recreation Sciences;
- b) Sintesize and apply knowledge regarding research methods and techniques applicable to one of the abovementioned specializing fields in the planning, compiltation and execution of a research project;
- c) Identify and solve a complex research problem or question concerning one of the abovementioned specializing areas through advanced information development and processing skills as well as the collection, capturing, analyzing and interpretation of research data;
- d) Present a dissertation which comply to the standards of scientific professional writing by means of advanced information technology, and communicate it to a national specialist-examination panel through professional academic reasoning;

- e) Act in an ethical and responsible way within the required parameters of the research project during the execution of projects and the compilation and finalization of the dissertation.

**G.1.20.5.3.2 Faculty-specific rules for the curriculum**

A satisfactory behaviour and functioning record should be maintained on a continual basis by all students.

**G.1.20.5.3.3 Compilation of the curriculum : Sport Sciences**

**Qualification and programme code:** 203 197; **Curriculum code:** G803P

Module code	Credits
MBWS871	180
<b>Total credits for the curriculum</b>	<b>180</b>

**G.1.20.6 PROGRAMME: PHARMACEUTICAL CHEMISTRY**

**Qualification code: 203 184 (F + P) (Pharmaceutical Chemistry)**

- a) The MSc degree in Pharmaceutical Chemistry is a research-based degree and consists of a research project and the writing of a dissertation in Pharmaceutical Chemistry. The aim of the curricula is to provide in South Africa's need of high-level manpower in the pharmacy profession. The student will distinguish himself/herself as a specialist in the specific chosen field (programme) and will be capable of applying Research Methodology at this level and in the specific field of study.
- b) The curricula are presented full-time and part-time in Afrikaans and English.

**G.1.20.6.1 Admission requirements for the programme**

- a) Admission to a specific curriculum takes place by virtue of a selection by the director of the Unit for Drug Research and Development and/or the school director. The research director or school director may refuse a prospective student admission to a curriculum if the standard of proficiency that the student has reached previously in the specific subject(s) in which he/she wants to study does not comply with the specific curriculum requirements.
- b) Apart from exceptions that the Senate may approve, the admission requirements for the Pharmaceutical Chemistry degree, is a four year BPharm degree, a BSc (Pharm)-degree, a suitable honours degree with Chemistry on at least third year level, or a qualification which the Senate deems to be equivalent. In all the above-mentioned cases additional course work will be required as determined by the specific programme coordinator.

**G.1.20.6.2 List of modules**

Module code	Descriptive name	Credits
FCHG871	Dissertation: Pharmaceutical Chemistry	180

**G.1.20.6.3 Curriculum G801P: Pharmaceutical Chemistry**

The curriculum consists of a research project in a field within the relevant research focus area, culminating in the writing of a dissertation. A participation mark is accrued from the attendance/completion of specific modules which, according to the specific supervisor, may be of importance for the student in completing his/her study. The modules are indicated and set out in the "Information document for master's degree study" in the Unit for Drug Research and Development.

**G.1.20.6.3.1 Curriculum outcomes**

After completion of the programme the student should be able to:

- demonstrate advanced / comprehensive specialist knowledge and skills in order to identify relevant research questions within the field of Pharmaceutical Chemistry;
- identify a research problem/need, and to plan and execute a suitable research design in a scientific and ethical manner by making use of appropriate research methods, techniques and procedures;
- interpret and integrate research findings in a scientifically accountable manner, and in a scientific and ethical way communicate - orally and in writing - the necessary information by means of a research report; and
- act as a leader, i.e. ethically and responsibly, in the pharmacists' profession in the field of Pharmaceutical Chemistry.

**G.1.20.6.3.2 Compilation of the curriculum : Pharmaceutical Chemistry**

**Qualification and programme code:** 203 184; **Curriculum code:** G801P

Module code	Credits
FCHG871	180
<b>Total credits for the curriculum</b>	<b>180</b>

**G.1.20.7 PROGRAMME: PHARMACOLOGY**

**Qualification code:** 203 185 (F + P) (Pharmacology)

- The MSc degree in Pharmacology is a research-based degree and consists of a research project and the writing of a dissertation in Pharmacology. The aim of the curricula is to provide in South Africa's need of high-level manpower in the pharmacy profession. The student will distinguish himself/herself as a specialist in the specific chosen field (programme) and will be capable of applying Research Methodology at this level and in the specific field of study.

- b) The curricula are presented full-time and part-time in Afrikaans and English.

**G.1.20.7.1 Admission requirements for the programme**

- a) Admission to a specific curriculum takes place by virtue of a selection by the director of the Unit for Drug Research and Development and/or the school director. The research director or school director may refuse a prospective student admission to a curriculum if the standard of proficiency that the student has reached previously in the specific subject(s) in which he/she wants to study does not comply with the specific curriculum requirements.
- b) For the programme in Pharmacology (G801P) a Hons BSc-degree in Pharmacology, a four-year BPharm degree or an equivalent qualification which the Senate may approve, are required. In all the above-mentioned cases additional course work will be required as determined by the specific programme coordinator.

**G.1.20.7.2 List of modules**

Module code	Descriptive name	Credits
FKLG871	Dissertation: Pharmacology	180

**G.1.20.7.3 Curriculum G801P: Pharmacology**

The curriculum consists of a research project in a field within the relevant research focus area, culminating in the writing of a dissertation. A participation mark is accrued from the attendance/completion of specific modules which, according to the specific supervisor, may be of importance for the student in completing his/her study. The modules are indicated and set out in the "Information document for master's degree study" in the Unit for Drug Research and Development.

**G.1.20.7.3.1 Curriculum outcomes**

After completion of the programme the student should be able to:

- a) demonstrate advanced / comprehensive specialist knowledge and skills in order to identify relevant research issues within the field of Pharmacology;
- b) identify a research problem/need, and to plan and execute a suitable research design in a scientific and ethical manner by making use of appropriate research methods, techniques and procedures;
- c) interpret and integrate research findings in a scientifically accountable manner, and in a scientific and ethical way communicate - orally and in writing - the necessary information by means of a research report; and
- d) act as a leader, i.e. ethically and responsibly, in appropriate research and health professions in the field of Pharmacology.

**G.1.20.7.3.2 Compilation of the curriculum : Pharmacology**

**Qualification and programme code:** 203 185; **Curriculum code:** G801P

Module code	Credits
FKLG871	180
<b>Total credits for the curriculum</b>	<b>180</b>

**G.1.20.8 PROGRAMME: PHARMACEUTICS**

**Qualification code: 203 186 (F + P) (Pharmaceutics)**

- a) The MSc degree in Pharmaceutics is a research-based degree and consists of a research project and the writing of a dissertation in Pharmaceutics. The aim of the curricula is to provide in South Africa's need of high-level manpower in the pharmacy profession. The student will distinguish himself/herself as a specialist in the specific chosen field (programme) and will be capable of applying Research Methodology at this level and in the specific field of study.
- b) The curricula are presented full-time and part-time in Afrikaans and English.

**G.1.20.8.1 Admission requirements for the programme**

- a) Admission to a specific curriculum takes place by virtue of a selection by the director of the Unit for Drug Research and Development and/or the school director. The research director or school director may refuse a prospective student admission to a curriculum if the standard of proficiency that the student has reached previously in the specific subject(s) in which he/she wants to study does not comply with the specific curriculum requirements.
- b) Apart from exceptions that may be approved by the Senate the admission requirements for the Pharmaceutics (G801P) curriculum is a 4-year BPharm degree, a BSc (Pharm) degree, an applicable honours degree or a qualification the Senate see as equivalent. In all the mentioned cases, additional course work, determined by the programme coordinator, will be required.

**G.1.20.8.2 List of modules**

Module code	Descriptive name	Credits
FMSG871	Dissertation: Pharmaceutics	180

**G.1.20.8.3 Curriculum G801P: Pharmaceutics**

The curriculum consists of a research project in a field within the relevant research focus area, culminating in the writing of a dissertation. A participation mark is accrued from the attendance/completion of specific modules which, according to the specific supervisor, may be of importance for the student in completing his/her study. The modules are indicated and set out in the "Information document for master's degree study" in the Unit for Drug Research and Development.

**G.1.20.8.3.1 Curriculum outcomes**

After completion of the programme the student should be able to:

- a) demonstrate advanced/comprehensive specialist knowledge and skills in order to identify relevant research questions within the field of Pharmaceutics;
- b) identify a research problem/need, and to plan and execute a suitable research design in a scientific and ethical manner by making use of appropriate research methods, techniques and procedures;
- c) interpret and integrate research findings in a scientifically accountable manner, and in a scientific and ethical way communicate - orally and in writing - the necessary information by means of a research report; and
- d) act as a leader, i.e. ethically and responsibly, in the pharmacists' profession in the field of Pharmaceutics.

**G.1.20.8.3.2 Composition of the curriculum : Pharmaceutics**

**Qualification and programme code:** 203 186; **Curriculum code:** G801P

Module code	Credits
FMSG871	180
<b>Total credits for the curriculum</b>	<b>180</b>

**G.1.20.9 PROGRAMME: OCCUPATIONAL HYGIENE**

**Qualification code: 203 160 (F)**

The objective of this qualification is the training of post-graduate students, enabling them to function as occupational hygienists at a highly qualified level as researchers in the health sciences.

**G.1.20.9.1 Admission requirements for the programme**

In addition to the general admission requirements in the A Rules (A.7.1), the following admission requirements apply:

- a) the student must be in possession of a relevant honours bachelors degree or equivalent qualification;
- b) at least 60% in Physiology (or equivalent qualification) at honours level;
- c) approval by the school director;
- d) selection is subject to available capacity; and
- e) the student must provide proof of immunisation, at least against Hepatitis B.

**G.1.20.9.2 List of modules**

Module code	Descriptive name	Credits
FLGX873	Mini-Dissertation: Occupational Hygiene	96
FLGX884	Occupational hygiene monitoring B	24
FLGX885	Vibration, heat and ergonomic factors	24
FLGX886	Labour legislation	24
FLGX887	Personal protection equipment and radiation	24

**G.1.20.9.3 Curriculum G851P: Occupational Hygiene****G.1.20.9.3.1 Curriculum outcomes**

The qualified student will be equipped with advanced knowledge and skills to identify a relevant research need within the field of occupational hygiene; plan and execute a suitable quantitative and/or qualitative research design in a scientific ethical manner and utilize suitable research methods, -techniques and –procedures in the approach; interpret research results in a scientific accountable manner and compile a research report on it. The student will have the skills to function as a occupational hygienist in the industry.

**G.1.20.9.3.2 Faculty-specific rules for the curriculum**

- a) A satisfactory behaviour and functioning record should be maintained on a continual basis by the students.
- b) Four examination papers and a mini-dissertation should be completed during the curriculum.
- c) The module mark is calculated as follows: Mini-dissertation – 50% and average of four modules – 50%.

**G.1.20.9.4 Compilation of the curriculum : Occupational Hygiene**

**Qualification and programme code:** 203 160; **Curriculum code:** G851P

Module code	Credits
FLGX873	96
FLGX884	24
FLGX885	24
FLGX886	24
FLGX887	24
<b>Total credits for the curriculum</b>	<b>192</b>

**G.1.20.10 PROGRAMME: NUTRITION****Qualification code: 203 166 (F + P)**

The programme is composed in such a way that the student has a choice between either the research-directed curriculum (G871P), which includes a dissertation, or the structured curriculum (G870P), which includes three papers and a mini-dissertation, based on a research project.

**G.1.20.10.1 Admission requirements for the programme**

- a) A student that has obtained the MBChB degree may be admitted to the degree MSc (Nutrition) if his/her inadequate knowledge is improved to the satisfaction of the School Director for Physiology, Nutrition and Consumer Sciences;
- b) Selection is subject to the academic performance of the student and the available capacity in the subject group. Preference will be given to full-time students.
- c) To be admitted to the MSc in Nutrition, the student should have obtained at least 60% in the honours study;

**OR**

obtained at least 60% in each of the following modules: VTRP314 OR VNDL311; VTRP321; VOED323 and VNAV471 or VNAV472 or equivalent qualifications (this rule applies for students with a 4-year Dietetics degree).

**G.1.20.10.2 List of modules**

Module code	Descriptive name	Credits
VOED871	Dissertation	192
VOED873	Mini-dissertation	96
VOED874	Public Health Nutrition	32
VOED875	Advanced Nutrition	32
VOED876	Sport Nutrition	32

**G.1.20.10.3 Curriculums G870P and G871P: Nutrition****G.1.20.10.4 Curriculum outcomes**

The student should be equipped:

- a) with advanced knowledge and skills to identify a relevant research problem within the field of Nutrition;
- b) to plan and execute a suitable quantitative and/or qualitative research topic in a scientific and ethical way, using suitable research methods, techniques and procedures;
- c) to interpret the research findings in a scientifically accountable way,;
- d) to compose a research report on it in the form of a mini-dissertation or dissertation, in chapter or article format; and
- e) to play a leading role in Nutrition Care in South Africa.



**Additional curriculum outcomes for the structured degree that includes a mini-dissertation (G870P)**

“Mini-dissertation” is a written piece, including a written report or one published research article or a couple of published research articles or unpublished manuscript(s) in article format, that is of a more limited scope than a dissertation and that is compiled for exam purposes in agreement with the regulations with regard to documentation, argumentation, language and style and that are evaluated together with answering a couple of prescribed examination papers, to determine whether a student is confident with the research methodology, and that is presented in partial fulfillment of the requirements for obtaining a masters degree at the university in accordance with the prescribed rules.

**Additional curriculum outcomes for the degree that includes a dissertation (G871P)**

“Dissertation” is a written piece compiled for examination purposes, including one published research article or a couple of published research articles or unpublished manuscript(s) in article format, in accordance with the requirements for documentation, argumentation, language and style, in which a student must provide proof that he / she is confident with the research methodology and that is presented in partial fulfillment of the requirements of the prescribed outcomes for a masters degree at the University.

**G.1.20.10.5 Compilation of the curriculums: Nutrition**

A student has a choice between either a dissertation (G871P) or a mini-dissertation and three papers (G870P), depending on the previous learning and the master’s programme of the school.

**Qualification and programme code:** 203 166; **Curriculum code:** G870P

Module code	Credits
VOED873	96
VOED874	32
VOED875	32
VOED876	32
<b>Total credits for the curriculum</b>	<b>192</b>

**Qualification and programme code:** 203 166; **Curriculum code:** G871P

Module code	Credits
VOED871	192
<b>Total credits for the curriculum</b>	<b>192</b>

**G.1.20.11 PROGRAMME: DIETETICS****Qualification code: 203 169 (F + P)**

For this programme it is possible to register directly after the 4-year BSc (Dietetics)-degree, if the admission requirements are complied with.

**G.1.20.11.1 Admission requirements for the programme**

In addition to the general admission requirements (General Rule A.7.1), the following admission requirements hold:

- a) for admission to the MSc in Dietetics, the student should have obtained at least 60% for each of the following modules: VTRP321 (up to 2009) or VNDL311 (from 2010); VTRP321; VOED313; VNAV471 (up to 2009) or VNAV472 or equivalent module;
- b) Introductory Descriptive Statistics or an equivalent is a prerequisite for admission to the MSc in Dietetics; and
- c) selection is subject to the student's academic performance and the available capacity in the subject group. Preference will be given to full-time students.

**G.1.20.11.2 List of modules**

Module code	Descriptive name	Credits
VOED871	Dissertation	192
VOED873	Mini-dissertation	96
VOED874*	Public Health Nutrition	32
VOED875*	Advanced Nutrition	32
VOED876*	Sport Nutrition	32
VOED877*	Therapeutic Nutrition	32
VOED880	Nutrition support of the paediatric patient	16
VOED882	Nutrition support of the critically ill	16

**G.1.20.11.3 Curriculums G851P and G875P****G.1.20.11.3.1 Curriculum outcomes**

After completion of this curriculum the student will:

- a) be able to demonstrate knowledge and insight on the general scientific method of research with attention to the specific research methodology in Dietetics; and
- b) be able to apply knowledge and competence to identify, analyse and evaluate complicated problems in Dietetics, to solve it systematically and creatively in an ethical way, to make theoretically grounded pronouncements by using the acquired data and information, and to clearly communicate results and conclusions to specialist and non-specialist audiences, orally or in writing by using the relevant IT.

### G.1.20.11.3.2 Compilation of the curriculums : Dietetics

A student may choose between a dissertation (G875P) or a mini-dissertation with modules equivalent to 96 credits (G851P).

**Qualification-and programme code:** 203 169; **Curriculum code:** G851P

Module code	Credits
VOED873	96
VOED874*	32
VOED875*	32
VOED876*	32
VOED877*	32
VOED880*	16
VOED882*	16
<b>Total credits for the curriculum</b>	<b>192</b>

**Comment:**\* = Choice modules (choose any three modules)

**Qualification-and programme code:** 203 169; **Curriculum code:** G875P

Module code	Credits
VOED871	192
<b>Total credits for the curriculum</b>	<b>192</b>

### G.1.20.12 PROGRAMME: PHYSIOLOGY

**Qualification code:** 203 171 (F)

The aim of this qualification is the training of post-graduate students, enabling them to function at a highly specialised level as researchers in the health sciences.

#### G.1.20.12.1 Admission requirements for the programme

In addition to the general admission requirements in the A Rules (A.7.1), the following admission requirements apply:

- a) the student must be in possession of a relevant honours degree or equivalent qualification;
- b) at least 60% in Physiology (or equivalent qualification) at honours level;
- c) approval by the school director;
- d) selection is subject to available capacity; and
- e) the student should provide proof of immunisation, at least against Hepatitis B.

**G.1.20.12.2 List of modules**

Module code	Descriptive name	Credits
FLGX871	Dissertation (Physiology)	192

**G.1.20.12.3 Curriculum G855P: Physiology****G.1.20.12.3.1 Curriculum outcomes**

The qualified student will be equipped with advanced knowledge and skills to identify a relevant research need within the field of Health Sciences of cardiovascular physiology in particular; plan and execute a suitable quantitative and/or qualitative research design in a scientific ethical manner and utilize suitable research methods, -techniques and –procedures in the approach; interpret research results in a scientific accountable manner and compile a research report on it.

**G.1.20.12.3.2 Faculty-specific rules for the curriculum**

A satisfactory behaviour and functioning record should be maintained on a continual basis by the students.

**G.1.20.12.3.3 Compilation of the curriculum : Physiology**

**Qualification and programme code:** 203 171; **Curriculum code:** G855P

Module code	Credits
FLGX871	192
<b>Total credits for the curriculum</b>	<b>192</b>

**G.1.20.13 PROGRAMME: CLINICAL PSYCHOLOGY**

**Qualification code: 203 176 (F) (Clinical Psychology)**

- a) The programme is professional in nature. In developing this curriculum, requirements of the Health Professions Council of South Africa (HPCSA), and national and regional needs were taken into consideration by addressing them in the research focus area AUTHeR. In composing the curriculum, consideration was given to career possibilities and manpower needs of our country. This curriculum prepares the student for further post-graduate studies in Psychology.
- b) The Clinical Psychology Programme gives an opportunity for specialised and advanced training and is a prerequisite for registration as an intern and eventually Clinical Psychologist at the Health Professions Council of South Africa (HPCSA).

**G.1.20.13.1 Admission requirements for the programme**

In addition to the general admission requirements (A.7.1), the following Faculty admission requirement holds:

- a) Passing of an academic and personality screening at the completion of the honours degree in Psychology or an applicable equivalent (min 65%) or admission to the professional programme in Clinical Psychology.

**G.1.20.13.2 List of modules**

Module code	Descriptive name	Credits
PSYK872	Research Theory and Dissertation	100
PSYC878	Psychopharmacology, Adult Psychopathology and Neuropsychology	20
PSYC879	Child and Adolescent Pathology and Therapy	20
PSYC880	Theory of psychological Interventions	20
PSYC881	Applied psychological Interventions	20
PSYC882	Professional Aspects, Psycho Diagnostics and Practical Work	20

**G.1.20.13.3 Curriculum G801P: Clinical Psychology**

**G.1.20.13.3.1 Curriculum outcomes**

The student will comply with the requirements of the Health Professions Council of South Africa (HPCSA) to register for an internship in Clinical Psychology and will be equipped with specialised and advanced knowledge to provide curative services, diagnose and prevent pathology, and promote bio-psychosocial health as well as primary, secondary and tertiary welfare in individuals, families, organisations and communities; particularly with those people facing serious life challenges and relative serious forms of psychopathology and psychological distress.

**G.1.20.13.3.2 Faculty-specific rules for the curriculum**

- a) A satisfactory behaviour and functioning record should be maintained on a continual basis by all students in the professional programmes. The department is free to terminate a student's studies if the academic, behavioral and/or functioning record is unsatisfactory and/or poses a threat to their own health or that of society.
- b) Academic excellence is at all times a priority. A participation mark of 65% is required for exam entrance and a pass mark of 55%. Candidates may only be awarded a 2<sup>nd</sup> exam opportunity in 1 module. If the 2<sup>nd</sup> opportunity is failed the entire year must be repeated. If more than one module are failed the students fails the course.
- c) If the experiential progress is not as desired, the internship may be extended.

**G.1.20.13.3.3 Compilation of the curriculum : Clinical Psychology**

**Qualification- and programme code:** 203 176; **Curriculum code:** G801P

Module code	Credits
PSYK872	100
PSYC878	20
PSYC879	20
PSYC880	20
PSYC881	20
PSYC882	20
<b>Total credits for the curriculum</b>	<b>200</b>

**G.1.20.14 PROGRAMME: COUNSELLING PSYCHOLOGY**

**Qualification code: 203 177 (Counselling Psychology)**

- a) The programme is professional in nature. In developing this curriculum, requirements of the Health Professions Council of South Africa (HPCSA), and national and regional needs were taken into consideration by addressing them in the research focus area AUTHeR. In composing the curriculum, consideration was given to career possibilities and manpower needs of our country. This curriculum prepares the student for further post-graduate studies in Psychology.
- b) The Counselling Psychology Programme gives an opportunity for specialised and advanced training and is a prerequisite for registration as an intern and eventually Counselling Psychologist at the Health Professions Council of South Africa (HPCSA).

**G.1.20.14.1 Admission requirements for the programme**

In addition to the general admission requirements (A.7.1), the following Faculty admission requirement holds:

- a) passing of an academic and personality screening at the completion of the honours degree in Psychology or an applicable equivalent (min 65%) or admission to the professional programme in Counselling Psychology

**G.1.20.14.2 List of modules**

Module code	Descriptive name	Credits
PSYV872	Research Theory and Dissertation	100
PSYC878	Psychopharmacology, Adult Psychopathology and Neuro-psychology	20
PSYV879	Child and Adolescent Development, Pathology and Therapy	20
PSYC880	Theory of Psychological Interventions	20
PSYV881	Applied Counselling and Psychological Interventions	20
PSYC882	Professional Aspects, Psycho Diagnostics and Practical Work	20

### **G.1.20.14.3 Curriculum G801P: Counselling Psychology**

#### **G.1.20.14.3.1 Curriculum outcomes**

The student will comply with the requirements of the Health Professions Council of South Africa (HPCSA) to register for an internship in Clinical Psychology and will be equipped with specialised and advanced knowledge to provide curative services, diagnose and prevent pathology, and promote bio-psychosocial health as well as primary, secondary and tertiary welfare in individuals, families, organisations and communities; particularly with those people facing serious life challenges and relative serious forms of psychopathology and psychological distress.

#### **G.1.20.14.3.2 Faculty-specific rules for the curriculum**

- a) A satisfactory behaviour and functioning record should be maintained on a continual basis by all students in the professional programmes. The department is free to terminate a student's studies if the academic, behavioral and/or functioning record is unsatisfactory and/or poses a threat to their own health or that of society.
- b) Academic excellence is at all times a priority. A participation mark of 65% is required for exam entrance and a pass mark of 55%. Candidates may only be awarded a 2<sup>nd</sup> exam opportunity in 1 module. If the 2<sup>nd</sup> opportunity is failed the entire year must be repeated. If more than one module are failed the students fails the course.
- c) If the experiential progress is not as desired, the internship may be extended.

#### **G.1.20.14.3.3 Compilation of the curriculum : Counselling Psychology**

**Qualification- and programme code: 203 177; Curriculum code: G801P**

<b>Module code</b>	<b>Credits</b>
PSYV872	100
PSYC878	20
PSYV879	20
PSYC880	20
PSYV881	20
PSYC882	20
<b>Total credits for the curriculum</b>	<b>200</b>

### **G.1.20.15 PROGRAMME: RESEARCH PSYCHOLOGY**

**Qualification code: 203 165 (F) (Research Psychology)**

- a) The programme is professional in nature. In developing this curriculum, national and regional needs were taken into consideration by addressing them in the research focus area AUTHeR. In composing the curriculum, consideration was given to career possibilities and manpower needs of our country. This curriculum prepares the student for further post-graduate studies in Psychology.

- b) The Research Psychology Programme gives an opportunity for specialised and advanced training and is a prerequisite for registration as Psychologist at the Health Professions Council of South Africa (HPCSA).

#### **G.1.20.15.1 Admission requirements for the program**

In addition to the General admission requirements (A.7.1), the following Faculty admission requirement holds:

- a) passing of an academic and personality screening at the completion of the honours degree for admission to the professional programme in Research Psychology.

#### **G.1.20.15.2 List of modules**

<b>Module code</b>	<b>Descriptive name</b>	<b>Credits</b>
PSYC872	Dissertation	116
PSYC874	Critical Research Skills	16
PSYC875	Quantitative Research Methods	16
PSYC876	Qualitative Research Methods	16
PSYC877	Project management	16

#### **G.1.20.15.3 Curriculum G801P: Research Psychology**

##### **G.1.20.15.3.1 Curriculum outcomes**

After completing this curriculum, the student should:

- demonstrate advanced, systematic and specialist knowledge to undertake research at individual, community and/or interdisciplinary level by applying appropriate research methods and techniques to identify, analyse and formulate complex research problem(s) in the domain of psychology;
- demonstrate advanced strategies to obtain, analyse and evaluate applicable information for its relevance and validity;
- use applicable quantitative and/or qualitative research methods to provide answers for research phenomena;
- interpret results in a scientific manner;
- integrate research findings and reflect on it critically;
- communicate the findings orally by means of applicable IT and by writing it up in research reports; and
- perform and communicate research in an ethical and scientific manner.

After the successful completion of the academic curriculum and an internship, the student complies with the requirements of the *Health Professions Council of South Africa (HPCSA)* and may register as a Research Psychologist, if the student so desires.

##### **G.1.20.15.3.2 Faculty-specific rules for the curriculum**

- A satisfactory behaviour and functioning record should be maintained on a continual basis by all students in the professional programmes.
- If the experiential progress is not as desired, the internship may be extended.



**G.1.20.15.3.3 Compilation of the curriculum : Research Psychology**

**Qualification- and programme code:** 203 165; **Curriculum code:** G801P

Module code	Credits
PSYC872	116
PSYC874	16
PSYC875	16
PSYC876	16
PSYC877	16
<b>Total credits for the curriculum</b>	<b>180</b>

**G.1.21 RULES FOR THE DEGREE MAGISTER PHARMACIAE**

**G.1.21.1 Research group, programme and objective**

- a) Research and training with the aim of obtaining this qualification in the Faculty of Health Sciences are structured in the niche area Medicine Usage in South Africa.
- b) Research and training in the different programmes/curricula indicated below take place under supervision of the Director of the School of Pharmacy and staff of the Subject Groups Clinical Pharmacy and Pharmacy Practice.
- c) Apart from highly exceptional cases that should be approved by the Senate, the research required for this qualification should be done within the niche area Medicine Usage in South Africa.
- d) The objective of the MPharm degree is to train post-graduate students to be capable of practising at a highly specialised level as specialised pharmacists with the aim of rendering a comprehensive pharmaceutical service to the people of South Africa.

**G.1.21.2 Duration (minimum and maximum)**

- a) The curriculum in Pharmacy Practice (G801P) may be taken full-time or part-time.
- b) The **minimum duration** of the study is **one year** and the **maximum duration three years**, calculated from the date of first registration for the particular programme.
- c) General Rule A.7.6 governs the procedure for the extension of the study period.

**G.1.21.3 Admission requirements of the programme**

- a) Admission to this qualification takes place according to General Rule A.7.1.
- b) A student who registers for the first time for the master's degree should do it before 31 March of the specific year.
- c) Re-registration for further study years should take place on or before 31 March of every year.

- d) Approval of the study programme and relevant rules take place according to the stipulations in General Rule A.7.2.

**G.1.21.4 PROGRAMME: PHARMACY PRACTICE**

**The following programme phases out in 2012 and will therefore not be presented:**

**Qualification code: 803 104 (F + P) (Pharmacy Practice)**

Curriculum: G840P: Pharmacy Practice

Dissertation: FPMG871

**The following programme phased in from 2010:**

**Qualification code: 803 105 (V + D) (Pharmacy Practice)**

Curriculum: G801P: Pharmacy Practice

Verhandeling: FPHA872; Verpligte modules: FPHA811; FPHA812

The programme consists of a research project in a research field within the suitable research focus area and culminates in the writing of a dissertation. A participation mark is composed from the attendance/completion of specific courses which, according to the opinion of the specific supervisor, may be important for the student in the completion of his/her study. The participation mark is acquired through:

- a) completing the course on pharmaceutical research methodology;
- b) completing a statistics course (if necessary, in cases where there is no previous knowledge);
- c) providing proof of proficiency in MS Word I and II, Excell I and II, Powerpoint, and Access;
- d) preparing and presenting three colloquiums over the two study years:
  - 1) Colloquium 1: Literature study (presentation after 5 months of the study);
  - 2) Colloquium 2: Planning of empirical study (presentation after approximately 9 months of the study); and
  - 3) Colloquium 3: Complete research project (presentation in the 2nd year of study).

**G.1.21.4.1 Admission requirements for the programme**

In addition to the General Rules of the University regarding admission (General rule A.7.1) and registration (General rule A.7.4), as well as the specific rules for a master's degree (General Rule A.7), the following rules hold for the degree MPharm:

- a) a BPharm degree or an equivalent qualification approved by the Senate is required. In the case of a three year BScPharm degree, such additional module as determined by the specific director of the specific school is required;

- b) if the standard of proficiency that the student who wants to study further has reached previously in the specific subject(s) does not comply with the requirements for the specific programme/curriculum, the school director may refuse admission to a programme/curriculum; and
- c) suitable experience in the field of the specific programme/curriculum is a requirement for the specific programme/curriculum.

**G.1.21.4.2 List of modules**

Module code	Descriptive name	Credits
FPHA872	Dissertation: Pharmacy Practice	148
FPHA811	Applied Pharmacoeconomics	16
FPHA812	Applied Pharmacoepidemiology	16

**G.1.21.4.3 Curriculum G801P: Pharmacy Practice**

**G.1.21.4.3.1 Curriculum outcomes**

After completion of the programme the student should be able to:

- a) demonstrate advanced / comprehensive specialist knowledge and skills in order to identify relevant research questions within the field of medicine consumption;
- b) plan and execute a suitable quantitative and/or qualitative research design in a scientific and ethical manner by making use of appropriate research methods, techniques and procedures;
- c) interpret and integrate research results in a scientifically accountable manner, and in a scientific and ethical way communicate - orally and in writing - the necessary information in a research report; and
- d) act as a leader, i.e. ethically and responsibly, in the pharmacists' profession as far as appropriate medicine consumption is concerned.

**G.1.21.4.3.2 Faculty-specific rules for the curriculum**

A satisfactory behaviour and functioning record should be maintained on a continual basis by all students in the professional programmes.

**G.1.21.4.3.3 Compilation of the curriculum : Pharmacy Practice**

**Qualification- and programme code:** 803 104; **Curriculum code:** G801P

Module code	Credits
FPHA872	148
FPHA811	16
FPHA812	16
<b>Total credits for the curriculum</b>	<b>180</b>

## **G.1.22 RULES FOR THE DEGREE MAGISTER CONSUMER SCIENCES**

### **G.1.22.1 Duration (minimum and maximum)**

- a) This study may be done full-time or part-time.
- b) The **minimum duration** of study is **one year full-time and two years part-time**. The **maximum duration** is **three years**.
- c) General Rule A.7.6 lays down the procedure for the extension of the study period.

### **G.1.22.2 Admission requirements of the programme**

- a) Admission to this qualification takes place according to General rule A.7.1.
- b) A student registering for the master's degree for the first time should do so before 31 March of the specific year.
- c) Re-registration for further study years should take place on or before 31 March of every year.
- d) Approval of the study programme and relevant rules take place according to the stipulations in General Rule A.7.2.

### **G.1.22.3 PROGRAMME: CONSUMER SCIENCES**

**Qualification code: 836 100 (F + P) (Consumer Sciences)**

#### **G.1.22.3.1 Admission requirements for the programme**

- a) Admission to this programme takes place with consideration of the student's previous academic performance. An average academic mark of 60% in the honours programme or equivalent 4-year B Consumer Sciences programme is required.
- b) STTN111 or an equivalent statistics course/module is required as a prerequisite, or an additional requirement in the case of projects requiring quantitative methods and result calculations.
- c) Students will only be admitted to the programme if sufficient capacity is available.

#### **G.1.22.3.2 List of modules**

<b>Module code</b>	<b>Descriptive name</b>	<b>Prerequisites</b>	<b>Credits</b>
VERB872	Dissertation		144
VERB873	Mini-dissertation		96
VERB876	Consumer Behaviour and Research Methodology		40
VNAV876	Consumer Behaviour and Research Methodology		40
VGHB874	Advanced Consumer Resource Management	VGHB671 VGHB672 VGHB673	48
VKLE874	Advanced Textiles	VKLE671	48
VKLE878	Specialised Fashion Industry	VKLE672	48
VVDL874	Advanced Food	VVDL672 VVDL673	48

#### **G.1.22.3.3 Curriculum G880P and G881P: Consumer Sciences**

In conjunction with the school director and supervisor, a student may choose between either a curriculum consisting of a dissertation and one paper, or a curriculum consisting of a mini-dissertation and two papers. The choice module will be determined by the field of specialisation. If a student doesn't have the necessary background on NQF-level 8, it must be updated to the satisfaction of the School Director before the student may proceed to the research project. The module, VVBG671, is a compulsory requirement for admission to the programme.

#### **G.1.22.3.3.1 Curriculum outcomes**

After completion of the curriculum the student should be able to:

- a) demonstrate by means of extensive and systematic knowledge bases of consumer behaviour, in-depth and specific knowledge;
- b) demonstrate a coherent and critical understanding of consumer behaviour theory and appropriate research methods, and also to recognise techniques and technology and to apply it to a specific research problem in a specific area;
- c) select complex and true-life problems and to approach them from an ethical basis and solve such problems, to demonstrate with evidence-proven and theory-driven arguments and to evaluate critically the specialised knowledge and skills within other academic environments, and also to raise and vindicate them within a specific epistemology;
- d) master the application of applied research methods, techniques and technology effectively within a specific specialisation field and demonstrate the ability to execute a research project and accordingly record the process in the form of a research report;
- e) show the ability to identify a complex research problem, and to analyse it by systematically and creatively applying theory, literature and research methods within the specialist area;
- f) illustrate advanced information searches and processing skills, to illustrate the identification and critical analysis, synthesis and independent evaluation of qualitative and/or quantitative data, and to be able to do research on an area of specialisation under the leadership of a supervisor; and
- g) present and communicate the results of research on consumer behaviour over the specialist area concerned effectively to experts in the area as well as non-experts, by making use of appropriate professional and academic resources, and also to submit a research report meeting the standard set by the academic institution involved.

#### **G.1.22.3.3.2 Other rules**

In conjunction with the School Director and Supervisor, a student may choose between either a curriculum consisting of a dissertation and one paper, or a curriculum consisting of a mini-dissertation and two papers.

The choice module is determined by the field of specialisation. If the student doesn't have the necessary background on NQF-level 8 it must be improved to

the satisfaction of the School Director before the student may proceed with the research project.

**G.1.22.3.3.3 Compilation of the curriculums: Consumer Sciences**

**Qualification- and programme code:** 836 100; **Curriculum code:** G880P

Module code	Credits
VERB871	184
<b>Total credits for the curriculum</b>	<b>184</b>

**Qualification- and programme code:** 836 100; **Curriculum code:** G881P

Module code	Credits
VERB873	96
VERB876	40
<i>Choose one of the following:</i>	
VGHB874	48
VKLE874	48
VKLE878	48
VVDL874	48
<b>Total credits for the curriculum</b>	<b>184</b>

Note: VERB876 consists of Consumer Behaviour (24 credits) and Research Methodology (16 credits).

**G.1.23 RULES FOR THE DEGREE MAGISTER IN SOCIAL WORK**

**G.1.23.1 Research Focus Area**

- a) Research and training with the aim of obtaining this qualification in the Faculty of Health Sciences are structured within the research entity AUTHeR.
- b) Research and training in Social Work take place under the guidance of the research director, assisted by the director of the School for Psychosocial Behavioural Science and personnel of the subject group Social Work.
- c) Apart from highly exceptional cases that have to be approved by the Senate, the research required for this qualification should be done within the research entity AUTHeR.

**G.1.23.2 Duration (minimum and maximum)**

- a) Studies can be done full-time or part-time.
- b) The minimum duration of the study is one year and the maximum duration is three years, calculated from the date of first registration for the specific programme.
- c) General rule A.7.6 governs the procedure for the extension of the study period.

**G.1.23.3 Admission requirements of the programme**

- a) Admission to this qualification takes place according to General rule A.7.1.
- b) A student that registers for the first time for the master's degree should do it before 31 March of the specific year.
- c) Re-registration for the further study years should take place annually, before or on 31 March.
- d) Approval of the study programme and relevant rules take place according to the stipulations in General Rule A.7.2.
- e) Students enrolling for this programme (excluding Forensic Social Work and Child Protection) must provide proof of registration as social worker as required by the Act on Social Work 1978 (Act 110 of 1978).

**G.1.23.4 Social Work Curriculums**

- a) The student has a choice between three curricula that consist of a dissertation or one of two structured courses.
- b) The dissertation option is meant for students who want to do research on a topic of their own choice within the Focus Area of the Subject Group Social Work and the Faculty of Health Sciences.
- c) The structured curricula are meant for students who want to extend their knowledge base and skills in Social Work on a broad base to practise at an advanced level, or who want to specialise in Social Work in Forensic Practice or Child Protection.

**G.1.23.5 Collective outcomes of the Social Work curriculums**

The student will be proficient in:

- a) the utilisation of the ecosystem approach in research and the solution of a variety of social problems and needs;
- b) the responsible and effective organisation and management of the self, his/her activities and his/her services;
- c) effective communication where visual, mathematical and language skills are required within the sphere of Social Work research and services;
- d) the effective and critical utilisation of science and technology; and
- e) making a contribution to the full development of himself/herself and the social and economic development of the community as a whole.

**G.1.23.6 PROGRAMME: SOCIAL WORK**

**Qualification code: 113 104 (F + P) (Social Work)**

Obtaining of this qualification gives students admission to doctoral study.

**G.1.23.6.1 Admission requirements for the programme**

In addition to the general admission requirements (A.7.1), the following hold:

- a) students admitted to this programme should have an honours degree in Social Work or a four-year Social Work degree.

- b) admission will be considered by taking into account the student's previous academic performance.
- c) students registering for this programme/curriculum should supply proof of registration as social worker according to the *Act on Social Work, 1978 (Act 110 of 1978)*.

**G.1.23.6.2 List of Modules**

Module code	Descriptive name	Credits
MWKN 871	Dissertation: Social Work	180

**G.1.23.6.3 Curriculum G801P: Social Work**

**G.1.23.6.3.1 Curriculum outcomes**

After completion of the dissertation the student should be proficient to:

- a) identify a research problem in social work which is in accordance with the research niche areas for the School for Psychosocial Behavioural Science;
- b) formulate and apply a research design and procedures;
- c) reproduce the research results in the form of a dissertation of high quality; and
- d) collaborate effectively with fellow-researchers and research teams, respondents, organisations and communities in the research process.

**G.1.23.6.3.2 Compilation of the curriculum: Social Work**

**Qualification- and programme code:** 113 104; **Curriculum code:** G801P

Module code	Credits
MWKN 871	180
<b>Total credits for the curriculum</b>	<b>180</b>

**G.1.23.7 PROGRAMME: FORENSIC PRACTICE**

**Qualification code: 113 109 (F + P) (Forensic Practice)**

The obtaining of this qualification gives students admission to doctoral study.

**G.1.23.7.1 Admission requirements for the programme**

In addition to the general admission requirements (A.7.1), the following hold:

- a) students admitted to this programme should have an honours degree or a four-year degree (NQF-level 7);
- b) admission will be considered by taking into account the student's previous learning and academic performance as well as experience in the field; and
- c) admission will take place by selection.



**G.1.23.7.2 List of modules**

<b>Module code</b>	<b>Descriptive name</b>	<b>Credits</b>
MWKF873	Research Paper (Semesters 1 en 2)	60
MWKF876	General Child Assessment (Semester 1)	24
MWKF877	Sexual Abuse and Physical Battering (Semester 1)	24
MWKF878	Trauma Assessment and Investigation Process (Semester 2)	24
MWKF879	Report Writing and the Social Worker as Expert in Court (Semester 2)	24
MWKF880	Research Theory (Semesters 1 en 2)	32

**G.1.23.7.3 Curriculum G801P: Forensic Practice****G.1.23.7.3.1 Curriculum outcomes**

After completion of the programme students must be able to:

- a) manage and carry through a full forensic investigation process on the basis of comprehensive theoretical knowledge, which includes the evaluation of children in traumatic real-life situations, as well as the planning of interventions in the process of guidance;
- b) apply his/her knowledge of the applicable legislation correctly and to act ethically and correctly as an expert in court with regard to sexual abuse; and
- c) undertake a practice-related research project on the basis of appropriate techniques and methods and report on the matter in the form of an article.

**G.1.23.7.3.2 Compilation of the curriculum : Forensic Practice**

**Qualification- and programme code:** 113 109; **Curriculum code:** G801P

<b>Module code</b>	<b>Credits</b>
MWKF873	60
MWKF876	24
MWKF877	24
MWKF878	24
MWKF879	24
MWKF880	32
<b>Total credits for the curriculum</b>	<b>188</b>

**G.1.23.8 PROGRAMME: CHILD PROTECTION****Qualification code: 113 108 (F + P) (Child Protection)**

The completion of this qualification gives admission to doctoral study.

**G.1.23.8.1 Admission requirements for the programme**

In addition to the general admission requirements (A.7.1), the following hold:

- a) students admitted to this programme should be in possession of an honours degree or a four-year degree (NQF-level 7);
- b) admission will be considered by taking into account the student's previous learning and academic performance as well as experience in the field;
- c) admission will take place by selection; and
- d) students registering for this programme/curriculum should supply proof of registration as social worker according to the *Act on Social Work, 1978 (Act 110 of 1978)*.

**G.1.23.8.2 List of modules**

Module code	Descriptive name	Credits
MWKK873	Mini-dissertation	60
MWKK874	Child protection as field of service	24
MWKK875	Children as a vulnerable group	24
MWKK876	Social work intervention in the field of child protection	24
MWKK877	Substitute care in South Africa	24
MWKF880	Research Theory	32

**G.1.23.8.3 Curriculum G825P: Child Protection****G.1.23.8.3.1 Curriculum outcomes**

After completion of the curriculum, students should be able to:

- a) apply extensive and systematic specialist knowledge on the South African child protection system and field, as well as on different forms of alternative care of children in an ethically accountable manner at macro, meso and micro level in order to protect and empower children;
- b) demonstrate the ability to apply advanced information-gathering and information-processing strategies, as well as critical analysis, synthesis and evaluation in order to debate solutions to complex and real-life problems in the field of child protection, and to support this by means of appropriate theories and principles;
- c) identify complex, unknown and real-life problems in the field of child protection, and investigate with the aid of appropriate research methods, techniques and procedures, and present evidence-based, theory-driven solutions in the form of a supervised mini research dissertation; and
- d) plan, implement and evaluate appropriate interventions at micro, meso and macro level.

**G.1.23.8.3.2 Compilation of the curriculum : Child Protection**

Qualification- and programme code: 113 108; Curriculum code: G825P

Module code	Credits
MWKK873	60
MWKK874	24
MWKK875	24
MWKK876	24
MWKK877	24
MWKF880	32
<b>Total credits for the curriculum</b>	<b>188</b>

**G.1.24 RULES FOR THE DEGREE MAGISTER CURATIONIS****G.1.24.1 Research Focus Area, Programmes and Expected Outcomes**

- a) Research and training with the aim of obtaining this qualification in the Faculty of Health Sciences are structured in the School of Nursing Sciences.
- b) Research and training in the various programmes indicated below take place under the guidance of the Director of the School of Nursing Sciences and the staff of the different subject groups in Nursing Science.
- c) The research that is required for this qualification could be done within a relevant research entity.
- d) The following curricula may be chosen: Health Service Management; Health Science Education; Professional Nursing; Community Nursing; Psychiatric Community Nursing; Midwifery and Neonatal Nursing; and Nursing.
- e) After obtaining the qualification, the nurse specialist should be able to
  - 1) facilitate the promotion, maintenance and restoring of health;
  - 2) demonstrate critical-analytical, problem-solving mental skills as well as apply ethical principles in the nursing practice;
  - 3) integrate professional and personal values and norms in ethical-legal practising of Nursing;
  - 4) gather, analyse, organise and critically evaluate health information;
  - 5) show awareness regarding the importance of effective learning strategies, responsible citizenship, culture sensitivity, teaching occupational affairs and entrepreneurial ability in Nursing Science;
  - 6) organise and manage himself/herself as well as activities in health effectively;
  - 7) act as health service facilitator for the provision of nursing care of high quality;
  - 8) apply intra- and interpersonal skills, stress and conflict management to facilitate him/her as well as others in their striving for wholeness;

- 9) work as an independent practitioner, leader and consultant together with other disciplines within the health care system and the community health services;
- 10) facilitate and manage change effectively;
- 11) develop and implement standards for quality assurance;
- 12) utilise and bring about reference sources or mobilise them by means of the development of networks;
- 13) facilitate personal and professional development;
- 14) contribute meaningfully to the formulation of policies in health care;
- 15) maintain professional excellence and capability by continuous learning; and
- 16) use science and technology effectively and critically, showing responsibility regarding the environment and the health of others.

**G.1.24.2 Duration (minimum and maximum)**

- a) This qualification is presented in a workshop format and by means of supervision of the research project at the Potchefstroom Campus.
- b) The **minimum duration** of the study is **one year** and the **maximum duration three years**, calculated from the date of the first registration for the specific programme.
- c) General rule A.7.6 governs the procedure for the extension of the study period.

**G.1.24.3 Admission requirements of the programme**

- a) Admission to this qualification takes place according to General rule A.7.1.
- b) A student registering for the first time for the master's degree should do so before 31 March of the specific year.
- c) Re-registration for the further study years should take place annually before or on 31 March.
- d) Approval of the study programme and relevant rules take place according to the stipulations in General rule A.7.2, with approval by the Director of the School of Nursing Science and the programme manager.

**G.1.24.4 PROGRAMME: RESEARCH MASTER'S DEGREE (DISSERTATION)**

**Qualification Code: 833 100 (F + P)**

The qualified student should be able to practise as a leader and independent practitioner together with other multi-disciplinary team members within the health care system. As nursing leader, he/she should be able to practise professional, comprehensive, high-quality, scientifically founded nursing. This nursing care should be able to supply the needs of the time, the province, the country and the person. Nursing care at this level is characterized/driven by service delivery, involvement in policy development. The specialist nurse demonstrates leadership, continues professional development and lifelong learning. He/she rolemodels scholarship in nursing and mentors others.

This programme includes the curricula for Community Nursing, Health Service Management, Health Science Education, Professional Nursing and Nursing.

#### **G.1.24.4.1 Admission requirements for the programme**

In addition to the general admission requirements (A.7.1), the following hold:

- a) a student should supply proof that he/she has already obtained a first bachelor's degree or equivalent qualification<sup>1</sup>;
- b) if a student wants to practise as a nurse in South Africa, he/she should supply proof of registration as nurse at the South African Nursing Council at the beginning of every study year;
- c) to specialise in any of the Nursing Science programmes/curricula, the student should supply proof of a special registration at the South African Nursing Council, or of an equivalent registration if the student is not a South African citizen<sup>2</sup>;
- d) to be admitted to any of the programmes/curricula, a student should have obtained at least 60% in the final modules of the B degree or equivalent qualification. The student is subjected to a selection process during which the director and programme manager of the particular study field/programme are present; and
- e) the successful completion of Research Methodology (VPKN874) and the presentation of an acceptable research proposal are required for progress to the second study year.

#### **Further stipulations:**

##### **a) Community Nursing**

A student who wishes to specialise in Community Nursing should have a four-year Bachelor's degree in Nursing with Community Nursing as major, or a three-year Bachelor's degree with Community Nursing as major and a diploma in Community Nursing.

##### **b) Health Services Management**

A student who wishes to specialise in Health Service Management should have a four-year Bachelor's degree in Nursing Science and a diploma in Nursing Management, or a three-year Bachelor's degree in Nursing Science with Nursing Management as major.

##### **c) Health Sciences Education**

A student who wishes to specialise in Health Science Education should have a four-year Bachelor's degree in Nursing and a diploma in Health Science Education, or a three-year Bachelor's degree in Nursing Science with Nursing Education as major.

##### **d) Professional Nursing**

A student who wishes to specialise in Professional Nursing should have a four-year or three-year Bachelor's degree in Nursing Science.

**e) Nursing**

A student registering for this curriculum should have a three- or four-year Bachelor's degree in Nursing Science with a minimum average of 60% in the final year.

**G.1.24.4.2 List of modules**

Module code	Descriptive name	Credits
VPGV872	Dissertation: Community Nursing	152
VPBV872	Dissertation: Health Services Management	152
VPOV872	Dissertation: Health Sciences Education	152
VPKV872	Dissertation: Professional Nursing	152
VPVV872	Dissertation: Nursing	152
VPKN874	Research methodology	32

**G.1.24.4.3 Curriculum G830P: Community Nursing**

**G.1.24.4.3.1 Curriculum outcomes**

After completing the curriculum, the student should be able to facilitate the quality of life of the person, family and/or the community by promoting, maintaining and restoring health within a community-centred, cultural sensitive approach.

**G.1.24.4.3.2 Compilation of the curriculum : Community Nursing**

**Qualification- and programme code:** 833 100; **Curriculum code:** G830P

Module code	Credits
VPGV872	152
VPKN874	32
<b>Total credits for the curriculum</b>	<b>184</b>

**G.1.24.4.4 Curriculum G831P: Health Service Management**

**G.1.24.4.4.1 Curriculum outcomes**

After completing the curriculum, the student should be able to manage health services in a community-centred, culture sensitive way with the objective to facilitate the person's, family's and/or community's health.

**G.1.24.4.4.2 Compilation of the curriculum: Health Service Management**

**Qualification- and programme code:** 833 100; **Curriculum code:** G831P

Module code	Credits
VPBV872	152
VPKN874	32
<b>Total credits for the curriculum</b>	<b>184</b>

**G.1.24.4.5 Curriculum: G832P: Health Science Education**

**G.1.24.4.5.1 Curriculum outcomes**

After completing the curriculum, the student should be able to facilitate the quality of life of the person, family and/or community in a community-centred, culture sensitive way through health science education.

**G.1.24.4.5.2 Compilation of the curriculum: Health Science Education**

**Qualification- and programme code:** 833 100; **Curriculum code:** G832P

Module code	Credits
VPKN874	32
VPOV872	152
<b>Total credits for the curriculum</b>	<b>184</b>

**G.1.24.4.6 Curriculum G833P: Professional Nursing**

**G.1.24.4.6.1 Curriculum outcomes**

After completing the curriculum, the student should be able to facilitate the quality of life of the patient by promoting, maintaining and restoring health in a community-centred, culture sensitive approach.

**G.1.24.4.6.2 Compilation of the curriculum: Professional Nursing**

**Qualification- and programme code:** 833 100; **Curriculum code:** G833P

Module code	Credits
VPKN874	32
VPKV872	152
<b>Total credits for the curriculum</b>	<b>184</b>

**G.1.24.4.7 Curriculum G836P: Nursing**

**G.1.24.4.7.1 Curriculum outcomes**

After completion of the curriculum, the student should be able to facilitate quality of life of the patient by promoting, maintaining and restoring health within a community-centred, culture sensitive approach.

**G.1.24.4.7.2 Compilation of the curriculum: Nursing**

**Qualification- and programme code:** 833 100; **Curriculum code:** G836P

Module code	Credits
VPKN874	32
VPVV872	152
<b>Total credits for the curriculum</b>	<b>184</b>

**G.1.24.5 PROGRAMME: COURSEWORK MASTER'S DEGREE (MINI-DISSERTATION)**

- a) After completing the degree as a nursing specialist, a student can apply for registration as an advanced nurse at the South African Nursing Council. He/she should be able to practise effectively as a leader and independent practitioner together with other multi-disciplinary team members within the health care system. As a nursing leader, he/she should be able to practise professional, comprehensive, high-quality, scientifically founded Nursing Science. Nursing at this level should be able to supply in the needs of the time, the province, the country and the person. It will be directed at service, care and culture sensitivity and will be based on the primary health approach. The nursing specialist should be in continual pursuit of personal and professional growth and health and also facilitate the patient's pursuit of health.
- b) This programme includes Psychiatric Community Nursing, as well as Midwifery and Neonatal Nursing.

**G.1.24.5.1 Admission requirements for the programme**

In addition to the general admission requirements (A.7.1), the following hold:

- a) Students should supply proof that they have already obtained a bachelors degree in Nursing Science or equivalent qualification<sup>1</sup>;
- b) If a student wants to practise as a nurse in South Africa, he/she should supply proof of registration as a nurse at the South African Nursing Council at the beginning of every study year;
- c) To specialise in any of the Nursing programmes/curricula, the student should supply proof of a special registration at the South African Nursing Council or of an equivalent registration if the student is not a South African citizen<sup>2</sup>;
- d) To be admitted to any of the programmes/curricula, a student should have obtained at least 60% in the final modules of bachelor's degree or equivalent qualification. The student is subjected to a selection process during which the director and programme manager; and
- e) The successful completion of Research Methodology (VPKN874) and the presentation of an acceptable research proposal are required for progress to the second study year.

**Further stipulations**

**a) *Psychiatric Community Nursing***

A student who wishes to specialise in Psychiatric Community Nursing should have a four-year Bachelor's degree in Nursing with Psychiatric Community



Nursing as a major, or a three-year Bachelor's degree in Nursing Science and a diploma in Psychiatric Community Nursing. The candidate should have obtained at least 60% in the final module of psychiatric nursing science in the B-degree or equivalent:

Apart from the mentioned academic selection, the candidate will also undergo a further selection process, consisting of:

- Completion of a resilience questionnaire;
- An essay/naive sketch;
- A group activity;
- An interview.

**b) *Midwifery and Neonatal Nursing***

A student who wishes to specialise in Midwifery and Neonatal Nursing should have a four-year Bachelor's degree in Nursing Science with Midwifery and Neonatal Nursing as a major, or a three-year Bachelor's degree in Nursing Science and a diploma in Midwifery.

**G.1.24.5.2 List of modules**

<b>Module code</b>	<b>Descriptive name</b>	<b>Credits</b>
VPEK874	Clinical Psychiatric Community Nursing	32
VPEK875	Psychiatric Community Nursing Skills and Methods	32
VPEK876	Psychiatric Community Nursing Practice, Leadership and Consultation	32
VPEP884	Psychiatric Community Nursing Practice	48
VPES873	Mini-dissertation: Psychiatric Community Nursing	112
VPKN874	Research Methodology	32
VPVK874	The Specialist Midwife as Practitioner, Leader and Consultant	16
VPVK875	The Specialist Midwife as Clinician in Ante-, Intra- and Postpartum Context	32
VPVK876	The Specialist Midwife as Clinician in the Neonatal Context	16
VPVP884	Midwifery and Neonatal Nursing: Science: Practica	48
VPVS873	Mini-dissertation: Midwifery and Neonatal Nursing Science	112

### **G.1.24.5.3 Curriculum G834P: Psychiatric Community Nursing**

#### **G.1.24.5.3.1 Curriculum outcomes**

The student should be able to apply to register as a nursing specialist in Psychiatric Community Nursing by the South African Nursing Council. He/she should be able to:

- a) facilitate the promotion, maintenance and restoring of mental health;
- b) demonstrate critical-analytical, problem-solving mental skills, as well as apply ethical principles in the nursing practice;
- c) integrate professional and personal values and norms in ethical-legal practising of Psychiatric Community Nursing;
- d) gather, analyse and evaluate mental health information critically;
- e) show awareness regarding the importance of effective learning strategies, responsible citizenship, culture sensitivity, teaching, occupational matters and entrepreneurial capabilities in Psychiatric Community Nursing;
- f) organise and manage effectively himself/herself and activities in Mental Health;
- g) facilitate psychiatric health care as a specialist researcher, practitioner, leader therapist, consultant and companion;
- h) apply intra- and interpersonal skills in the handling of stress and conflict to facilitate his/her own pursuit of wholeness, as well as that of others;
- i) work as an independent practitioner, leader and consultant together with other disciplines within the health care system and the community health services in order to promote, maintain and restore mental health, and to promote an effective lifestyle;
- j) apply advanced scientific principles regarding Psychiatric Community – Nursing;
- k) act as a health service facilitator to render quality Psychiatric Community Nursing;
- l) utilise and bring about reference sources or mobilise them by means of the development of networks;
- m) create and/or use teaching opportunities to facilitate and optimise mental health;
- n) contribute significantly to the formulation of mental health policies in Nursing;
- o) maintain professional excellence and capability by continual learning; and
- p) use science and technology effectively and critically, showing responsibility regarding the environment and the health of others.

**G.1.24.5.3.2 Compilation of the curriculum: Psychiatric Community Nursing****Qualification- and programme code:** 833 100; **Curriculum code:** G834P

<b>Module code</b>	<b>Credits</b>
VPEK874	32
VPEK875	32
VPEK876	32
VPEP884	48
VPES873	112
VPKN874	32
<b>Total credits for the curriculum</b>	<b>288</b>

**G.1.24.5.4 Curriculum G835P: Midwifery and Neonatal Nursing****G.1.24.5.4.1 Curriculum outcomes**

The qualified student may register as an advanced nurse in Midwifery and Neonatal Nursing Science at the South African Nursing Council. After completing the curriculum, he/she should be able to:

- a) facilitate the promotion, maintenance and restoring of the health of the mother and child;
- b) demonstrate critical-analytical, problem-solving mental skills, as well as apply ethical principles during the practise of Midwifery and Neonatal Nursing;
- c) integrate professional and personal values and norms in the ethical-legal practising of Midwifery and Neonatal Nursing;
- d) analyse, organise and evaluate health information regarding the mother and child critically;
- e) show awareness regarding the importance of effective learning strategies, responsible citizenship, culture sensitivity, teaching, occupational matters and entrepreneurial capabilities in Midwifery and Neonatological Nursing;
- f) organise and manage herself/himself and activities effectively in mother and child care;
- g) facilitate Midwifery and Neonatal Health care as a specialist practitioner, leader, researcher and consultant;
- h) apply intra- and interpersonal skills in the handling of stress and conflict to facilitate his/her own pursuit of wholeness, as well as that of others;
- i) collaborate as an independent practitioner, leader and consultant with other disciplines within the health care system and the community health service for promoting, maintaining and restoring the health of the mother and child;
- j) act as a health care facilitator for rendering quality Midwifery and Neonatal Nursing;
- k) create and/or use teaching opportunities to facilitate and optimise the health of the mother and child;

- l) develop and implement standards for quality assurance;
- m) bring about, utilise and mobilise reference sources for the development of networks;
- n) facilitate personal and professional development;
- o) contribute significantly to the formulation of policies regarding the mother and child, as well as the development of Midwifery and Neonatal Nursing;
- p) maintain professional excellence and capability by continual learning; and
- q) use science and technology effectively and critically, showing responsibility regarding the environment and the health of others.

**G.1.24.5.4.2 Compilation of the curriculum: Midwifery and Neonatal Nursing**

**Qualification- and programme code: 833 100; Curriculum code: G835P**

<b>Module code</b>	<b>Credits</b>
VPKN874	32
VPVK874	16
VPVK875	32
VPVK876	16
VPVP884	48
VPVS873	112
<b>Total credits for the curriculum</b>	<b>256</b>

**<sup>1</sup> An equivalent qualification may include the following:**

- a) a four-year diploma in Nursing Science that leads to registration as a nurse (General, Community, Psychiatric) and Midwife and an advanced university diploma, e.g. in Health Science Education or Health Service Management.

**<sup>2</sup> If the student is not a South African citizen or if there is uncertainty about his/her qualification, the following procedure should be followed to apply for admission:**

- a) it may be expected from the student to subject his/her qualifications for evaluation to the South African Qualification Authority (SAQA).
- b) if SAQA determines that the qualifications of the student are equal or equivalent to those stated above, the school reserves the right to advise the student to obtain a bachelor's degree or a master's degree (whichever is applicable) first to get provisional selection (dependent on successful completion of Research Methodology [VPKN874] and the successful completion of the research proposal).

## **G.1.25 RULES FOR THE DEGREE PHILOSOPHIAE DOCTOR**

### **G.1.25.1 Duration (minimum and maximum)**

- a) The **minimum duration** of the study is **two years** and the **maximum duration four years**, calculated from the date of first registration for the specific programme.

### **G.1.25.2 PROGRAMME: HUMAN MOVEMENT SCIENCE**

**Qualification code: 805 109 (F + P) (Human Movement Science)**

The curriculum composed in this programme is of an academic nature. The curriculum provides an opportunity for the development of specialised and advanced knowledge, applied skills, attitudes and values as researchers in Human Movement Science.

#### **G.1.25.2.1 Admission requirements for the programme**

The student should pass an academic selection (60%) at the completion of the master's degree.

#### **G.1.25.2.2 List of modules**

<b>Module code</b>	<b>Descriptive name</b>	<b>Credits</b>
MBWK971	Thesis: Human Movement Science	360

#### **G.1.25.2.3 Curriculum G925P: Human Movement Science**

##### **G.1.25.2.3.1 Curriculum outcomes**

After the curriculum has been completed, the student should:

- have a comprehensive and systematic knowledge of Human Movement Science and be able to identify practical problems through the most advanced research methods, techniques and technologies in the field of Human Movement Science, research them by collecting, analysing and evaluating data and appropriate information and become involved in advanced and scientific debates at the forefront of an area of specialisation;
- display the ability to undertake substantial, independent research with an advanced scientific character that will lead to the (re)interpretation and development of knowledge deemed to be publishable by peers, and present and communicate these research results and own opinion effectively to specialist and non-specialist audiences; and
- deliver a thesis that complies with international standards for scientific papers.

##### **G.1.25.2.3.2 Compilation of the curriculum: Human Movement Sciences**

**Qualification- and programme code: 805 109; Curriculum code: G925P**

<b>Module code</b>	<b>Credits</b>
MBWK971	360
<b>Total credits for the curriculum</b>	<b>360</b>

**G.1.25.3 PROGRAMME: RECREATION SCIENCES****Qualification code: 805 111 (F + P) (Recreation Sciences)**

The curriculum composed in this programme is of an academic nature. The curriculum provides an opportunity for the development of specialised and advanced knowledge, applied skills, attitudes and values as researchers in Recreation.

**G.1.25.3.1 Admission requirements for the programme**

The student should pass an academic selection (60%) at the completion of the master's degree.

**G.1.25.3.2 List of modules**

Module code	Descriptive name	Credits
RKKX971	Thesis: Recreation Sciences	360

**G.1.25.3.3 Curriculum G935P: Recreation Sciences****G.1.25.3.3.1 Curriculum outcomes**

After the curriculum has been completed, the student:

- a) have a comprehensive and systematic knowledge of Recreation Science and be able to identify practical problems through the most advanced research methods, techniques and technologies in the field Recreation Science, research them by collecting, analysing and evaluating data and appropriate information and become involved in advanced and scientific debates at the forefront of an area of specialisation;
- b) display the ability to undertake substantial, independent research with an advanced scientific character that will lead to the (re)interpretation and development of knowledge deemed to be publishable by peers, and present and communicate these research results and own opinion effectively to specialist and non-specialist audiences; and
- c) deliver a thesis that complies with international standards for scientific papers.

**G.1.25.3.3.2 Compilation of the curriculum: Recreation Sciences**

**Qualification- and programme code: 805 111; Curriculum code: G935P**

Module code	Credits
RKKX971	360
<b>Total credits for the curriculum</b>	<b>360</b>

**G.1.25.4 PROGRAMME: PHARMACEUTICAL CHEMISTRY****Qualification code: 805 116 (F + P) (Pharmaceutical Chemistry)**

- a) The PhD degree is a research-based degree and consists of a study (research project) and a thesis in one of the following curricula: Pharmacy, Pharmaceutical Chemistry.
- b) The curricula are presented on a full-time and part-time basis in Afrikaans and English.
- c) This curriculum has a dual aim, namely:
  - i) for the student who has reached the level of a master's degree in the Pharmaceutical Sciences and Practice, to show with a doctoral thesis that he/she has made a significant contribution to the development of (1) new scientific knowledge, and/or (2) new skills in a specific research field, thus making an addition of value to the community in the fields of knowledge and skills in his/her specific field, and
  - ii) to provide South Africa with advanced pharmaceutical scientists and practising manpower with advanced theoretical and practical knowledge in different pharmaceutical-scientific and practice disciplines. With this qualification the student can contribute to a broadening of the leadership base for innovative and knowledge-based economic and scholastic activities in the country.

**G.1.25.4.1 Admission requirements for the programme**

Admission to the program/curriculum takes place according to selection by the director of the Unit for Drug Research and Development and the School Director. The School Director or the director of the research focus area may refuse admission to a prospective student to a programme/curriculum if the standard of proficiency that the student has acquired previously in the specific subject(s) in which the student wants to study further does not meet the requirements of the specific programme/curriculum.

**G.1.25.4.2 List of modules**

Module code	Descriptive name	Credits
FCHG971	Thesis: Pharmaceutical Chemistry	360

**G.1.25.4.3 Curriculum G910P: Pharmaceutical Chemistry****G.1.25.4.3.1 Curriculum outcomes**

- a) Over and above the outcomes and criteria as described by the BPharm, Hons BSc, MSc and MPharm degrees, the student will be able to (1) practise at a highly specialised level as pharmacist, (2) distinguish himself/herself as a leader in the field, and (3) apply Research Methodology at this level and in the specific field.
- b) Furthermore, the student will be able to (1) execute advanced functions of a pharmacist, (2) act as a leader in the profession and functions of the profession, (3) apply Research Methodology, (4) solve problems, (5) act as an independent researcher, (6) lead research programmes, (7) act as a supervisor/co-supervisor for students up to the PhD level, (8) find

research funds, and (9) make known research results by seminars and lectures.

**G.1.25.4.3.2 Specific requirements**

In the case where a student gets permission to present a thesis in the form of research articles, the stipulations of General Rules A.8.2 hold.

**G.1.25.4.3.3 Compilation of the curriculum : Pharmaceutical Chemistry**

**Qualification- and programme code:** 805 116; **Curriculum code:** G910P

Module code	Credits
FCHG971	360
<b>Total credits for the curriculum</b>	<b>360</b>

**G.1.25.5 PROGRAMME: PHARMACEUTICS**

**Qualification code: 805 117 (F + P) (Pharmaceutics)**

- a) The PhD degree is a research-based degree and consists of a study (research project) and a thesis in Pharmaceutics.
- b) The curricula are presented on a full-time and part-time basis in Afrikaans and English.
- c) This curriculum has a dual aim, namely:
  - i) for the student who has reached the level of a master's degree in the Pharmaceutical Sciences and Practice, to show with a doctoral thesis that he/she has made a significant contribution to the development of (1) new scientific knowledge, and/or (2) new skills in a specific research field, thus making an addition of value to the community in the fields of knowledge and skills in his/her specific field, and
  - ii) to provide South Africa with advanced pharmaceutical scientists and practising manpower with advanced theoretical and practical knowledge in different pharmaceutical-scientific and practice disciplines. With this qualification the student can contribute to a broadening of the leadership base for innovative and knowledge-based economic and scholastic activities in the country.

**G.1.25.5.1 Admission requirements for the programme**

Admission to the program/curriculum takes place according to selection by the director of the Unit for Drug Research and Development and the School Director. The School director or the director of the research unit may refuse admission to a prospective student to a programme/curriculum if the standard of proficiency that the student has acquired previously in the specific subject(s) in which the student wants to study further does not meet the requirements of the specific programme/curriculum.



**G.1.25.5.2 List of modules**

Module code	Descriptive name	Credits
FMSG971	Thesis: Pharmaceutics	360

**G.1.25.5.3 Curriculum G911P: Pharmaceutics****G.1.25.5.3.1 Curriculum outcomes**

- a) Over and above the outcomes and criteria as described by the BPharm, Hons BSc, MSc and MPharm degrees, the student will be able to (1) practise at a highly specialised level as pharmacist, (2) distinguish himself/herself as a leader in the field, and (3) apply Research Methodology at this level and in the specific field.
- a) Furthermore, the student will be able to (1) execute advanced functions of a pharmacist, (2) act as a leader in the profession and functions of the profession, (3) apply Research Methodology, (4) solve problems, (5) act as an independent researcher, (6) lead research programmes, (7) act as a supervisor/co-supervisor for students up to the PhD level, (8) find research funds, and (9) make known research results by seminars and lectures.

**G.1.25.5.3.2 Specific requirements**

In the case where a student gets permission to present a thesis in the form of research articles, the stipulations of General Rule A.8.2 hold.

**G.1.25.5.3.3 Compilation of the curriculum : Pharmaceutics**

**Qualification- and programme code:** 805 117; **Curriculum code:** G911P

Module code	Credits
FMSG971	360
<b>Total credits for the curriculum</b>	<b>360</b>

**G.1.25.6 PROGRAMME: PHARMACOLOGY**

**Qualification code:** 805 118 (F + P) (Pharmacology)

- a) The PhD degree is a research-based degree and consists of a study (research project) and a thesis in Pharmacology.
- b) The curricula are presented on a full-time and part-time basis in Afrikaans and English.
- c) This curriculum has a dual aim, namely:
  - i) for the student who has reached the level of a master's degree in the Pharmaceutical Sciences and Practice, to show with a doctoral thesis that he/she has made a significant contribution to the development of (1) new scientific knowledge, and/or (2) new skills in a specific research field, thus making an addition of value to the community in the fields of knowledge and skills in his/her specific field, and

- ii) to provide South Africa with advanced pharmaceutical scientists and practising manpower with advanced theoretical and practical knowledge in different pharmaceutical-scientific and practice disciplines. With this qualification the student can contribute to a broadening of the leadership base for innovative and knowledge-based economic and scholastic activities in the country.

**G.1.25.6.1 Admission requirements for the programme**

Admission to the program/curriculum takes place according to selection by the director of the Unit for Drug Research and Development and the School Director. The School Director or the director of the research focus area may refuse admission to a prospective student to a programme/curriculum if the standard of proficiency that the student has acquired previously in the specific subject(s) in which the student wants to study further does not meet the requirements of the specific programme/curriculum.

**G.1.25.6.2 List of modules**

Module code	Descriptive name	Credits
FKLG 971	Thesis: Pharmacology	360

**G.1.25.6.3 Curriculum G912P: Pharmacology**

**G.1.25.6.3.1 Curriculum outcomes**

- a) Over and above the outcomes and criteria as described by the BPharm, Hons BSc, MSc and MPharm degrees, the student will be able to (1) practise at a highly specialised level as pharmacist, (2) distinguish himself/herself as a leader in the field, and (3) apply Research Methodology at this level and in the specific field.
- b) Furthermore, the student will be able to (1) execute advanced functions of a pharmacist, (2) act as a leader in the profession and functions of the profession, (3) apply Research Methodology, (4) solve problems, (5) act as an independent researcher, (6) lead research programmes, (7) act as a supervisor/co-supervisor for students up to the PhD level, (8) find research funds, and (9) make known research results by seminars and lectures.

**G.1.25.6.3.2 Specific requirements**

In the case where a student gets permission to present a thesis in the form of research articles, the stipulations of General Rules A.8.2 hold.

**G.1.25.6.3.3 Compilation of the curriculum : Pharmacology**

**Qualification- and programme code:** 805 118; **Curriculum code:** G912P

Module code	Credits
FKLG 971	360
<b>Total credits for the curriculum</b>	<b>360</b>

### G.1.25.7 PROGRAMME: PHARMACY PRACTICE

**Qualification code: 805 119 (F + P)(Pharmacy Practice)**

- a) The PhD degree is a research-based degree and consists of a study (research project) and a thesis in Pharmacy Practice.
- b) The curricula are presented on a full-time and part-time basis in Afrikaans and English.
- c) This curriculum has a dual aim, namely:
  - i) for the student who has reached the level of a master's degree in the Pharmaceutical Sciences and Practice, to show with a doctoral thesis that he/she has made a significant contribution to the development of (1) new scientific knowledge, and/or (2) new skills in a specific research field, thus making an addition of value to the community in the fields of knowledge and skills in his/her specific field, and
  - ii) to provide South Africa with advanced pharmaceutical scientists and practising manpower with advanced theoretical and practical knowledge in different pharmaceutical-scientific and practice disciplines. With this qualification the student can contribute to a broadening of the leadership base for innovative and knowledge-based economic and scholastic activities in the country.

#### G.1.25.7.1 Admission requirements for the programme

Admission to the program/curriculum takes place according to selection by the director of the research focus area of the School and the School Director. The School Director or the director of the research focus area may refuse admission to a prospective student to a programme/curriculum if the standard of proficiency that the student has acquired previously in the specific subject(s) in which the student wants to study further does not meet the requirements of the specific programme/curriculum.

#### G.1.25.7.2 List of modules

Module code	Descriptive name	Credits
FPKG971	Thesis: Pharmacy Practice	360

#### G.1.25.7.3 Curriculum G913P: Pharmacy Practice

##### G.1.25.7.3.1 Curriculum outcomes

- a) Over and above the outcomes and criteria as described by the BPharm, Hons BSc, MSc and MPharm degrees, the student will be able to (1) practise at a highly specialised level as pharmacist, (2) distinguish himself/herself as a leader in the field, and (3) apply Research Methodology at this level and in the specific field.
- b) Furthermore, the student will be able to (1) execute advanced functions of a pharmacist, (2) act as a leader in the profession and functions of the profession, (3) apply Research Methodology, (4) solve problems, (5) act as an independent researcher, (6) lead research programmes, (7) act as a supervisor/co-supervisor for students up to the PhD level, (8) find

research funds, and (9) make known research results by seminars and lectures.

**G.1.25.7.4 Specific requirements**

In the case where a student gets permission to present a thesis in the form of research articles, the stipulations of General Rules A.8.2 hold

**G.1.25.7.4.1 Compilation of the curriculum : Pharmacy Practice**

**Qualification- and programme code:** 805 119; **Curriculum code:** G913P

Module code	Credits
FPKG971	360
<b>Total credits for the curriculum</b>	<b>360</b>

**G.1.25.8 PROGRAMME: OCCUPATIONAL HYGIENE**

**Qualification code: 805 104 (F + P)**

- a) The aim of the qualification is to enable a student that already has a master's degree in the field of Occupational Hygiene, or a qualification that is recognised as equivalent, to prove by a doctoral thesis that he/she did a definite scientific contribution to development of new knowledge and/or applicable skills.
- b) A further objective of the qualification is to provide South Africa with scientific researchers who have a broad theoretical expertise and practical skills in Occupational Hygiene.

**G.1.25.8.1 Admission requirements for the programme**

Admission to this programme takes place after obtaining the master's degree (General Rule A.8.1.2). In addition to the general admission requirements, the following additional admission requirements apply:

- a) at least 60% in Occupational Hygiene (or equivalent qualification) at master's level;
- b) approval by the school director; and
- c) selection is subject to available capacity in the Occupational Hygiene group.

**G.1.25.8.2 List of modules**

Module code	Descriptive name	Credits
FLGB971	Thesis: Occupational Hygiene	384

**G.1.25.8.3 Curriculum G901P: Occupational Hygiene**

**G.1.25.8.3.1 Curriculum outcomes**

Over and above the outcomes and criteria as described by the first generally formative BSc degree, the Honours BSc degree and the MSc degree, in this curriculum the student will:

- a) have appropriate competency in applicable quantitative and/or qualitative research methodology and scientific writing ability;
- b) be able to identify a relevant research problem in a Health Science discipline by integrating the above skills on the basis of a thorough investigation of existing knowledge as reflected in appropriate scientific literature;
- c) define a research problem area in a scientific discipline;
- d) conduct the necessary research in order to solve the problem;
- e) scientifically evaluate the results within the context of the problem; and
- f) scientifically communicate the results.

**G.1.25.8.3.2 Compilation of the curriculum: Occupational Hygiene**

**Qualification- and programme code:** 805 104; **Curriculum code:** G901P

Module code	Credits
FLGB971	384
<b>Total credits for the curriculum</b>	<b>384</b>

**G.1.25.9 PROGRAMME: DIETETICS**

**Qualification code: 805 105 (F + P)**

The objective of the PhD degree is to give the student in the field of Dietetics the opportunity to show that he/she has delivered a significant contribution with a doctoral thesis to the development of (1) new scientific knowledge, and/or (2) new skills in a particular research field. The second objective of the qualification is to provide South Africa with scientific researchers who have broad theoretical expertise and practical skills in Nutrition Science. By doing so, a contribution will be made to the broadening of the leadership base for innovative and knowledge-based nutrition care in the country.

**G.1.25.9.1 Admission requirements for the programme**

In addition to the general rules of the University regarding admission (General Rule A.8.1) and registration (General Rule A.8.4), as well as the specific rules for Doctor's degrees (General Rule A.8), the following rules for the PhD degree hold:

- a) students will only be admitted to the PhD degree in this programme if they have a suitable MSc degree or a qualification which the Senate considers as equivalent;
- b) students should pass an academic selection (60%) at the completion of the master's degree; and
- c) selection is subject to the academic achievement of the student as well as the available capacity in the subject group.

**G.1.25.9.2 List of modules**

Module code	Descriptive name	Credits
DIET971	Thesis: Dietetics	360

**G.1.25.9.3 Curriculum G905P: Dietetics****G.1.25.9.3.1 Curriculum outcomes**

Over and above the outcomes as described by the BSc and MSc degrees, the student should be able to (1) practise as a dietician at a highly specialised level, (2) act as a leader in the profession and functions of the profession, (3) solve problems, (4) lead a research programme, (5) act as a leader or co-leader for students up to the PhD level, (6) be able to find research funds, and (7) make known research results by lectures and publications in scientific journals.

**G.1.25.9.3.2 Compilation of the curriculum : Dietetics**

**Qualification- and programme code:** 805 105; **Curriculum code:** G905P

Module code	Credits
DIET971	360
<b>Total credits for the curriculum</b>	<b>360</b>

**G.1.25.10 PROGRAMME: PHYSIOLOGY**

**Qualification code: 805 107 (F + P) (Physiology)**

- a) The aim of the qualification is to enable a student who has already obtained a master's degree in the field of Cardiovascular Physiology, or a qualification which is recognised as equivalent, to provide proof by means of a doctoral thesis that he/she made a definite scientific contribution to the development of new knowledge and/or applicable skills.
- b) A further aim of the qualification is to provide South Africa with scientific researchers that have a broad expertise and practical skills in the Health Science, with specialisation and mastership in Cardiovascular Physiology.

**G.1.25.10.1 Admission requirements for the programme**

Admission to this programme/curriculum occurs after completion of the master's degree (General rule A.8.1.2). In addition to the general admission requirements, the following additional admission requirements apply:

- a) at least 60% in Physiology (or equivalent qualification) at M level;
- b) approval by the School Director;
- c) selection is subject to available capacity in the cardiovascular research group; and
- d) the student should provide proof of immunisation, at least against Hepatitis B.

**G.1.25.10.2 List of modules**

Module code	Descriptive name	Credits
FLGX971	Thesis: Physiology	384

**G.1.25.10.3 Curriculum G915P: Physiology****G.1.25.10.3.1 Curriculum outcomes**

Over and above the outcomes and criteria as described by the first generally formative BSc degree, the Honours BSc degree and the MSc degree, in this curriculum the student will:

- a) have appropriate competency in applicable quantitative and/or qualitative research methodology and scientific writing ability;
- b) be able to identify a relevant research problem in a Health Science discipline by integrating the above skills on the basis of a thorough investigation of existing knowledge as reflected in appropriate scientific literature;
- c) conduct the necessary research in order to solve the problem;
- d) scientifically evaluate the results within the context of the problem; and
- e) scientifically communicate the results in writing as well as orally.

**G.1.25.10.3.2 Compilation of the curriculum : Physiology**

**Qualification- and programme code:** 805 107; **Curriculum code:** G915P

Module code	Credits
FLGX971	384
<b>Total credits for the curriculum</b>	<b>384</b>

**G.1.25.11 PROGRAMME: CONSUMER SCIENCES**

**Qualification code: 805 112 (F + P) (Consumer Sciences)**

- a) The PhD degree comprises the planning and execution of a research project and the writing of a thesis.
- b) One curriculum, namely Consumer Sciences General, leads to this qualification. The student can focus on Family Resource Management, Clothing or Food.

**G.1.25.11.1 Admission requirements for the programme**

Admission to this degree takes place after obtaining a master's degree with consideration of the student's previous academic performance. Students will only be admitted to the programme if sufficient capacity is available.

**G.1.25.11.2 List of modules**

Module code	Descriptive name	Credits
VERB971	Thesis: Consumer Sciences	360

**G.1.25.11.3 Curriculum G940P: Consumer Sciences**

This PhD programme leads to the development of specialised knowledge and the capability to apply acquired skills to the solving of problems in the specific subject field.

**G.1.25.11.3.1 Curriculum outcomes**

The student will be able to:

- a) master relevant Research Methodology;
- b) identify a relevant research problem, execute research for solving the problem, analyse and communicate the results together with the problem statement and draw conclusions addressing the problem;
- c) give scientific knowledge and research results in a coherent, argumentative structure in written reports and publications; and
- d) deliver oral lectures, using relevant verbal skills and suitable aids.

**G.1.25.11.3.2 Faculty-specific rules for the curriculum**

The curriculum and the topic are chosen in consultation with the School Director and/or the Research Director and Supervisor, with the reservation that the topic will fit into the approved focus area programmes of both the Consumer Sciences and the Faculty of Health Sciences.

**G.1.25.11.3.3 Compilation of the curriculum : Consumer Sciences**

**Qualification- and programme code:** 805 112; **Curriculum code:** G940P

Module code	Credits
VERB971	360
<b>Total credits for the curriculum</b>	<b>360</b>

**G.1.25.12 PROGRAMME: NUTRITION**

**Qualification code: 805 114 (F + P) (Nutrition)**

The aim of the PhD degree is to provide the student in the field of Nutrition the opportunity to show by a doctoral thesis that he/she has made a significant contribution to the development of (1) new scientific knowledge, and/or (2) new skills in a specific research field. The second aim of the qualification is to provide South Africa with scientific researchers that have a broad theoretical expertise and practical skills in the nutrition science. A contribution will thus be made to the broadening of the leadership base for innovative and knowledge-based nutrition care in the country.



**G.1.25.12.1 Admission requirements for the programme**

In addition to the general rules of the University regarding admission (A.8.1) and registration (A.8.4), as well as the specific rules for doctor's degrees (A.8), the following rules hold for the PhD degree:

- a) Students will only be admitted to the PhD degree in this programme if they have a suitable MSc degree or a qualification the Senate deems equivalent;
- b) students should pass an academic selection (60%) at completion of the master's degree; and
- c) selection is subject to the student's academic performance and the available capacity in the subject group.

**G.1.25.12.2 List of modules**

Module code	Descriptive name	Credits
VOED971	Thesis: Nutrition	360

**G.1.25.12.3 Curriculum G960P: Nutrition**

**G.1.25.12.3.1 Curriculum outcomes**

Over and above the outcomes as described by the BSc, Hons BSc and MSc degrees, the student should be able (1) to practise as a nutritionist at a highly specialised level, (2) to act as a leader in the profession and functions of the profession, (3) to be able to solve problems, (4) to lead a research programme, (5) to act as a leader or co-leader for students up to the PhD level, (6) to be able to find research funds and (7) to make known research results by lectures and publications in scientific journals.

**G.1.25.12.3.2 Compilation of the curriculum : Nutrition**

**Qualification- and programme code:** 805 114; **Curriculum code:** G960P

Module code	Credits
VOED971	360
<b>Total credits for the curriculum</b>	<b>360</b>

**G.1.25.13 PROGRAMME: SOCIAL WORK**

**Qualification code: 805 108 (F + P) (Social Work)**

The curriculum composed in this programme is of an academic nature. It gives the opportunity for the development of specialised and advanced knowledge, and should enable the qualified student to distinguish himself/herself as a leader and researcher in the field of Social Work.

**G.1.25.13.1 Admission requirements for the programme**

- a) Admission to this programme/curriculum takes place after obtaining the master's degree in Social Work and with consideration of the student's previous academic performance.

- b) Students registering for this programme/curriculum should supply proof of registration as a social worker according to the *Act on Social Work, 1978 (Act 110 of 1978)*.
- c) The student chooses a topic in consultation with the subject head and his/her promoter with the reservation that the topic will fall within the approved focus area of both the Subject Group Social Work and the Faculty of Health Sciences.
- d) Announcement of research results by means of presentations and publications in subjectrelated magazines.

**G.1.25.13.2 List of modules**

Module code	Descriptive name	Credits
MWKN971	Thesis: Social Work	360

**G.1.25.13.3 Curriculum G921P: Social Work**

**G.1.25.13.3.1 Curriculum outcomes**

The student will be skilled in:

- a) the utilisation of the ecosystem approach in the extension and promotion of Social Work knowledge;
- b) the identification of a research problem of highly complicated nature in the field of Social Work, of which the solution can contribute to the extension of the knowledge base of Social Work;
- c) the formulation and application of a suitable research topic and procedure;
- d) the analysis and application, interpretation and critical evaluation of research-related data;
- e) the presentation and report writing of research data in the form of a thesis of high quality; and
- f) the distribution of the newly obtained knowledge to social workers and other relevant role players.

**G.1.25.13.3.2 Compilation of the curriculum : Social Work**

**Qualification- and programme code:** 805 108; **Curriculum code:** G921P

Module code	Credits
MWKN971	360
<b>Total credits for the curriculum</b>	<b>360</b>

**G.1.25.14 PROGRAMME: PSYCHOLOGY****Qualification code: 805 110 (F + P)**

The curriculum composed in this programme is of an academic nature. The curriculum gives an opportunity for the development of specialised and advanced knowledge, applied skills, attitudes and values as researchers in Psychology, and prepares the student for postdoctoral study in Psychology. In the development of this curriculum, national and regional needs were addressed in the specific research focus area.

**G.1.25.14.1 Admission requirements for the programme**

The student should pass an academic selection at the completion of the master's degree. Admission of prospective PhD students is subject to the available openings within research projects.

**G.1.25.14.2 List of modules**

Module code	Descriptive name	Credits
PSYC971	Thesis: Psychology	360

**G.1.25.14.3 Curriculum G931P: Psychology****G.1.25.14.3.1 Curriculum outcomes**

The student should be equipped with advanced knowledge and skills to identify a socially relevant research problem within the field of Psychology, to develop and execute a suitable quantitative and/or qualitative research topic in a scientific and ethical way, using suitable research methods, techniques and procedures, to interpret the research findings in a scientifically accountable way that makes a significant contribution to the encyclopedia of psychological knowledge and to write a research report on the project.

**G.1.25.14.3.2 Compilation of the curriculum : Psychology****Qualification- and programme code: 805 110; Curriculum code: G931P**

Module code	Credits
PSYC971	360
<b>Total credits for the curriculum</b>	<b>360</b>

**G.1.25.15 PROGRAMME: NURSING SCIENCE****Qualification code: 805 113 (F + P)**

The student should be able to execute the profession of Nursing as an expert at a highly specialised level and to distinguish him/her as a leader in research in the field of Nursing Science. He/she should be able to initiate research and understand and predict future tendencies. Furthermore, he/she should be able to lead others in the use of advanced Research Methodology in nursing studies and to add knowledge to the knowledge base of Nursing Science.

**G.1.25.15.1 Admission requirements for the programme**

- a) Before registration, students should apply for selection on the prescribed application form at the specific school director.
- b) To be admitted to the PhD, the student should successfully complete a doctoral study programme. The particulars of these are available at the director of the school.
- c) After presenting the research proposal to the Research Committee, the student should defend it during a seminar.
- d) The student should also present his/her findings in a doctoral seminar.

**G.1.25.15.2 List of modules**

Module code	Descriptive name	Credits
VPGP971	Thesis: Community Nursing	360
VPBP971	Thesis: Health Service Management	360
VPOP971	Thesis: Health Science Education	360
VPPP971	Thesis: Professional Nursing	360
VPEP071	Thesis: Psychiatric Community Nursing	360
VPVP971	Thesis: Midwifery and Neonatal Nursing	360
VPVV971	Thesis: Nursing	360

**G.1.25.15.3 Curriculums: G950P / G951P / G952P / G953P / G954P / G955P / G956P****G.1.25.15.3.1 Curriculum outcomes**

After completion of the curriculum, the student should be able to:

- a) demonstrate critical-analytical problem-solving skills at a high level;
- b) practise the profession of Nursing at a specialised level;
- c) distinguish himself/herself as a leader in the field of Nursing;
- d) apply advanced Research Methodology, initiate research, predict outcomes and apply results;
- e) contribute significantly and scientifically to the knowledge base of Nursing Science;
- f) act independently as a researcher;
- g) maintain specialised professional expertise by continual learning; and

h) initiate and maintain networks at national and international level.

#### **G.1.25.15.3.2 Compilation of the curricula**

ONE of the following curriculums may be chosen: Community Nursing, Health Services Management, Health Science Education, Professional Nursing, Psychiatric Community Nursing, Midwifery and Neonatal Nursing, and Nursing.

##### **Curriculum: Community Nursing**

**Qualification- and programme code:** 805 113; **Curriculum code:** G950P

<b>Module code</b>	<b>Credits</b>
VPGP971	360
<b>Total credits for the curriculum</b>	<b>360</b>

##### **Curriculum: Health Services Management**

**Qualification- and programme code:** 805 113; **Curriculum code:** G951P

<b>Module code</b>	<b>Credits</b>
VPBP971	360
<b>Total credits for the curriculum</b>	<b>360</b>

##### **Curriculum: Health Science Education**

**Qualification- and programme code:** 805 113; **Curriculum code:** G952P

<b>Module code</b>	<b>Credits</b>
VPOP971	360
<b>Total credits for the curriculum</b>	<b>360</b>

##### **Curriculum: Professional Nursing**

**Qualification- and programme code:** 805 113; **Curriculum code:** G953P

<b>Module code</b>	<b>Credits</b>
VPPP971	360
<b>Total credits for the curriculum</b>	<b>360</b>

##### **Curriculum: Psychiatric Community Nursing**

**Qualification- and programme code:** 805 113; **Curriculum code:** G954P

<b>Module code</b>	<b>Credits</b>
VPEP971	360
<b>Total credits for the curriculum</b>	<b>360</b>

**Curriculum: Midwifery and Neonatal Nursing**

**Qualification- and programme code:** 805 113; **Curriculum code:** G955P

<b>Module code</b>	<b>Credits</b>
VPVP971	360
<b>Total credits for the curriculum</b>	<b>360</b>

**Curriculum: Nursing**

**Qualification- and programme code:** 805 113; **Curriculum code:** G956P

<b>Module code</b>	<b>Credits</b>
VPVV971	360
<b>Total credits for the curriculum</b>	<b>360</b>

**G.1.25.16 Examination**

Where applicable, the stipulations of General rule A.8.5 also hold for this qualification.

**G.1.25.16.1 Requirements for a thesis**

A thesis should comply with the requirements as stipulated in General rule A.8.5.7.

**G.1.25.16.2 Submission procedure**

The procedure for the submission of a thesis is described in General Rule A.8.5.4.

**G.1.25.16.3 Termination of the study**

A student's study may be terminated according to the stipulations in General Rule A.8.7.

**G.1.26 RULES FOR THE POST-GRADUATE DIPLOMA IN MIDWIFERY AND NEONATAL NURSING SCIENCE**

- a) This is a post-graduate programme and is accessible to SANC registered nurses and midwives.
- b) This diploma leads to an additional registration of a qualification in post-graduate Midwifery and Neonatal Nursing Science and registration at the SANC as an advanced Midwife.
- c) This diploma is presented as a part-time programme on the Potchefstroom campus.

**G.1.26.1 Duration of study**

The minimum duration of this diploma is one year and the maximum duration is two years.

**G.1.26.2 Admission requirements**

- a) Matriculation Certificate.
- b) Bachelor's degree in Nursing Science and Midwifery or equivalent.
- c) Current registration at the South African Nursing Council as a nurse and midwife.

**G.1.26.3 Programme and qualification code**

**Qualification and programme code:** 844 100 (V + D) **Curriculum code:** G501P

**G.1.26.3.1 List of modules**

Module code	Descriptive name	Type of credit	Credits	National hours
NSDT111	Health Science Dynamics	Fundamental	16	160
NSRT121	Health Science Research	Fundamental	16	160
VPVK574	The advanced midwife as practitioner, leader and consultant	Core	16	160
VPVK575	The advanced midwife as clinician in ante-, intra- and postpartum context	Core	32	320
VPVK576	The advanced midwife as clinician in neonatal context	Core	16	160
VPVP584	Advanced midwifery and neonatal nursing science: Practica	Core	32	640

Fundamental	Core	Elective	Total
32	96	0	128

#### **G.1.26.3.2 Programme outcomes**

As a registered advanced midwife and neonatal nurse the student should be able to act independently as a clinical nurse specialist, researcher, consultant, and change agent in the midwifery practise. He/she will be able to function in the multi- professional team as a leader, facilitator and manager. As an advanced Midwife and Neonatal nurse he/she will be able to render cultural sensitive, holistic, integrated, evidence-based and advanced midwifery care. This qualification will enable him/her to obtain personal and professional growth in their strive to obtain lifelong learning and advance on your career path.

#### **G.1.26.3.3 Articulation possibilities**

Students in other programmes on level 8 could request recognition of applicable modules. Students with this qualification can proceed to the Research Masters-degree.

#### **G.1.27 RULES FOR THE ADVANCED UNIVERSITY DIPLOMA IN HEALTH SCIENCE (TELEMATIC)**

This is a post-basic qualification and is accessible to health professionals.

If a professional nurse, a candidate with this diploma may apply for registration of additional qualifications in Nursing Education and Nursing Management or Community Nursing Science, or Clinical Nursing Science, Health Assessment, Treatment and Care at the South African Nursing Council.

This qualification can only be obtained by means of the Telematic Programme.

#### **G.1.27.1 Modules and credits**

- a) On each level (first, second, third year of study) the subjects are divided into modules (General rule A.1.38). Each module can be identified by a code (General rule A.1.39) and a name that explains the nature of the module. NSRT121 refers to the subject Health Science Research; the first figure (1) indicates the level (first year of study) the second figure (2) indicates the semester in which this module is offered. The third figure (1) distinguishes between modules within the same subject on the same level and in the same semester.
- b) Modules carry credits. A credit represents the expected hours of study (one credit equals 10 study hours) a student will spend to achieve the specified outcomes (General rule A.1.15).

#### **G.1.27.2 Ratio between credits and teaching periods**

As a general rule, the following shall apply: For each 16 credit module 4 contact sessions of 100 minutes each are required.

#### **G.1.27.3 Recognition of prior learning (General rule A.5.1.2.6)**

- a) A student should apply in writing for recognition of modules completed successfully at this or other tertiary institutions.
- b) Applications should include proof of prior learning: academic records and module outcomes.



- c) The modules of a major subject in a qualification already awarded cannot be credited for a second qualification.
- d) A student not being a professional nurse, but a professional in other health related professions, can apply for recognition of prior learning.

**G.1.27.4 Registration**

- a) A student should apply for admission to a specific programme and curriculum.
- b) A student registers annually for a specific programme and curriculum according to the rules of the specific programme.
- c) Registration can be changed on provision that the prescribed procedure is honoured (General rule A.5.3.2).

**G.1.27.5 Duration of the study**

The minimum duration for this diploma is one year for the one year diploma and two years for the two years diploma. The maximum duration is respectively two years and three years.

**G.1.27.6 List of modules**

Module code	Descriptive name	Credits	Outcomes based requirements
	<b><i>Business Management</i></b>		
BSKT111	Introduction to Psychology in Work Context	16	NONE
BSKT221	Personnel Psychology	16	NONE
	<b><i>Community Nursing Science</i></b>		
NSCT211	Grounding of Community Nursing Science	16	NONE
NSCT221	Principles of Primary Health Care	16	NONE
NSCT271	Community Nursing Science: Practica	24	NONE
NSKT211	Pharmacology	16	NONE
	<b><i>Health Science Dynamics</i></b>		
NSDT111	Health Science Dynamics	16	NONE
	<b><i>Health Science Education</i></b>		
NSET111	Health Science Education: Introduction	16	NONE
NSET211	Health Science Education: Curriculum Studies	16	NONE
NSET221	Health Science Education: Didactics	16	NONE
NSET271	Health Science Education: Practica	16	NONE
	<b><i>Financial Health Management</i></b>		
NSFT121	Financial Health Management	16	NONE
	<b><i>Sociology</i></b>		
NSGT111	Sociology: Introduction A	16	NONE
NSGT121	Sociology: Introduction B	16	NONE
	<b><i>Clinical Nursing Science</i></b>		
NSHT211	Clinical Nursing Science, Health Assessment, Treatment and Care: Child	16	NONE
NSHT221	Clinical Nursing Science, Health Assessment, Treatment and Care: Adult	16	NONE
NSHT271	Clinical Nursing Science, Health Assessment, Treatment and Care: Practica (Child and Adult)	48	NONE
	<b><i>Health Service Management</i></b>		
NSMT211	Unit/Clinic Management	16	NONE
NSMT221	Human Resources Management	16	NONE
NSMT271	Health Service Management: Practica	16	NONE

Module code	Descriptive name	Credits	Outcomes based requirements
	<b><i>Health Science Research</i></b>		
NSRT121	Health Science Research	16	NONE
	<b><i>Public Management and Governance</i></b>		
OBAD112	Introduction to Public Management	16	NONE

Yearmodules must be registered in the first semester.

**G.1.27.7 PROGRAMME: ADVANCED UNIVERSITY DIPLOMA IN HEALTH SCIENCE (ONE YEAR)**

- a) This programme offers health professionals the opportunity to enhance their knowledge and skills in health service delivery and to function as an independent practitioner within the multidisciplinary team to render quality health care according to the needs of the country.
- b) It offers professional nurses the opportunity to register with the South African Nursing Council with one additional qualification.

**G.1.27.7.1 Programme and qualification code**

See different programmes

**G.1.27.7.2 Admission requirements**

- a) The student must possess a Matriculation Exemption Certificate. A student who does not possess the latter may apply through the University to the Matriculation Board for a Matriculation Exemption Certificate.
- b) In order to be admitted for this direction, the student should, (if a professional nurse) be:
  - 1) in possession of an applicable diploma in General Nursing Science and one additional qualification;
  - 2) registered as professional nurse with the South African Nursing Council;
  - 3) submit the current year's South African Nursing Council receipt.
- c) In order to be admitted for this direction, the student should be a health professional,
- d) in possession of an applicable diploma/degree in health science.
- e) If a student who successfully completed the Advanced University Diploma in Health Science with two specialities at the North-West University, should wish to proceed with the B.Cur. (Ed. et Adm.), a maximum of TEN theory modules can be credited on a written request and payment of the applicable fees.

**G.1.27.7.3 COMMUNITY NURSING (One Year)**

**Qualification and programme code: 837 100 (Telematic); Curriculum G511T**

A student must be qualified in General Nursing Science and Midwifery.

**G.1.27.7.3.1 Curriculum outcomes**

On completion of this curriculum the successful candidate should be able to function as an independent practitioner within the multi-professional team and the ethical legal framework by:

- a) utilising critical analytical problem solving skills to provide comprehensive community nursing based on a scientific approach;
- b) rendering preventive, promotive, curative and rehabilitative health service;
- c) managing a community health centre with regard to human and material resources; and
- d) demonstrate leadership skills in facilitating changes in the health service.

**G.1.27.7.3.2 Articulation and exit point**

- a) Students may apply for recognition of credits for modules completed at other universities.
- b) If a student who completed the AUDHS (one-year) wishes to register for the B.Cur. (Ed. et Adm.) degree a maximum of eight (8) theory modules will be credited on written request from the student and payment of the prescribed fees.

**G.1.27.7.3.3 Additional rules**

- a) This curriculum is **only** accessible to professional nurses.
- b) Students registered for NSCT, must also complete the accompanying practica. Any costs involved must be paid by the student.
- c) All practica arrangements must be made by the student.
- d) A maximum of one year extension is allowed for completion of practica.

**G.1.27.7.3.4 Compilation of curriculum : Community Nursing (One Year)**

**Qualification and programme code: 837 100 (Telematic); Curriculum G511T**

YEAR 1	
FIRST SEMESTER	
CODE	CR
NSCT211	16
NSCT271	24
NSDT111	16
NSGT111	16
NSMT211	16
<b>Total semester 1</b>	<b>88</b>

YEAR 1	
SECOND SEMESTER	
CODE	CR
NSCT221	16
NSFT121	16
NSGT121	16
NSRT121	16
<b>Total semester 2</b>	<b>64</b>
<b>TOTAL CREDITS FOR THE CURRICULUM</b>	<b>152</b>

**NOTE:** NSCT271 runs over a year.

**G.1.27.7.4 HEALTH SCIENCE EDUCATION (One Year)****Qualification and programme code: 837 101 (Telematic); Curriculum G512T****G.1.27.7.4.1 Curriculum outcomes**

The successful candidate should be able to:

- a) utilise the psychology and philosophy of education in creating a context conducive to learning;
- b) apply the knowledge and skills of andragogic didactics to facilitate deep holistic lifelong learning;
- c) participate in curriculum development;
- d) utilise intra- and interpersonal life skills to facilitate relationships within the personal and professional sphere; and
- e) partake in health research.

**G.1.27.7.4.2 Articulation and exit point**

- a) Students may apply for recognition of credits for modules completed at other universities.
- b) If a student who completed the AUDHS (one year) wishes to register for the B.Cur. (Ed. et Adm.) degree a maximum of eight (8) theory modules can be credited on written request from the student and payment of the prescribed fees.

**G.1.27.7.4.3 Additional rules**

- a) Students registered for NSET, must complete the accompanying practica. Any costs involved must be paid by the student.
- b) All practica arrangements must be made by the student.
- c) A maximum of one year extension is allowed for completion of practica.

**G.1.27.7.4.4 Compilation of Curriculum**

YEAR 1	
FIRST SEMESTER	
CODE	CR
BSKT111	16
NSDT111	16
NSET111	16
NSET211	16
NSET271	16
<b>Total semester 1</b>	<b>80</b>

YEAR 1	
SECOND SEMESTER	
CODE	CR
BSKT221	16
NSET221	16
NSFT121	16
NSRT121	16
<b>Total semester 2</b>	<b>64</b>
<b>TOTAL CREDITS FOR THE CURRICULUM</b>	<b>144</b>

**NOTE:** NSET271 runs over a year.

**G.1.27.7.5 HEALTH SERVICE MANAGEMENT (One Year)****Qualification and programme code: 837 102 (Telematic); Curriculum G513T****G.1.27.7.5.1 Curriculum outcomes**

The successful candidate should be able to utilise managerial skills in rendering quality health care by the:

- a) application of risk and financial management principles;
- b) implementation of information systems;
- c) management of human resources;
- d) management of a health service Unit/Clinic; and
- e) utilisation of intra- and interpersonal life skills to facilitate relationships within personal and professional sphere.

**G.1.27.7.5.2 Articulation and exit point**

- a) Students may apply for recognition of credits for modules completed at other universities.
- b) If a student who completed the AUDHS (one year) wishes to register for the B.Cur. (Ed. et Adm.) degree a maximum of eight (8) theory modules can be credited on written request from the student and payment of the prescribed fees.

**G.1.27.7.5.3 Additional rules**

- a) Students registered for NSMT, must complete the accompanying practica. Any costs involved must be paid by the student.
- b) All practica arrangements must be made by the student.
- c) A maximum of one year extension is allowed for completion of practica.

**G.1.27.7.5.4 Compilation of Curriculum**

YEAR 1	
FIRST SEMESTER	
CODE	CR
BSKT111	16
NSDT111	16
NSMT211	16
NSMT271	16
OBAD112	16
<b>Total semester 1</b>	<b>80</b>

YEAR 1	
SECOND SEMESTER	
CODE	CR
BSKT221	16
NSFT121	16
NSMT221	16
NSRT121	16
<b>Total semester 2</b>	<b>64</b>
<b>TOTAL CREDITS FOR THE CURRICULUM</b>	<b>144</b>

**NOTE:** NSMT271 runs over a year.

**G.1.27.7.6 CLINICAL NURSING SCIENCE, HEALTH ASSESSMENT, TREATMENT AND CARE (One Year)**

**Qualification and programme code: 837 103 (Telematic); Curriculum G514T**

(This curriculum is offered at selected centres only) A student must be qualified in General Nursing Science and Midwifery.

**G.1.27.7.6.1 Curriculum outcomes**

The successful candidate should be able to function as an independent practitioner within the multi-professional team and within the ethical-legal framework by:

- a) utilising critical analytical problem solving skills in the management of the health problems of patients;
- b) assessing, diagnosing and implementing outcomes of planned comprehensive care;
- c) communicating effectively; and
- d) undertaking research within the epidemiological framework.

**G.1.27.7.6.2 Articulation and exit point**

- a) Students may apply for recognition of credits for modules completed at other universities.
- b) If a student who completed the AUDHS (one year) wishes to register for the B.Cur. (Ed. et Adm.) degree credit will be given on written request from the student and payment of the prescribed fees for a maximum of eight (8) theory modules completed.

**G.1.27.7.6.3 Additional rules**

- a) Students registered for NSHT, must complete the accompanying practica. Any costs involved must be paid by the student.
- b) All practica arrangements must be made by the student.
- c) A maximum of one year extension is allowed for completion of practica.

**G.1.27.7.6.4 Compilation of Curriculum : Clinical Nursing Science, Health Assessment, Treatment and Care (One Year)**

YEAR 1	
FIRST SEMESTER	
CODE	CR
NSDT111	16
NSGT111	16
NSHT211	16
NSHT271	48
NSKT211	16
<b>Total semester 1</b>	<b>112</b>

YEAR 1	
SECOND SEMESTER	
CODE	CR
NSCT221	16
NSFT121	16
NSGT121	16
NSHT221	16
<b>Total semester 2</b>	<b>64</b>
<b>TOTAL CREDITS FOR THE CURRICULUM</b>	<b>176</b>

**NOTE:** NSHT271 runs over a year.

## G.2 MODULE OUTCOMES

### G.2.1 SCHOOL OF BIOKINETICS, REREATION AND SPORT SCIENCE

Module code: MBWB681	Semester 1 and 2	NQF-Level:7
Title: Biokinetics: Orthopaedics		
<b>Module outcomes:</b> After the module has been completed, the student should be able to: <ul style="list-style-type: none"><li>• demonstrate comprehensive and systematic knowledge of anatomic, kinesiological and biomechanical constructs as well as risk stratification, the etiology and identification of injuries and the clinical management of final-phase rehabilitation;</li><li>• within the multidisciplinary health team, effectively apply and implement the science-based methods of investigation, diagnosis and optimising of functional abilities in the return to sport activities in the final-phase rehabilitation; and</li><li>• have the ability to effectively present academically professional work and communicate it to a variety of patients and audiences by using appropriate academically professional reasoning.</li></ul>		
<b>Mode of delivery:</b> Modes of delivery for modules are full-time/contact. No modules are presented "online" or presented from one campus to students on another campus.		
<b>Assessment methods:</b> Assessment for obtaining a participation mark is done according to the prescriptions in the study guide for each module. Formal assessment (class tests and assignments) will be written according to the guidelines in the study guides and at the times scheduled for them in the academic calendar. Students write one final examination at the end of a semester according to the academic timetable. A second examination opportunity will be available to students who have missed the first opportunity and/or have failed the first examination.		

Module code: MBWB682	Semester 1 and 2	NQF-Level:7
Title: Biokinetics: Clinical		
<b>Module outcomes:</b> After the module has been completed, the student should be able to: <ul style="list-style-type: none"><li>• demonstrate a comprehensive and systematic knowledge base in exercise physiology, pathophysiology and aetiology of chronic diseases and/or defects, as well as an intimate knowledge of the final-phase rehabilitation and optimising of functional achievement within the current development in the study field;</li><li>• demonstrate an informed and critical understanding of basic pharmacological medication and nutritional principles with regard to the specialisation field of Biokinetics, and acceptance of the provisional nature of knowledge and the limits and limitations of the field;</li><li>• demonstrate the ability to identify, analyse and implement activity, lifestyle and exercise constructs as intervention modality by using evidence-based solutions and theory-driven arguments;</li><li>• conduct effective application and implementation of the final-phase rehabilitation in the multidisciplinary health team on the basis of the scientific methods of investigation, diagnosis and optimising of functional abilities; and</li></ul>		

<ul style="list-style-type: none"> <li>demonstrate the ability to effectively present academic-professional work effectively and communicate it to a variety of audiences by using appropriate academic-professional reasoning as well as suitable IT media.</li> </ul>
<p><b>Mode of delivery:</b> Modes of delivery for modules are full-time/contact. No modules are presented "online" or presented from one campus to students on another campus.</p>
<p><b>Assessment methods:</b> Assessment for obtaining a participation mark is done according to the prescriptions in the study guide for each module. Formal assessment (class tests and assignments) will be written according to the guidelines in the study guides and at the times scheduled for them in the academic calendar. Students write one final examination at the end of a semester according to the academic timetable. A second examination opportunity will be available to students who have missed the first opportunity and/or have failed the first examination.</p>

<b>Module code: MBWB683</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:7</b>
Title: Biokinetics Theory / Health		
<p><b>Module outcomes:</b> After completion of the module the student should be able to:</p> <ul style="list-style-type: none"> <li>demonstrate comprehensive and systematic knowledge and understanding of growth and development throughout the total life cycle, health promotion, exercise psychology and wellness constructs, appropriate improvement and intervention strategies in order to optimise performance, as well as the operation of bio-ergonomic work physiology and physical selection within Biokinetics;</li> <li>demonstrate skills in order to identify and analyse problems regarding the growth, health and wellness of sports people and to propose solutions through activity and exercise constructs as intervention modality;</li> <li>apply appropriate optimising strategies within the multidisciplinary context based on science-based methods of investigation, diagnosis and optimising of functional abilities;</li> <li>identify the lack of information and therefore obtain information; perform a critical analysis, synthesis and evaluation of quantitative and qualitative information; and utilise related sources in order to find a solution for the demand; and</li> <li>present academically professional work effectively and communicate it to a variety of audiences using appropriate academic professional reasoning and IT.</li> </ul>		
<p><b>Mode of delivery:</b> Modes of delivery for modules are full-time/contact. No modules are presented "online" or presented from one campus to students on another campus.</p>		
<p><b>Assessment methods:</b> Assessment for obtaining a participation mark is done according to the prescriptions in the study guide for each module. Formal assessment (class tests and assignments) will be written according to the guidelines in the study guides and at the times scheduled for them in the academic calendar. Students write one final examination at the end of a semester according to the academic timetable. A second examination opportunity will be available to students who have missed the first opportunity and/or have failed the first examination.</p>		



Module code: MBWB684	Semester 1 and 2	NQF-Level:7
Title: Biokinetics: Professional Internship		
<p><b>Module outcomes:</b></p> <p>After completion of the module the student should be able to:</p> <ul style="list-style-type: none"> <li>• demonstrate comprehensive and systematic knowledge and understanding of practice, appropriate improvement and intervention strategies with regard to optimising performance, rehabilitation and care, risk analysis, return to sport, wellness, health promotion and illness prevention within the current development in this field of study ;</li> <li>• implement all the facets of the profession with the practice of Biokinetics;</li> <li>• work together within a multidisciplinary health team;</li> <li>• establish, administer and manage an independent biokinetics practice based on specific management and legal ethical principles as required by the Health Professions Council of South Africa; and</li> <li>• offer proof of completing an internship as determined by the Health Professions Council of South Africa.</li> </ul>		
<p><b>Mode of delivery:</b></p> <p>Modes of delivery for modules are full-time/contact. No modules are presented "online" or presented from one campus to students on another campus.</p>		
<p><b>Assessment methods:</b></p> <p>Assessment for obtaining a participation mark is done according to the prescriptions in the study guide for each module. Formal assessment (class tests and assignments) will be written according to the guidelines in the study guides and at the times scheduled for them in the academic calendar. Students write one final examination at the end of a semester according to the academic timetable. A second examination opportunity will be available to students who have missed the first opportunity and/or have failed the first examination.</p>		

Module code: MBWK681	Semester 1 and 2	NQF-Level:7
Title: Applied Research methodology		
<p><b>Module outcomes:</b></p> <p>After the module has been completed, the student should be able to:</p> <ul style="list-style-type: none"> <li>• demonstrate extensive and systematic knowledge and understanding of the terminology used in Human Movement Sciences through the development and execution of a mini research project;</li> <li>• develop a research proposal and collect information in the tracing, analysing and sintesis of the relevant and recent research literature ;</li> <li>• identify, analyse and solve a research problem in the field of Human Movement Sciences through the collection, processing, analysing of data and to interpret and communicate it by means of professional academic journal-aimed research articles;</li> <li>• function ethically correct within the required parameters during the execution of the mini research project.</li> </ul>		
<p><b>Mode of delivery:</b></p> <p>Modes of delivery for modules are full-time/contact. No modules are presented "online" or presented from one campus to students on another campus.</p>		
<p><b>Assessment methods:</b></p>		

Assessment for obtaining a participation mark is done according to the prescriptions in the study guide for each module. Formal assessment (class tests and assignments) will be written according to the guidelines in the study guides and at the times scheduled for them in the academic calendar. Students write one final examination at the end of a semester according to the academic timetable. A second examination opportunity will be available to students who have missed the first opportunity and/or have failed the first examination.

<b>Module code: MBWK682</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:7</b>
Title: Kinderkinetics Theory		
<p><b>Module outcomes:</b></p> <p>After the module has been completed, the student should be able to:</p> <ul style="list-style-type: none"> <li>• demonstrate comprehensive and systematic knowledge and understanding of the neurological, as well as motor control systems, motor development phases of 0 to 12-year-old children, motor abnormalities and motor-related learning problems, appropriate evaluation and intervention methods, the theoretical basis and composition (test elements) of evaluation batteries to evaluate normal as well as abnormal development; causes, characteristics and evaluation methods of special populations and of specific disabilities in children, kinanthropometric terminology, the importance, correct collecting and reporting of kinanthropometric data with regard to the development of children with and without special needs;</li> <li>• demonstrate skills in measuring and listing length, mass, skin folds, circumferences, height and length and diameter measurements according to ISAK standards, as well as determining the body composition of children adults and specific populations;</li> <li>• demonstrate skills to identify and analyse critical problems around the child's motor and physical development to propose possible theory-driven solutions while the human dignity of the child is protected throughout;</li> <li>• demonstrate the ability to collect, analyse and interpret scientific research data from literature and case studies under supervision and use the results to evaluate and improve the child's motor and physical development and body composition; and</li> <li>• in an ethically responsible manner generate, defend and communicate in writing and orally solutions that concern the child's physical, motor and body composition.</li> </ul>		
<p><b>Mode of delivery:</b></p> <p>Modes of delivery for modules are full-time/contact. No modules are presented "online" or presented from one campus to students on another campus.</p>		
<p><b>Assessment methods:</b></p> <p>Assessment for obtaining a participation mark is done according to the prescriptions in the study guide for each module. Formal assessment (class tests and assignments) will be written according to the guidelines in the study guides and at the times scheduled for them in the academic calendar. Students write one final examination at the end of a semester according to the academic timetable. A second examination opportunity will be available to students who have missed the first opportunity and/or have failed the first examination.</p>		

<b>Module code: MBWK683</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:7</b>
Title: Applied Kinderkinetics Practical		
<p><b>Module outcomes:</b></p> <p>After the module has been completed, the student should be able to:</p> <ul style="list-style-type: none"> <li>• demonstrate comprehensive and systematic knowledge of the neurological as well as motor control systems, motor development phases of 0 to 12-year-old children, motor abnormalities and motor-related learning problems, suitable evaluation and intervention methods (for home programmes as well), progression in lesson compilation, selection of suitable programme material, the theoretical basis and composition (test elements) of evaluation batteries to evaluate normal as well as abnormal development, causes, characteristics and evaluation methods of special populations and of specific disabilities in children;</li> <li>• demonstrate the skills to identify and analyse critical problems regarding the child's motor and physical development and generate solutions in the form of suitable Kinderkinetics intervention and development programmes in an ethically responsible manner;</li> <li>• demonstrate the ability to collect, analyse and interpret scientific research data under supervision from literature and case studies and then use the results to improve the child's motor and physical development;</li> <li>• apply evaluation methods with regard to the neuro-motor development of children 0-12 years old and develop kinderkinetics programmes for a variety of child populations and communicate them in writing and orally in a prescribed report format to an audience and other professional people and peers and evaluate and improve the programme and feedback where and if necessary; and</li> <li>• generate solutions that involve the child's physical, motor and body composition in an ethically responsible manner.</li> </ul>		
<p><b>Mode of delivery:</b></p> <p>Modes of delivery for modules are full-time/contact. No modules are presented "online" or presented from one campus to students on another campus.</p>		
<p><b>Assessment methods:</b></p> <p>Assessment for obtaining a participation mark is done according to the prescriptions in the study guide for each module. Formal assessment (class tests and assignments) will be written according to the guidelines in the study guides and at the times scheduled for them in the academic calendar. Students write one final examination at the end of a semester according to the academic timetable. A second examination opportunity will be available to students who have missed the first opportunity and/or have failed the first examination.</p>		

<b>Module code: MBWK684</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:7</b>
Title: Professional Internship		
<p><b>Module outcomes:</b></p> <p>After the module has been completed, the student should be able to:</p> <p>demonstrate comprehensive and systematic knowledge of Kinderkinetics theory and Kinderkinetics practice and apply it in practice in a number of prescribed case studies with regard to baby massage and baby stimulation, brain development programmes for toddlers, remedial programmes for children with special needs, sport development programmes for children with special needs, sport development and wellness programmes for children with and without special needs;</p>		

- apply the standards with which a practice and Kinderkineticist has to comply in order to be accredited and registered, can equip and maintain own practice by selecting appliances, maintaining equipment, drawing up a budget, adhering to administrative and safety requirements for a practice, demonstrate knowledge and understanding of current programmes for Kinderkinetics, the marketing of Kinderkinetics services in various ways to other professional people to obtain multidisciplinary collaboration, and communicating knowledge to parents;
- demonstrate skills to use different prescribed assessment techniques in Kinderkinetics by applying them to a prescribed number of case studies with different physical and motor needs;
- evaluate the assessment results of a prescribed number of physical and motor needs and report on them. This assessment and reporting must be done with and without supervision;
- demonstrate the ability to collect, analyse and interpret scientific research data under supervision from literature and case studies and use the results to manage a Kinderkinetics business; and
- generate solutions that involve the presentation, assessment and reporting of Kinderkinetics programmes and the management of a practice in an ethically responsible and value-driven manner

**Mode of delivery:**

Modes of delivery for modules are full-time/contact. No modules are presented "online" or presented from one campus to students on another campus.

**Assessment methods:**

Assessment for obtaining a participation mark is done according to the prescriptions in the study guide for each module. Formal assessment (class tests and assignments) will be written according to the guidelines in the study guides and at the times scheduled for them in the academic calendar. Students write one final examination at the end of a semester according to the academic timetable. A second examination opportunity will be available to students who have missed the first opportunity and/or have failed the first examination.

<b>Module code: MBWK685</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:7</b>
Title: Applied Exercise Physiology		
<b>Module outcomes:</b>		
After the module has been completed, the student should be able to:		
<ul style="list-style-type: none"> <li>• demonstrate a comprehensive and systematic knowledge of aspects of exercise physiology and anatomy that relate to child-specific programming, as well as to special exercise guidelines and biological maturation aspects when compiling, substantiating, analysing, evaluating and adapting as well as executing these types of programmes;</li> <li>• demonstrate information and research skills in problem-solving, and use literature to provide evidence of the periodising and execution of programmes for special needs; correctly use concepts, terminologies, convention, formats, etc. in compiling/formulating solutions/programmes; and</li> <li>• demonstrate that all forms of communication are based on an established value system and that action is ethically correct and within the desired parameters in planning programmes, executing them and taking other related aspects into consideration.</li> </ul>		
<b>Mode of delivery:</b>		
Modes of delivery for modules are full-time/contact. No modules are presented "online" or		

presented from one campus to students on another campus.
<p><b>Assessment methods:</b></p> <p>Assessment for obtaining a participation mark is done according to the prescriptions in the study guide for each module. Formal assessment (class tests and assignments) will be written according to the guidelines in the study guides and at the times scheduled for them in the academic calendar. Students write one final examination at the end of a semester according to the academic timetable. A second examination opportunity will be available to students who have missed the first opportunity and/or have failed the first examination.</p>

<b>Module code: MBWK686</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:7</b>
Title: Child Welfare and Health Promotion		
<p><b>Module outcomes:</b></p> <p>After the module has been completed, the student should be able to:</p> <ul style="list-style-type: none"> <li>• demonstrate extensive and systematic knowledge and understanding of the terminology used in child welfare, the therapeutic process, behaviour adaptations to enhance quality of life, and of the effect of music on the development of a child, and improve the self-concept of the child by improving motor skills, the theoretical base and the practical application of the principles of total welfare;</li> <li>• demonstrate skills to identify and analyse critical problems around the child's total welfare and generate solutions in an ethically responsible manner;</li> <li>• demonstrate the ability to collect, analyse and interpret scientific research data under supervision from literature and case studies and use the results to make suggestions to improve the total welfare and health of the child; and</li> <li>• develop therapeutic recreation programmes for a variety of child populations and communicate this in writing and orally to an audience of peers and evaluate and improve the programme and feedback where and if necessary, and generate solutions in an ethically responsible manner.</li> </ul>		
<p><b>Mode of delivery:</b></p> <p>Modes of delivery for modules are full-time/contact. No modules are presented "online" or presented from one campus to students on another campus.</p>		
<p><b>Assessment methods:</b></p> <p>Assessment for obtaining a participation mark is done according to the prescriptions in the study guide for each module. Formal assessment (class tests and assignments) will be written according to the guidelines in the study guides and at the times scheduled for them in the academic calendar. Students write one final examination at the end of a semester according to the academic timetable. A second examination opportunity will be available to students who have missed the first opportunity and/or have failed the first examination.</p>		

<b>Module code: MBWS682</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:7</b>
Title: Applied Sport Physiology		
<p><b>Module outcomes:</b></p> <p>After the module has been completed, the student should be able to:</p> <ul style="list-style-type: none"> <li>• demonstrate a comprehensive and systematic knowledge of sport physiology with specific specialisation in physiological exercise adjustments; the influence of gender,</li> </ul>		

<p>altitude, ergogenic aids and travelling on different adjustments regarding exercise; thermoregulation that takes place while exercising, as well as scientific and recent guidelines for nutrition that influence exercise adjustments;</p> <ul style="list-style-type: none"> <li>• demonstrate skills to identify, evaluate and solve complex practice-related sport-specific problems by taking programming and specific exercise guidelines, as well as performance goals, into consideration in the compilation, substantiation, analysis, evaluation and adaptation of different types of programmes;</li> <li>• be qualified, individually or as part of a group, to research and analyse information in appropriate literature and use it in the planning of programmes aimed at particular sport-specific needs. Be able to substantiate the choice and composition of the plans and activities and communicate the recommendations in writing and orally by means of appropriate IT to an audience of peers and professionals; and</li> <li>• demonstrate in all forms of communication that an established value system is in place and that the planning and execution of programmes are within the desired parameters, and that other associated aspects have been taken into consideration.</li> </ul>
<p><b>Mode of delivery:</b> Modes of delivery for modules are full-time/contact. No modules are presented "online" or presented from one campus to students on another campus.</p>
<p><b>Assessment methods:</b> Assessment for obtaining a participation mark is done according to the prescriptions in the study guide for each module. Formal assessment (class tests and assignments) will be written according to the guidelines in the study guides and at the times scheduled for them in the academic calendar. Students write one final examination at the end of a semester according to the academic timetable. A second examination opportunity will be available to students who have missed the first opportunity and/or have failed the first examination.</p>

<b>Module code: MBWS683</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:7</b>
Title: Applied Biomechanics		
<p><b>Module outcomes:</b> After the module has been completed, the student should be able to:</p> <ul style="list-style-type: none"> <li>• demonstrate a comprehensive and systematic knowledge of neurophysiology, methods and techniques for identifying talent, growth and biomechanical principles, as well as the Dartfish video analysis programme;</li> <li>• demonstrate skills for combining and applying motor learning and biomechanics and the Dartfish video analysis programme in analysing, evaluating and correcting sport technique/movement execution as found in complex and practice-related problems;</li> <li>• obtain relevant information as an individual or a member of a team by using a variety of research literature to find evidence-based and ethically accountable solutions for practice-related case studies, and communicate the information and recommendations in writing and orally to an audience of peers and professionals using appropriate IT.</li> </ul>		
<p><b>Mode of delivery:</b> Modes of delivery for modules are full-time/contact. No modules are presented "online" or presented from one campus to students on another campus.</p>		
<p><b>Assessment methods:</b> Assessment for obtaining a participation mark is done according to the prescriptions in the study guide for each module. Formal assessment (class tests and assignments) will be written according to the guidelines in the study guides and at the times scheduled for them in</p>		

the academic calendar. Students write one final examination at the end of a semester according to the academic timetable. A second examination opportunity will be available to students who have missed the first opportunity and/or have failed the first examination.

<b>Module code: MBWS684</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:7</b>
Title: Applied Sport Psychology		
<p><b>Module outcomes:</b> After the module has been completed, the student should be able to:</p> <ul style="list-style-type: none"> <li>• demonstrate a comprehensive and systematic knowledge of coaching philosophies, sport psychology and appropriate evaluation instruments for evaluating sports people;</li> <li>• be competent to electronically capture, analyse and interpret sport psychology data and information after an evaluation in order to compile an electronic report and/or individual/team consultation session in which evidence-based and theory-driven recommendations are made and applied; and</li> <li>• analyse, interpret and synthesise different coaching philosophies in order to develop a personal life, sport and sport science philosophy that can be applied to individuals and teams in a sport science practice when a sport psychology consultant/sport scientist operates in an ethically professional manner from an established value system.</li> </ul>		
<p><b>Mode of delivery:</b> Modes of delivery for modules are full-time/contact. No modules are presented "online" or presented from one campus to students on another campus.</p>		
<p><b>Assessment methods:</b> Assessment for obtaining a participation mark is done according to the prescriptions in the study guide for each module. Formal assessment (class tests and assignments) will be written according to the guidelines in the study guides and at the times scheduled for them in the academic calendar. Students write one final examination at the end of a semester according to the academic timetable. A second examination opportunity will be available to students who have missed the first opportunity and/or have failed the first examination.</p>		

<b>Module code: MBWS685</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:7</b>
Title: Sport Science Internship		
<p><b>Module outcomes:</b> After the module has been completed, the student should be able to:</p> <ul style="list-style-type: none"> <li>• integrate, synthesise and apply a comprehensive and systematic knowledge, understanding and skills regarding a variety of sport science directed subject disciplines in order to offer sports people/students sport scientific services/programmes in real exercise environments; and</li> <li>• act in an ethically correct manner within the desired parameters when functioning as a sport scientist in training.</li> </ul>		
<p><b>Mode of delivery:</b> Modes of delivery for modules are full-time/contact. No modules are presented "online" or presented from one campus to students on another campus.</p>		
<p><b>Assessment methods:</b> Assessment for obtaining a participation mark is done according to the prescriptions in the</p>		

study guide for each module. Formal assessment (class tests and assignments) will be written according to the guidelines in the study guides and at the times scheduled for them in the academic calendar. Students write one final examination at the end of a semester according to the academic timetable. A second examination opportunity will be available to students who have missed the first opportunity and/or have failed the first examination.

<b>Module code: MBWS686</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:7</b>
Title: Sport Science Practice		
<b>Module outcomes:</b>		
After the module has been completed, the student should be able to:		
<ul style="list-style-type: none"> <li>• demonstrate a comprehensive and systematic knowledge of the qualities, skills and processes involved in the planning and functioning of an undertaking in the sport business as well as of sport physiology, anatomy and anthropometry</li> <li>• demonstrate skills to identify and analyse problems among sports people by means of video analysis and communicate the findings in writing and orally to the sports people, coaches and sport scientists;</li> <li>• demonstrate the ability to plan, set up and manage a sport science business;</li> <li>• correctly use specific exercise guidelines, performance goals, concepts, terminologies, convention, format, etc. in the composition, substantiation, analysis, evaluation and adaptation, as well as execution of sport-specific tests and programmes; and</li> <li>• operate in an ethically correct manner within the desired parameters when functioning in the sport science practice.</li> </ul>		
<b>Mode of delivery:</b>		
Modes of delivery for modules are full-time/contact. No modules are presented "online" or presented from one campus to students on another campus.		
<b>Assessment methods:</b>		
Assessment for obtaining a participation mark is done according to the prescriptions in the study guide for each module. Formal assessment (class tests and assignments) will be written according to the guidelines in the study guides and at the times scheduled for them in the academic calendar. Students write one final examination at the end of a semester according to the academic timetable. A second examination opportunity will be available to students who have missed the first opportunity and/or have failed the first examination.		

<b>Module code: RKKX673</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:7</b>
Title: Recreation Management		
<b>Module outcomes:</b>		
After the module has been completed, the student should be able to:		
<ul style="list-style-type: none"> <li>• demonstrate comprehensive and systematic knowledge of practical skills with regard to the presentation of recreation services;</li> <li>• use effective and appropriate practical skills in order to successfully present and manage recreation services in a professional manner;</li> <li>• demonstrate a coherent and critical understanding of the science, research and technology and the ability to combine that with the necessary theoretical expertise in order to identify and solve known problems in the recreation practice; and</li> </ul>		



- master sensitive issues in the facilitation practice in a professional and ethically accountable manner.

**Mode of delivery:**

Modes of delivery for modules are full-time/contact. No modules are presented "online" or presented from one campus to students on another campus.

**Assessment methods:**

Assessment for obtaining a participation mark is done according to the prescriptions in the study guide for each module. Formal assessment (class tests and assignments) will be written according to the guidelines in the study guides and at the times scheduled for them in the academic calendar. Students write one final examination at the end of a semester according to the academic timetable. A second examination opportunity will be available to students who have missed the first opportunity and/or have failed the first examination.

<b>Module code: RKKX677</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:7</b>
Title: Therapeutic Recreation		
<b>Module outcomes:</b>		
After the module has been completed, the student should be able to:		
<ul style="list-style-type: none"> <li>• demonstrate a comprehensive and systematic knowledge base of therapeutic recreation within a multidisciplinary relationship, together with the philosophical basis for effective service delivery, and combine this knowledge with the necessary theoretical expertise to identify, analyse, evaluate and solve practice-oriented problems;</li> <li>• successfully master effective and appropriate planning skills within the systems approach of service delivery in order to implement a variety of interventions;</li> <li>• handle sensitive issues in the Therapeutic Recreation practice in an ethical and responsible manner; and</li> <li>• collect, analyse and interpret scientific research data under supervision from literature and case studies and use the results for positive leisure time functioning.</li> </ul>		
<b>Mode of delivery:</b>		
Modes of delivery for modules are full-time/contact. No modules are presented "online" or presented from one campus to students on another campus.		
<b>Assessment methods:</b>		
Assessment for obtaining a participation mark is done according to the prescriptions in the study guide for each module. Formal assessment (class tests and assignments) will be written according to the guidelines in the study guides and at the times scheduled for them in the academic calendar. Students write one final examination at the end of a semester according to the academic timetable. A second examination opportunity will be available to students who have missed the first opportunity and/or have failed the first examination.		

<b>Module code: RKKX678</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:7</b>
Title: Advanced Facilitation		
<b>Module outcomes:</b>		
After the module has been completed, the student should be able to:		
<ul style="list-style-type: none"> <li>• demonstrate comprehensive and systematic knowledge of experiential learning, as well as the characteristics and skills that a facilitator must have;</li> </ul>		

<ul style="list-style-type: none"> <li>• demonstrate effective and functional processing skills to successfully facilitate a variety of leisure time programmes for target groups;</li> <li>• demonstrate a coherent and critical understanding of science, research and technology and the ability to combine that with the necessary theoretical expertise in order to identify and solve problems; and</li> <li>• master sensitive issues in the facilitation practice in an ethically accountable manner.</li> </ul>
<p><b>Mode of delivery:</b></p> <p>Modes of delivery for modules are full-time/contact. No modules are presented "online" or presented from one campus to students on another campus.</p>
<p><b>Assessment methods:</b></p> <p>Assessment for obtaining a participation mark is done according to the prescriptions in the study guide for each module. Formal assessment (class tests and assignments) will be written according to the guidelines in the study guides and at the times scheduled for them in the academic calendar. Students write one final examination at the end of a semester according to the academic timetable. A second examination opportunity will be available to students who have missed the first opportunity and/or have failed the first examination.</p>

<b>Module code: RKKX679</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:7</b>
Title: Leisure Programming		
<p><b>Module outcomes:</b></p> <p>After the module has been completed, the student should be able to:</p> <ul style="list-style-type: none"> <li>• demonstrate a comprehensive and systematic knowledge base and understanding of the handling of leisure time programming, operating a practice and applicable strategies to optimise leisure time service delivery;</li> <li>• demonstrate effective and functional planning skills in order to effectively apply leisure time service delivery and programmes within a variety of communities and populations;</li> <li>• demonstrate the ability to identify and analyse problems with regard to the planning and implementing of leisure time service delivery and offer theory-driven solutions on the basis of research and technology;</li> <li>• solve problems regarding leisure time programming in an ethically accountable manner in order to contribute to the promotion of recreation service delivery in South Africa; and</li> <li>• collect, analyse and interpret scientific research data under supervision from literature and case studies and use the results for positive leisure time functioning</li> </ul>		
<p><b>Mode of delivery:</b></p> <p>Modes of delivery for modules are full-time/contact. No modules are presented "online" or presented from one campus to students on another campus.</p>		
<p><b>Assessment methods:</b></p> <p>Assessment for obtaining a participation mark is done according to the prescriptions in the study guide for each module. Formal assessment (class tests and assignments) will be written according to the guidelines in the study guides and at the times scheduled for them in the academic calendar. Students write one final examination at the end of a semester according to the academic timetable. A second examination opportunity will be available to students who have missed the first opportunity and/or have failed the first examination.</p>		

<b>Module code: RKKX681</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:7</b>
Title: Applied Recreation Management		
<b>Module outcomes:</b>		
After the module has been completed, the student should be able to:		
<ul style="list-style-type: none"> <li>• demonstrate comprehensive and systematic knowledge of service delivery and management in the recreation environment;</li> <li>• apply effective and appropriate management skills during the planning, organising and presentation of recreation services;</li> <li>• demonstrate a coherent and critical understanding of the science, research and technology and the ability to combine that with the necessary theoretical expertise in order to identify and solve problems; and</li> <li>• solve problems regarding recreation management in an ethically accountable manner in order to contribute to the promotion of recreation service delivery in South Africa.</li> </ul>		
<b>Mode of delivery:</b>		
Modes of delivery for modules are full-time/contact. No modules are presented "online" or presented from one campus to students on another campus.		
<b>Assessment methods:</b>		
Assessment for obtaining a participation mark is done according to the prescriptions in the study guide for each module. Formal assessment (class tests and assignments) will be written according to the guidelines in the study guides and at the times scheduled for them in the academic calendar. Students write one final examination at the end of a semester according to the academic timetable. A second examination opportunity will be available to students who have missed the first opportunity and/or have failed the first examination.		

<b>Module code: MBWB871</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:8a en b</b>
Title: Biokinetics (Dissertation)		
<b>Module outcomes:</b>		
After the module has been completed, the student should be able to:		
<ul style="list-style-type: none"> <li>• demonstrate a comprehensive and systematic knowledge base of research methodologies and techniques in Human Movement Science with specialist knowledge in Biokinetics/Sport Science/Kinderkinetics/Recreation Science;</li> <li>• synthesise and apply the knowledge of research methodologies and techniques applicable to one of the above specialist areas in planning, composing and executing a research project;</li> <li>• identify and solve a complex research problem or question in one of the abovementioned specialist areas by using skills for developing and processing information and the collecting, capturing, processing, analysing and interpreting of research data;</li> <li>• present a mini-dissertation effectively and professionally and in compliance with the standards of scientific professional writing under supervision using advanced IT and communicating the results to a national specialist examination panel, using academic-professional reasoning; and</li> <li>• act in an ethically correct manner and within the required parameters during the execution of the mini-research project and composition and completion of the mini-thesis.</li> </ul>		
<b>Mode of delivery:</b>		
Modes of delivery for modules are full-time/contact. No modules are presented "online" or		

presented from one campus to students on another campus.
<b>Assessment methods:</b> Evaluation of dissertation by internal and external examiners.

<b>Module code: MBWK871</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:8a en b</b>
Title: Kinderkinetics (Dissertation)		
<b>Module outcomes:</b> After the module has been completed, the student should be able to:		
<ul style="list-style-type: none"> <li>• demonstrate a comprehensive and systematic knowledge base of research methodologies and techniques in Human Movement Science with specialist knowledge in Biokinetics/Sport Science/Kinderkinetics/Recreation Science;</li> <li>• synthesise and apply the knowledge of research methodologies and techniques applicable to one of the above specialist areas in planning, composing and executing a research project;</li> <li>• identify and solve a complex research problem or question in one of the abovementioned specialist areas by using skills for developing and processing information and the collecting, capturing, processing, analysing and interpreting of research data;</li> <li>• present a mini-dissertation effectively and professionally and in compliance with the standards of scientific professional writing under supervision using advanced IT and communicating the results to a national specialist examination panel, using academic-professional reasoning; and</li> <li>• act in an ethically correct manner and within the required parameters during the execution of the mini-research project and composition and completion of the mini-thesis.</li> </ul>		
<b>Mode of delivery:</b> Modes of delivery for modules are full-time/contact. No modules are presented "online" or presented from one campus to students on another campus.		
<b>Assessment methods:</b> Evaluation of dissertation by internal and external examiners		

<b>Module code: MBWS871</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:8a en b</b>
Title: Sport Science practise		
<b>Module outcomes:</b> After the module has been completed, the student should be able to:		
<ul style="list-style-type: none"> <li>• demonstrate a comprehensive and systematic knowledge base of research methodologies and techniques in Human Movement Science with specialist knowledge in Biokinetics/Sport Science/Kinderkinetics/Recreation Science;</li> <li>• synthesise and apply the knowledge of research methodologies and techniques applicable to one of the above specialist areas in planning, composing and executing a research project;</li> <li>• identify and solve a complex research problem or question in one of the abovementioned specialist areas by using skills for developing and processing information and the collecting, capturing, processing, analysing and interpreting of research data;</li> <li>• present a mini-dissertation effectively and professionally and in compliance with the</li> </ul>		

standards of scientific professional writing under supervision using advanced IT and communicating the results to a national specialist examination panel, using academic-professional reasoning; and
<ul style="list-style-type: none"> <li>act in an ethically correct manner and within the required parameters during the execution of the mini-research project and composition and completion of the mini-thesis.</li> </ul>
<b>Mode of delivery:</b> Modes of delivery for modules are full-time/contact. No modules are presented "online" or presented from one campus to students on another campus.
<b>Assessment methods:</b> Evaluation of dissertation by internal and external examiners.

<b>Module code: RKKV871</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:8a en b</b>
Title: Recreation Science (Dissertation)		
<b>Module outcomes:</b> After the module has been completed, the student should be able to: <ul style="list-style-type: none"> <li>demonstrate a comprehensive and systematic knowledge base of research methodologies and techniques in Human Movement Science with specialist knowledge in Biokinetics/Sport Science/Kinderkinetics/Recreation Science;</li> <li>synthesise and apply the knowledge of research methodologies and techniques applicable to one of the above specialist areas in planning, composing and executing a research project;</li> <li>identify and solve a complex research problem or question in one of the abovementioned specialist areas by using skills for developing and processing information and the collecting, capturing, processing, analysing and interpreting of research data;</li> <li>present a mini-dissertation effectively and professionally and in compliance with the standards of scientific professional writing under supervision using advanced IT and communicating the results to a national specialist examination panel, using academic-professional reasoning; and</li> <li>act in an ethically correct manner and within the required parameters during the execution of the mini-research project and composition and completion of the mini-thesis.</li> </ul>		
<b>Mode of delivery:</b> Modes of delivery for modules are full-time/contact. No modules are presented "online" or presented from one campus to students on another campus.		
<b>Assessment methods:</b> Evaluation of dissertation by internal and external examiners.		

<b>Module code: MBWK971</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:8c</b>
Title: Thesis (Human Movement Science)		
<b>Module outcomes:</b> After the module has been completed, the student should be able to: <ul style="list-style-type: none"> <li>demonstrate a comprehensive and systematic specialist knowledge base of research methodologies and techniques that are at the forefront of Human Movement Science;</li> <li>synthesise and apply the knowledge of the most advanced research methodologies and</li> </ul>		

<p>techniques applicable to a specialist area in Human Movement Science in planning, composing and executing a complex research project;</p> <ul style="list-style-type: none"> <li>• identify and solve a complex research problem or question at the forefront of a specialist area by using skills for developing and processing information and collecting, capturing, processing, analysing and interpreting research data;</li> <li>• independently, effectively and professionally present a dissertation that complies with the standards of scientific professional writing using advanced IT and communicate the results to an international specialist examination panel, using academic-professional reasoning; and</li> <li>• act in an ethically correct manner and within the required parameters during the execution of the research project and composition and completion of the thesis.</li> </ul>
<p><b>Mode of delivery:</b> Modes of delivery for modules are full-time/contact. No modules are presented "online" or presented from one campus to students on another campus.</p>
<p><b>Assessment methods:</b> Evaluation of thesis by internal and external examiners.</p>

<b>Module code: RKKX971</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:8c</b>
Title: Thesis (Recreation Science)		
<p><b>Module outcomes:</b> After the module has been completed, the student should be able to:</p> <ul style="list-style-type: none"> <li>• demonstrate a comprehensive and systematic specialist knowledge base of research methodologies and techniques that are at the forefront of Human Movement Science;</li> <li>• synthesise and apply the knowledge of the most advanced research methodologies and techniques applicable to a specialist area in Human Movement Science in planning, composing and executing a complex research project;</li> <li>• identify and solve a complex research problem or question at the forefront of a specialist area by using skills for developing and processing information and collecting, capturing, processing, analysing and interpreting research data;</li> <li>• independently, effectively and professionally present a dissertation that complies with the standards of scientific professional writing using advanced IT and communicate the results to an international specialist examination panel, using academic-professional reasoning; and</li> <li>• act in an ethically correct manner and within the required parameters during the execution of the research project and composition and completion of the thesis.</li> </ul>		
<p><b>Mode of delivery:</b> Modes of delivery for modules are full-time/contact. No modules are presented "online" or presented from one campus to students on another campus.</p>		
<p><b>Assessment methods:</b> Evaluation of thesis by internal and external examiners.</p>		

**G.2.2 SCHOOL OF PHARMACY**

<b>Module code: IOPS311</b>	<b>Semester 1</b>	<b>NQR-Level:7</b>
Title: Organisation Psychology		
<b>Module Outcomes:</b>		
After the completion of the module, the student should be able to:		
<ul style="list-style-type: none"> <li>• know and understand the research, theories, and approaches as regards organisational behaviour, stress, motivation, job satisfaction, leadership, group behaviour, organisational politics, conflict, decision making, communication and organisational design;</li> <li>• develop a sensitivity for individual, group and organisational problems on national and international level and be flexible regarding its management; apply skills to diagnose individual, group and organisational problems and to intervene and/or refer individuals to professionals;</li> <li>• facilitate individuals and/or groups and/or advise the relevant parties on solutions; know and understand the nature, reasons for and history of organisational culture, organisational climate and organisational development;</li> <li>• know and understand the competencies of an organisational development consultant; apply skills to diagnose problems and opportunities and refer/facilitate/consult individuals and groups;</li> <li>• identify changes impacting on the working environment and know and understand the management of change;</li> <li>• know and understand organisational diagnosis and apply techniques to diagnose problems and opportunities in organisations; and</li> <li>• know and understand elementary organisational development interventions; and apply skills to develop, implement and evaluate these interventions in the workplace.</li> </ul>		
<b>Mode of delivery:</b>		
Telematic.		
<b>Assessment methods:</b>		
Learners must write an exam. A second exam opportunity is available if a learner did not pass the first opportunity.		

<b>Module code: BSKT221</b>	<b>Semester 2</b>	<b>NQR-Level:7</b>
Title: Pharmaceutical Management III: Industrial Psychology		
<b>Module Outcomes:</b>		
After the completion of the module, the student should be able to:		
<ul style="list-style-type: none"> <li>• know and understand the nature, value and functions of human resource management and its challenges;</li> <li>• demonstrate a knowledge of and insight into job analysis, human resource planning, recruitment, selection, compensation, performance management, induction, training and development;</li> <li>• apply skills to develop these programmes within the working environment;</li> <li>• show knowledge and insight regarding the importance of a safe and healthy work environment that enhances the employees' quality of working; and</li> <li>• apply knowledge and skills to compile human resource management programmes.</li> </ul>		
<b>Mode of delivery:</b>		

Telematic.
<b>Assessment methods:</b> Learners must write an exam. A second exam opportunity is available if a learner did not pass.

<b>Module code: FMIA613</b>	<b>Semester 1</b>	<b>NQR-Level:7</b>
Title: Biopharmaceutics		
<b>Module Outcomes:</b> After the completion of the module, the student should be able to:		
<ul style="list-style-type: none"> <li>• acquire the basic principles of biopharmaceutics and pharmacokinetics;</li> <li>• describe the various factors (dissolutions, absorption, gastric emptying rate presence of food etc.) on the bio-availability of various drugs;</li> <li>• advise patients with regard to the correct use of drug dosage regimens in order to optimise drug therapy;</li> <li>• describe the various parameters used to determine the bio-availability of drugs; and</li> <li>• describe the various characteristics of drugs that may cause pharmacokinetic variability.</li> </ul>		
<b>Methods of Delivery:</b> Telematic.		
<b>Assessment methods:</b> Learners must write an exam. A second exam opportunity is available if a learner did not pass the first opportunity.		

<b>Module code: FMIA614</b>	<b>Semester 1</b>	<b>NQR-Level:7</b>
Title: Stability of Pharmaceutical Products		
<b>Module Outcomes:</b> After the completion of the module, the student should be able to:		
<ul style="list-style-type: none"> <li>• demonstrate his/her knowledge of the application of chemical kinetics during determination of the shelf life of a pharmaceutical product;</li> <li>• determine the shelf life of a product using provided data;</li> <li>• understand and explain the reason for expiration dates on pharmaceutical products with reference to the most important routes of drug degradation; and</li> <li>• draw up a stability testing program (protocol) according to the national guidelines and requirements for stability testing programs.</li> </ul>		
<b>Mode of delivery:</b> Telematic.		
<b>Assessment methods:</b> Learners must write an exam. A second exam opportunity is available if a learner did not pass the first opportunity.		

<b>Module code: FPHA611</b>	<b>Semester 1</b>	<b>NQR-Level:7</b>
Title: Introduction to Pharmaco-economics		
<b>Module Outcomes:</b> After the completion of the module, the student should be able to demonstrate:		



<ul style="list-style-type: none"> <li>• appropriate pharmacoeconomic analytical methods in specific situations;</li> <li>• planning and implementation of pharmaco-economic research studies;</li> <li>• compilation of pharmacoeconomic reports and critically evaluating published pharmacoeconomic studies;</li> <li>• identification of international trends and applications of pharmacoeconomic principles; and</li> <li>• illustration of cost concepts and application and uses of pharmacoeconomics.</li> </ul>
<b>Mode of delivery:</b> Telematic.
<b>Assessment methods:</b> Learners must write an exam. A second exam opportunity is available if a learner did not pass the first opportunity.

<b>Module code: FPHA612</b>	<b>Semester 1</b>	<b>NQR-Level:7</b>
Title: Managed Pharmaceutical Care		
<b>Module Outcomes:</b> After the completion of the module, the student should be: <ul style="list-style-type: none"> <li>• familiar with the theoretical and practical aspects of managed pharmaceutical care with regard to the application of the patient care process and the establishment and management of the professional pharmaceutical care practice in the South African context.</li> </ul>		
<b>Mode of delivery:</b> Telematic.		
<b>Assessment methods:</b> Learners must write an exam. A second exam opportunity is available if a learner did not pass the first opportunity.		

<b>Module code: FPHA613</b>	<b>Semester 1</b>	<b>NQR-Level:7</b>
Title: Disease Management and Drug Utilisation Review		
<b>Module Outcomes:</b> After the completion of the module, the student should be able: <ul style="list-style-type: none"> <li>• to implement certain medicine information systems pertaining to Disease Management as an aid in decision making to improve quality and economical aspects in medicine usage; and</li> <li>• have insight in the following information systems: Drug utilization review, pharmacoeconomics, evidence-based medicine, pharmacoepidemiology and the principles of Disease Management.</li> </ul>		
<b>Mode of delivery:</b> Telematic.		
<b>Assessment methods:</b> Learners must write an exam. A second exam opportunity is available if a learner did not pass the first opportunity.		

<b>Module code: FPHA621</b>	<b>Semester 2</b>	<b>NQR-Level:7</b>
Title: Pharmacotherapy I		
<b>Module Outcomes:</b> After the completion of the module, the student should be able: <ul style="list-style-type: none"> <li>• to supply knowledge and skills in primary screening and monitoring services, as well as background in the management of acute minor ailments of the neurological system, the eyes, the oral cavity, the ear, nose and throat in pharmacy;</li> <li>• reflect knowledge on primary screening and monitoring services in the pharmacy, secondly an on basic pharmacotherapy and the necessary skills to communicate a comprehensive patient history; and</li> <li>• know theoretical guidelines for the basic physical examination of a patient on primary health care level.</li> </ul>		
<b>Mode of delivery:</b> Telematic.		
<b>Assessment methods:</b> Learners must write an exam. A second exam opportunity is available if a learner did not pass the first opportunity.		

<b>Module code: FPHA622</b>	<b>Semester 2</b>	<b>NQR-Level:7</b>
Title: Pharmacotherapy II		
<b>Module Outcomes:</b> After the completion of the module, the student should: <ul style="list-style-type: none"> <li>• reflect knowledge and skills in the management of acute minor ailments as well as insight into the care of patients with chronic diseases;</li> <li>• reflect knowledge and skills on the rational treatment and the referral of patients to secondary care level;</li> <li>• know the implementation of the principles of pharmacotherapy in a holistic pharmaceutical plan; and</li> <li>• know etiology, symptoms and signs, and treatment of a range of disorders including: Neurological disorders, ophthalmologic disorders, the oral cavity, ear nose and throat disorders, upper and lower respiratory tract disorders, cardiovascular disorders, diabetes, musculo-skeletal disorders, skin infections, urine tract infections and sexually transmitted diseases.</li> </ul>		
<b>Mode of delivery:</b> Telematic.		
<b>Assessment methods:</b> Learners must write an exam. A second exam opportunity is available if a learner did not pass the first opportunity.		

<b>Module code: FPHA623</b>	<b>Semester 2</b>	<b>NQR-Level:7</b>
Title: Pharmaco-epidemiology		
<b>Module Outcomes:</b> <ul style="list-style-type: none"> <li>• To implement and use certain principles, concepts and epidemiologic fundamentals in day-to-day pharmacy practice.</li> </ul>		

<ul style="list-style-type: none"> <li>• The learner should have insight in: <ul style="list-style-type: none"> <li>○ fundamental pharmcoepidemiology;</li> <li>○ epidemiological concepts;</li> <li>○ observational study designs in epidemiology;</li> <li>○ experimental study designs;</li> <li>○ data identification and analysis;</li> <li>○ concepts of risk and risk assessment;</li> <li>○ screening and diagnostic testing;</li> <li>○ post-marketing surveillance drug utilisation studies and pharmacoconomics; and</li> <li>○ pharmcoepidemiology in pharmacy practice.</li> </ul> </li> </ul>
<b>Mode of delivery:</b> Telematic.
<b>Assessment methods:</b> Learners must write an exam. A second exam opportunity is available if a learner did not pass the first opportunity.

<b>Module code: FPHA624</b>	<b>Semester 2</b>	<b>NQR-Level:7</b>
Title: Legislation and Quality Control		
<b>Module Outcomes:</b> After the completion of the course the student should be: <ul style="list-style-type: none"> <li>• familiar with the different Acts applicable to the Pharmacy profession such as the Pharmacy Act (No 53 of 1974) and the Medicine and related substance control Act (No 101 of 1965).</li> </ul>		
<b>Mode of delivery:</b> Telematic.		
<b>Assessment methods:</b> Learners must write an exam. A second exam opportunity is available if a learner did not pass the first opportunity.		

<b>Module code: FPHA625</b>	<b>Semester 2</b>	<b>NQR-Level:7</b>
Title: Medicines Supply Systems		
<b>Module Outcomes:</b> After the completion of the course the student should be: <ul style="list-style-type: none"> <li>• familiar with the management of medicine distribution in the public health care system in South Africa with special emphasis to the pharmacist's responsibilities in the medicine distribution cycle, policy guidelines, medicine selection procurement and distribution.</li> </ul>		
<b>Mode of delivery:</b> Telematic.		
<b>Assessment methods:</b> Learners must write an exam. A second exam opportunity is available if a learner did not pass the first opportunity.		

<b>Module code: FPHA626</b>	<b>Semester 2</b>	<b>NQR-Level:7</b>
Title: Pharmaceutical Management II		
<b>Module Outcomes:</b>		
<ul style="list-style-type: none"> <li>• Get an overview of management from an organisational perspective;</li> <li>• Distinguish the various themes and philosophies behind the evolution and history of management;</li> <li>• Identify the professional skills required of managers;</li> <li>• Grasp the basics of management functions / pillars;</li> <li>• See how the P-O-L-C (Planning-Organising-Leading-Control) segments can enable a manager to impact problems and opportunities in pharmacy; and</li> <li>• Know how contemporary management issues impact varying aspects of a pharmacy and the pharmacy profession.</li> </ul>		
<b>Mode of delivery:</b>		
Telematic.		
<b>Assessment Method:</b>		
Learners must write an exam. A second exam opportunity is available if a learner did not pass the first opportunity.		

<b>Module code: BMAN312</b>	<b>Semester 2</b>	<b>NQR-Level:7</b>
Title: Pharmaceutical Management II		
<b>Module Outcomes:</b>		
After the completion of the course the student should be able to:		
<ul style="list-style-type: none"> <li>• demonstrate both knowledge and application regarding entrepreneurship, entrepreneurship and the importance of small, medium and micro enterprises;</li> <li>• explain the problems of small, medium and micro enterprises, establishment factors, forms of business and legal aspects;</li> <li>• demonstrate knowledge regarding the entrepreneurial process, the generation of ideas and surveying the environment for opportunities; explain what a feasibility study entails; and</li> <li>• explain and demonstrate relevant knowledge regarding a condensed business plan with functional strategies and demonstrate knowledge regarding risk and insurance, taxation and franchising.</li> </ul>		
<b>Method of Delivery:</b>		
Contact		
<b>Assessment Methods:</b>		
Learners must write an exam. A second exam opportunity is available if a learner did not pass the first opportunity.		

<b>Module code: FKLT631</b>	<b>Semester 1</b>	<b>NQR-Level:7</b>
Title: Principles of Pharmacokinetics		
<b>Module Outcomes:</b>		
After successful completion of this module, the learner should be able to:		
<ul style="list-style-type: none"> <li>• demonstrate an understanding of the basic pharmacokinetic principles and the ability do some calculations;</li> </ul>		

<ul style="list-style-type: none"> <li>• know the factors influencing the absorption, distribution, metabolism and excretion of drugs;</li> <li>• participate in all discussions; and</li> <li>• demonstrate an ability to apply sound ethical principles in all endeavours.</li> </ul>
<b>Mode of delivery:</b> Telematic.
<b>Assessment methods:</b> Learning outcomes for each module is assessed via: <ul style="list-style-type: none"> <li>• an assignment,</li> <li>• a moderated electronic group discussion (excluding ), and</li> <li>• an electronic examination.</li> </ul> After completion of all modules as prescribed, the learner must successfully complete an oral examination (via telephone conferencing), including an external examiner and two internal examiners, on all pharmacological topics (see Module 13) to obtain the degree.

<b>Module code: FKL632</b>	<b>Semester 1</b>	<b>NQR-Level:7</b>
Title: Principles of Pharmacodynamics		
<b>Module Outcomes:</b> After successful completion of this module, the learner should be able to: <ul style="list-style-type: none"> <li>• apply pharmacodynamic principles to assess the impact of drugs on a patient;</li> <li>• assess drug actions from pharmacodynamic parameters;</li> <li>• assess beforehand whether or not a certain combination of drugs is desirable;</li> <li>• interpret and evaluate in vitro and in vivo experimental findings;</li> <li>• apply the principles of linear drug-receptor interactions to the complicated non-linear drug-receptor interactions;</li> <li>• show a thorough knowledge of the various drug-receptor interactions of agonists and antagonists; and</li> <li>• participate in partner and group discussion.</li> </ul>		
<b>Mode of delivery:</b> Telematic.		
<b>Assessment methods:</b> Learning outcomes for each module is assessed via: <ul style="list-style-type: none"> <li>• an assignment,</li> <li>• a moderated electronic group discussion (excluding ), and</li> <li>• an electronic examination.</li> </ul> After completion of all modules as prescribed, the learner must successfully complete an oral examination (via telephone conferencing), including an external examiner and two internal examiners, on all pharmacological topics (see Module 13) to obtain the degree.		

Module code: FKLT633	Semester 1	NQR-Level:7
Title: Drugs for Pain, Inflammation, Fever and Air Passage Diseases		
<p><b>Module Outcomes:</b></p> <p>After successful completion of this module and in the treatment of disorders (e.g. pain and inflammation, obstructive pulmonary and other respiratory disorders) in which autacoids are predominantly involved, the learner should be able to:</p> <ul style="list-style-type: none"> <li>• portray a full classification of the drugs in this regard;</li> <li>• demonstrate awareness of all effects in the application of these drugs;</li> <li>• reflect a thorough knowledge and understanding of the pharmacological mechanisms of action and pharmacokinetics of these drugs;</li> <li>• explain drug interactions together with indications and contra-indications of specific drug treatment;</li> <li>• analyse and evaluate treatment scenarios and propose rational alternatives;</li> <li>• show a patient-oriented approach in advising patients on effective drug use;</li> <li>• demonstrate the ability to retrieve the latest information on drugs for treating these disorders;</li> <li>• participate in peer and group discussions; and</li> <li>• apply social and ethical codes in drug selection and administration.</li> </ul>		
<p><b>Mode of delivery:</b></p> <p>Telematic.</p>		
<p><b>Assessment methods:</b></p> <p>Learning outcomes for each module is assessed via:</p> <ul style="list-style-type: none"> <li>• an assignment,</li> <li>• a moderated electronic group discussion (excluding ), and</li> <li>• an electronic examination.</li> </ul> <p>After completion of all modules as prescribed, the learner must successfully complete an oral examination (via telephone conferencing), including an external examiner and two internal examiners, on all pharmacological topics (see Module 13) to obtain the degree.</p>		

Module code: FKLT641	Semester 1	NQR-Level:7
Title: Drugs and the Pheripheral Nervous System		
<p><b>Module Outcomes:</b></p> <p>After successful completion of this module, the learner should be able to:</p> <ul style="list-style-type: none"> <li>• portray a full classification of drugs acting in the peripheral nervous system;</li> <li>• demonstrate awareness of the therapeutic applications of these drugs;</li> <li>• reflect a thorough knowledge of the pharmacological mechanisms of action and pharmacokinetics of these drugs;</li> <li>• explain drug interactions together with selected indications and contra-indications of drug treatment;</li> <li>• reveal the ability to retrieve the latest information on drugs for treating the appropriate disease states;</li> <li>• participate in group discussions; and</li> <li>• demonstrate the application of a social and ethical code in drug selection.</li> </ul>		

<p><b>Mode of delivery:</b> Telematic.</p>
<p><b>Assessment methods:</b> Learning outcomes for each module is assessed via:</p> <ul style="list-style-type: none"> <li>• an assignment,</li> <li>• a moderated electronic group discussion (excluding ), and</li> <li>• an electronic examination.</li> </ul> <p>After completion of all modules as prescribed, the learner must successfully complete an oral examination (via telephone conferencing), including an external examiner and two internal examiners, on all pharmacological topics (see Module 13) to obtain the degree.</p>

Module code: FKLT642	Semester 1	NQR-Level:7
Title: Chemotherapy of Infections and Infestations		
<p><b>Module Outcomes:</b> After successful completion of this module and in the treatment of various infectious disease states with anti-microbial drugs, the learner should be able to:</p> <ul style="list-style-type: none"> <li>• portray a full classification of drug prototypes used in the treatment of infectious diseases;</li> <li>• select an appropriate treatment;</li> <li>• demonstrate satisfactory knowledge of the clinically important pharmacological mechanisms and pharmacokinetics of antimicrobial drugs;</li> <li>• explain clinically important indications, contra-indications and drug interactions;</li> <li>• analyse and evaluate treatment scenarios, and to propose responsible alternatives to obvious cases of misuse of drugs;</li> <li>• illustrate an ability to solve case studies;</li> <li>• demonstrate a patient-directed approach and an ability to advise patients regarding effective anti-infective drug use in view of the global increase in microbial drug resistance;</li> <li>• reveal an understanding of the need to remain informed about infection control and treatment in an ever changing microbiological environment;</li> <li>• participate in group discussions; and</li> <li>• apply a social and ethical code in drug selection.</li> </ul>		
<p><b>Mode of delivery:</b> Telematic.</p>		
<p><b>Assessment methods:</b> Learning outcomes for each module is assessed via:</p> <ul style="list-style-type: none"> <li>• an assignment,</li> <li>• a moderated electronic group discussion (excluding ), and</li> <li>• an electronic examination.</li> </ul> <p>After completion of all modules as prescribed, the learner must successfully complete an oral examination (via telephone conferencing), including an external examiner and two internal examiners, on all pharmacological topics (see Module 13) to obtain the degree.</p>		

Module code: FKL T651	Semester 2	NQR-Level:7
Title: Drugs and the Central Nervous System		
<p><b>Module Outcomes:</b></p> <p>In the treatment of disorders of the central nervous system with drugs affecting central neurotransmission and receptor function you should:</p> <ul style="list-style-type: none"> <li>• be able to portray a full classification of the drugs in this regard;</li> <li>• be aware of all effects in the application of these drugs;</li> <li>• reflect a thorough knowledge of the pharmacological mechanisms of action and pharmacokinetics of these drugs;</li> <li>• be able to explain drug interactions together with indications and contra-indications of specific drug treatment;</li> <li>• be able to analyse and evaluate treatment scenarios and propose rational alternatives;</li> <li>• show a patient-directed (oriented) approach in advising patients of the effective drug use;</li> <li>• demonstrate the ability to retrieve the latest information on drugs for treating various central nervous system disorders;</li> <li>• be able to participate in discussions; and</li> <li>• be able to apply social and ethical codes in drug selection and administration.</li> </ul>		
<p><b>Mode of delivery:</b></p> <p>Telematic.</p>		
<p><b>Assessment methods:</b></p> <p>Learning outcomes for each module is assessed via:</p> <ul style="list-style-type: none"> <li>• an assignment,</li> <li>• a moderated electronic group discussion (excluding ), and</li> <li>• an electronic examination.</li> </ul> <p>After completion of all modules as prescribed, the learner must successfully complete an oral examination (via telephone conferencing), including an external examiner and two internal examiners, on all pharmacological topics (see Module 13) to obtain the degree.</p>		

Module code: FKL T652	Semester 2	NQR-Level:7
Title: Hormones, Hormonoids and Hormone Antagonists		
<p><b>Module Outcomes:</b></p> <p>After successful completion of this module, you should be able to:</p> <ul style="list-style-type: none"> <li>• portray a full classification of releasing factors, trophic hormones and peripheral hormones, and indicate their sites of release and action, respectively;</li> <li>• name appropriate examples of drugs that act through modulation of hormonal action, be it as an agonist or antagonist;</li> <li>• name and explain the physiological actions of the various hormones, and be able to discuss the therapeutic effects and clinically important side-effects/toxicity of hormone-active drugs (distinguish between direct and indirect effects);</li> <li>• discuss the mechanisms whereby the various classes of hormones exert their physiological effects, and to discuss the pharmacological effects (see bullet 2) of the hormone-active drugs that act on these particular endocrine systems (distinguish receptor mechanism, cellular mechanism, neural mechanism, hemodynamic mechanism, systematic mechanism, etc.);</li> </ul>		



- name and also motivate the indications and contra-indications of the hormone-active drugs from the pharmacodynamic and -kinetic parameters of these drugs or drug groups under discussion;
- name and motivate the clinically important drug-drug interaction(s) from the pharmacodynamics and -kinetics of the specific hormone-active drug(s) or drug group(s) under discussion;
- scientifically analyse and evaluate given treatment scenarios for a specific patient (case studies) and propose possible alternatives;
- discuss and motivate the relevant points of patient advice with regard to using hormone-active drugs;
- demonstrate a patient-directed approach with regard to the appropriate pharmacotherapy;
- retrieve and evaluate the latest information on this subject independently and when directed to, by means of information technology, including CD-ROM and the Internet;
- communicate with colleagues individually, and in groups regarding the topics under discussion; and
- discuss the social-ethical implications of the specific hormone-active drug treatment regimes.

**Mode of delivery:**

Telematic.

**Assessment methods:**

Learning outcomes for each module is assessed via:

- an assignment,
- a moderated electronic group discussion (excluding ), and
- an electronic examination.

After completion of all modules as prescribed, the learner must successfully complete an oral examination (via telephone conferencing), including an external examiner and two internal examiners, on all pharmacological topics (see Module 13) to obtain the degree.

Module code: FKL T661	Semester 2	NQR-Level:7
Title: Drugs and the Cardiovascular System		
<p><b>Module Outcomes:</b></p> <p>In the treatment of various cardiovascular disease states with drugs that affect renal and cardiovascular functioning you should:</p> <ul style="list-style-type: none"> <li>• be able to portray a full classification of the drugs in this regard;</li> <li>• be aware of all effects in the application of these drugs;</li> <li>• reflect a thorough knowledge of the pharmacological mechanisms of action and pharmacokinetics of these drugs;</li> <li>• be able to explain drug interactions together with indications and contra-indications of drug treatment;</li> <li>• be able to analyse and evaluate treatment scenarios and propose rational (responsible) alternatives;</li> <li>• reveal a patient-directed approach in advising patients of the effective use of drugs;</li> <li>• reveal the ability to retrieve the latest information on drugs for treating various cardiovascular disease states;</li> </ul>		

<ul style="list-style-type: none"> <li>• be able to participate in group discussions; and</li> <li>• be able to apply the social and ethical code in drug selection.</li> </ul>
<b>Methods of Delivery:</b> Telematic.
<b>Assessment methods:</b> Learning outcomes for each module is assessed via: <ul style="list-style-type: none"> <li>• an assignment,</li> <li>• a moderated electronic group discussion (excluding ), and</li> <li>• an electronic examination.</li> </ul> After completion of all modules as prescribed, the learner must successfully complete an oral examination (via telephone conferencing), including an external examiner and two internal examiners, on all pharmacological topics (see Module 13) to obtain the degree.

Module code: FKLT662	Semester 2	NQR-Level:7
Title: Drugs for GIT and Skin Disorders		
<b>Module Outcomes:</b> After successful completion of this module, you should: <ul style="list-style-type: none"> <li>• be able to portray a full classification of the drugs in this regard;</li> <li>• be aware of all effects in the application of these drugs;</li> <li>• reflect a thorough knowledge of the pharmacological mechanisms of action and pharmacokinetics of these drugs;</li> <li>• be able to explain drug interactions together with indications and contra-indications of drug treatment;</li> <li>• be able to analyse and evaluate treatment scenarios and propose rational (responsible) alternatives;</li> <li>• reveal a patient-directed approach in advising patients of the effective use of drugs;</li> <li>• reveal the ability to retrieve the latest information on drugs for treating various cardiovascular disease states;</li> <li>• be able to participate in group discussions; and</li> <li>• be able to apply the social and ethical code in drug selection.</li> </ul>		
<b>Mode of delivery:</b> Telematic.		
<b>Assessment methods:</b> Learning outcomes for each module is assessed via: <ul style="list-style-type: none"> <li>• an assignment,</li> <li>• a moderated electronic group discussion (excluding ), and</li> <li>• an electronic examination.</li> </ul> After completion of all modules as prescribed, the learner must successfully complete an oral examination (via telephone conferencing), including an external examiner and two internal examiners, on all pharmacological topics (see Module 13) to obtain the degree.		

Module code: FKL T663	Semester 2	NQR-Level:7
Title: Vitamins, Haematopoetics and Immunopharmacology		
<p><b>Module Outcomes:</b></p> <p>In the drug treatment of cancer, the various indicated disease states that result from vitamin and mineral deficiencies, disorders pertaining to the blood forming organs, and disorders of the neuroimmune system, you should:</p> <ul style="list-style-type: none"> <li>• be able to portray a classification of the full range of drugs featuring in the module;</li> <li>• reflect a thorough knowledge of the relevant underlying pharmacological concepts including pharmacological action mechanisms, effects, and pharmacokinetics;</li> <li>• be able to explain clinically important drug interactions together with indications and contra-indications of drug treatment;</li> <li>• be able to analyse and evaluate treatment scenarios and propose rational (responsible) alternatives;</li> <li>• reveal a patient-directed approach in advising patients on the effective use of the drugs;</li> <li>• reveal the ability to retrieve the latest information on drugs for treating the various disease states;</li> <li>• be able to participate in group discussions; and</li> <li>• be able to apply the social and ethical code in drug selection.</li> </ul>		
<p><b>Mode of delivery:</b></p> <p>Telematic.</p>		
<p><b>Assessment methods:</b></p> <p>Learning outcomes for each module is assessed via:</p> <ul style="list-style-type: none"> <li>• an assignment,</li> <li>• a moderated electronic group discussion (excluding ), and</li> <li>• an electronic examination.</li> </ul> <p>After completion of all modules as prescribed, the learner must successfully complete an oral examination (via telephone conferencing), including an external examiner and two internal examiners, on all pharmacological topics (see Module 13) to obtain the degree.</p>		

Module code: FKL T664	Semester 2	NQR-Level:7
Title: Advanced Pharmacological Principles		
<p><b>Module Outcomes:</b></p> <p>The topics discussed in this module are relevant for all the different fields of pharmacology. At the end of this module you should be able to::</p> <ul style="list-style-type: none"> <li>• explain the different drug interactions and the clinical significance;</li> <li>• use clinical pharmacokinetic principles to predict an appropriate dosing schedule;</li> <li>• use the principles of chronopharmacology to enhance therapy in patients;</li> <li>• discuss gene therapy with other health workers;</li> <li>• participate in group discussions; and</li> <li>• apply the social and ethical code in drug selection.</li> </ul>		
<p><b>Mode of delivery:</b></p> <p>Telematic.</p>		
<p><b>Assessment methods:</b></p>		

<p>Learning outcomes for each module is assessed via:</p> <ul style="list-style-type: none"> <li>• an assignment,</li> <li>• a moderated electronic group discussion (excluding ), and</li> <li>• an electronic examination.</li> </ul> <p>After completion of all modules as prescribed, the learner must successfully complete an oral examination (via telephone conferencing), including an external examiner and two internal examiners, on all pharmacological topics (see Module 13) to obtain the degree.</p>
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<b>Module code: FKLT665</b>	<b>Semester 2</b>	<b>NQR-Level:7</b>
Title: Evidence-based Medicine		
<p><b>Module Outcomes:</b></p> <p>After successful completion of this module, you should be able to:</p> <ul style="list-style-type: none"> <li>• describe the basic principles of evidence-based medicine and apply these principles to a selection of drugs for treatment, in order to optimise patient care;</li> <li>• explain clinical trial design and the meaning thereof for the interpretation of published data;</li> <li>• apply your knowledge of elementary biostatistics for the interpretation of published data;</li> <li>• utilise systematic review databases and reveal the ability to retrieve the latest information on evidence-based medicine; and</li> <li>• apply the social and ethical code in drug selection.</li> </ul>		
<p><b>Mode of delivery:</b></p> <p>Telematic.</p>		
<p><b>Assessment methods:</b></p> <p>Learning outcomes for each module is assessed via:</p> <ul style="list-style-type: none"> <li>• an assignment,</li> <li>• a moderated electronic group discussion (excluding ), and</li> <li>• an electronic examination.</li> </ul> <p>After completion of all modules as prescribed, the learner must successfully complete an oral examination (via telephone conferencing), including an external examiner and two internal examiners, on all pharmacological topics (see Module 13) to obtain the degree.</p>		

<b>Module code: FKLT671</b>	<b>Semester 2</b>	<b>NQR-Level:7</b>
Title: Integrated Pharmacology		
<p><b>Module Outcomes:</b></p> <p>The programme outcomes states that successful completion of the Honours B.Sc. Programme in Pharmacology will enable the prescribing medical practitioner and persons from related disciplines to exercise accountable selections of drugs, founded on pharmacological and ethical principles, in the best interest of the patient. These primary programme outcomes imply that for the oral examination (Module 13) you should be able to demonstrate:</p> <ul style="list-style-type: none"> <li>• knowledge and insight into the dynamics and kinetics and interactions between drugs; and</li> <li>• an ability to compile individualised pharmacotherapeutic approaches, based on your pharmacological knowledge, insights and an appropriate ethical value system.</li> </ul> <p>These knowledge, skills and values will be evaluated with regard to all topics of the preceding</p>		

<p>modules including your ability to:</p> <ul style="list-style-type: none"> <li>• portray a full classification of all drugs;</li> <li>• demonstrate awareness of all effects in the application of all drugs;</li> <li>• reflect a thorough knowledge and understanding of the pharmacological mechanisms of action and pharmacokinetics of all drugs;</li> <li>• explain drug interactions together with indications and contra-indications of specific drug treatments;</li> <li>• analyse and evaluate treatment scenarios and propose rational alternatives;</li> <li>• show a patient-oriented approach in advising patients on effective drug use;</li> <li>• demonstrate the ability to retrieve the latest information on drugs for treating various disorders;</li> <li>• participate in a discussion (oral examination); and</li> <li>• apply social and ethical codes in drug selection and administration.</li> </ul>
<p><b>Mode of delivery:</b> Telematic.</p>
<p><b>Assessment methods:</b> Learning outcomes for each module is assessed via:</p> <ul style="list-style-type: none"> <li>• an assignment,</li> <li>• a moderated electronic group discussion (excluding ), and</li> <li>• an electronic examination.</li> </ul> <p>After completion of all modules as prescribed, the learner must successfully complete an oral examination (via telephone conferencing), including an external examiner and two internal examiners, on all pharmacological topics (see Module 13) to obtain the degree.</p>

<b>Module code: FCHG871</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:8b</b>
Title: Pharmaceutical Chemistry		
<p><b>Module outcomes:</b> After completion of the module the student should be able to:</p> <ul style="list-style-type: none"> <li>• identify a research problem/need, and to plan and execute a suitable research design in a scientific and ethical manner by making use of appropriate research methods, techniques and procedures;</li> <li>• interpret and integrate research results in a scientifically accountable manner and compile a research report out of it; and</li> <li>• communicate research results in a scientific and ethical way - orally and in writing.</li> </ul>		
<p><b>Mode of delivery:</b> An introductory course in research methodology, laboratory safety, ethics, statistics and good laboratory practice is offered at the start of the program and proof of participation must be obtained. The programme consists only of a dissertation and the research project is executed by the student in cooperation with the supervisors, subprogramme leaders and research director.</p>		
<p><b>Assessment methods:</b> The dissertation will be examined both internally and externally in accordance with the NWU regulations.</p>		

<b>Module code: FKL871</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:8b</b>
Title: Pharmacology		
<b>Module outcomes:</b> After completion of the module the student should be able to:		
<ul style="list-style-type: none"> <li>• identify a research problem/need, and to plan and execute a suitable research design in a scientific and ethical manner by making use of appropriate research methods, techniques and procedures;</li> <li>• interpret and integrate research results in a scientifically accountable manner and to compile a research report out of it; and</li> <li>• communicate research results in a scientific and ethical way, both orally and in writing.</li> </ul>		
<b>Mode of delivery:</b> An introductory course in research methodology, laboratory safety, ethics, statistics and good laboratory practice is offered at the start of the program and proof of participation must be obtained. The programme consists only of a dissertation and the research project is executed by the student in cooperation with the supervisors, subprogramme leaders and research director.		
<b>Assessment methods:</b> The dissertation will be examined both internally and externally in accordance with the NWU regulations.		

<b>Module code: FMSG871</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:8b</b>
Title: Pharmaceutics		
<b>Module outcomes:</b> After completion of the module the student should be able to:		
<ul style="list-style-type: none"> <li>• identify a research problem/need, and to plan and execute a suitable research design in a scientific and ethical manner by making use of appropriate research methods, techniques and procedures;</li> <li>• interpret and integrate research results in a scientifically accountable manner and compile a research report out of it; and</li> <li>• communicate research results in a scientific and ethical way - orally and in writing.</li> </ul>		
<b>Mode of delivery:</b> An introductory course in research methodology, laboratory safety, ethics, statistics and good laboratory practice is offered at the start of the program and proof of participation must be obtained. The programme consists only of a dissertation and the research project is executed by the student in cooperation with the supervisors, subprogramme leaders and research director.		
<b>Assessment methods:</b> The dissertation will be examined both internally and externally in accordance with the NWU regulations.		

<b>Module code: FPHA872</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:8b</b>
Title: Dissertation (Pharmacy Practice)		
<b>Module outcomes:</b> After completion of the module the student should be able to: <ul style="list-style-type: none"> <li>• plan and execute a suitable quantitative and/or qualitative research design in a scientific and ethical manner by making use of appropriate research methods, techniques and procedures;</li> <li>• interpret and integrate research results in a scientifically accountable manner and compile a research report out of it; and</li> <li>• communicate research results in a scientific and ethical way - orally and in writing.</li> </ul>		
<b>Mode of delivery:</b> It is expected from students to complete a research project under the guidance of a supervisor/s.		
<b>Assessment methods:</b> The dissertation will be examined both internally and externally in accordance with the NWU regulations.		

<b>Module code: FPHA811</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:8b</b>
Title: Applied Pharmaco-economics		
<b>Module outcomes:</b> After completion of the programme the student should <ul style="list-style-type: none"> <li>• demonstrate advanced and comprehensive specialist knowledge of pharmaco-economic analytical principles and methods;</li> <li>• have the ability to apply appropriate pharmaco-economic analytical techniques scientifically in order to identify and solve a specific problem; and</li> <li>• demonstrate skills for undertaking literature searches, critically reviewing already published reports and compiling and communicating an own pharmaco-economic report in an ethically responsible manner, while making use of suitable IT.</li> </ul>		
<b>Mode of delivery:</b> The module is presented by contact as it is expected of students to attend courses during the course of the year on various topics that support the contents of the module.		
<b>Assessment methods:</b> Learners will write one examination. There will also be a second opportunity if the student did not pass the first opportunity.		

<b>Module code: FPHA812</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:8b</b>
Title: Applied Pharmaco-epidemiology		
<b>Module outcomes:</b> After completion of the module the student should <ul style="list-style-type: none"> <li>• have advanced and comprehensive specialist knowledge of certain epidemiological and pharmaco-epidemiological principles, concepts and techniques, as well as of evidence-</li> </ul>		

<p>based medicine;</p> <ul style="list-style-type: none"> <li>• demonstrate the ability to plan and apply/propose appropriate epidemiological research designs in the field of medicine consumption;</li> <li>• demonstrate skills to identify, collect and analyse appropriate data needed for pharmaco-epidemiological studies by making use of correct data analysis techniques, while at the same time applying the principles of risk and risk-determining techniques to pharmaco-epidemiological data; and</li> <li>• demonstrate skills for reviewing published reports critically with the aid of meta-analyses and then compiling own results in a pharmaco-epidemiological report of a prescribed format.</li> </ul>
<p><b>Mode of delivery:</b></p> <p>The module is presented by contact as it is expected of students to attend courses during the course of the year on various topics that support the contents of the module.</p>
<p><b>Assessment methods:</b></p> <p>Learners will write one examination. There will also be a second opportunity if the student did not pass the first opportunity.</p>

<b>Module code: FCHG971</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:8c</b>
Title: Thesis (Pharmaceutical Chemistry)		
<p><b>Module outcomes:</b></p> <p>After completion of this module the student should be able to:</p> <ul style="list-style-type: none"> <li>• identify a research question / need, and to plan and execute an applicable research design in a scientific and ethical way by using suitable research methods, techniques and procedures;</li> <li>• interpret and integrate research findings in a scientifically responsible way and to compile a research report from it; and</li> <li>• communicate research finding, orally or in writing, in a scientific and ethical way.</li> </ul>		
<p><b>Mode of delivery:</b></p> <p>Full-time / part-time – Completion of a research project under the guidance of a supervisor.</p>		
<p><b>Assessment methods:</b></p> <p>The dissertation will be examined both internally and externally in accordance with the NWU regulations.</p>		

<b>Module code: FMSG971</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:8c</b>
Title: Thesis (Pharmaceutics)		
<p><b>Module outcomes:</b></p> <p>After completion of this module the student should be able to:</p> <ul style="list-style-type: none"> <li>• identify a research question / need, and to plan and execute an applicable research design in a scientific and ethical way by using suitable research methods, techniques and procedures;</li> <li>• interpret and integrate research findings in a scientifically responsible way and to compile a research report from it; and</li> </ul>		



<ul style="list-style-type: none"> <li>communicate research finding, orally or in writing, in a scientific and ethical way.</li> </ul>
<b>Mode of delivery:</b> Full-time / part-time – Completion of a research project under the guidance of a supervisor.
<b>Assessment methods:</b> The dissertation will be examined both internally and externally in accordance with the NWU regulations.

<b>Module code: FKLG971</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:8c</b>
Title: Thesis (Pharmacology)		
<b>Module outcomes:</b> After completion of this module the student should be able to: <ul style="list-style-type: none"> <li>identify a research question / need, and to plan and execute an applicable research design in a scientific and ethical way by using suitable research methods, techniques and procedures;</li> <li>interpret and integrate research findings in a scientifically responsible way and to compile a research report from it; and</li> <li>communicate research finding, orally or in writing, in a scientific and ethical way.</li> </ul>		
<b>Mode of delivery:</b> Full-time / part-time – Completion of a research project under the guidance of a supervisor.		
<b>Assessment methods:</b> The dissertation will be examined both internally and externally in accordance with the NWU regulations.		

<b>Module code: FPKG971</b>	<b>Semester 1 and 2</b>	<b>NQF-Level:8c</b>
Title: Thesis (Pharmacy Practice)		
<b>Module outcomes:</b> Upon completion of this module the student should: <ul style="list-style-type: none"> <li>be endowed with advanced knowledge and skills to identify a new, relevant research question within the specific research field of Pharmacy Practice;</li> <li>be able to plan and perform a suitable quantitative and/or qualitative research topic in a scientific and ethical manner by using suitable research methods, techniques and procedures;</li> <li>interpret and integrate research results in a scientifically justifiable way and compile a research report from it; and</li> <li>be able to communicate research results in writing and verbally in a scientific and ethical way.</li> </ul>		
<b>Mode of delivery:</b> Full time/part time - contact – It is expected from students to complete a research project under supervision of a supervisor(s).		
<b>Assessment methods:</b> The thesis is examined both internally and externally according to the regulations of the NWU.		

**G.2.3 SCHOOL OF PHYSIOLOGY, NUTRITION AND CONSUMER SCIENCES**

<b>Module code: FLGX612</b>	<b>Semester 1</b>	<b>NQF-Level: 7</b>
Title: Cardiovascular Physiology A		
<b>Module outcomes:</b>		
After completion of the module the student should:		
<ul style="list-style-type: none"> <li>• have extensive and systematic knowledge and insight into the mechanisms and integrated control of the heart and vascular system, specifically the coronary circulation, heart muscle contraction and vascular tone;</li> <li>• be able to understand and apply the principles of the cardiovascular physiology, and also understand how the cardiovascular system functions during normal conditions and certain states of disease;</li> <li>• be able to analyse the cellular and sub-cellular elements involved in cardiovascular physiology and their role during physiological and pathophysiological responses;</li> <li>• have the ability to fully utilise the literature, to identify problems scientifically and discuss them in an integrated manner (for assessment of this outcome);</li> <li>• be prepared to practise the scientific method and be able to do research regarding cardiovascular problems (for assessment of this outcome); and</li> <li>• be able to better understand circumstances in society that lead to the development of cardiovascular diseases, and help solve such problems (for assessment of this outcome).</li> </ul>		
<b>Mode of delivery:</b>		
Full-time / Part-time – Contact.		
<b>Assessment methods:</b>		
One examination per module.		

<b>Module code: FLGX613</b>	<b>Semester 1</b>	<b>NQF-Level: 7</b>
Title: Neurophysiology		
<b>Module outcomes:</b>		
After completion of the module the student should:		
<ul style="list-style-type: none"> <li>• have extensive and systematic knowledge of neurophysiology;</li> <li>• understand the role of the nervous system in the control of body activities;</li> <li>• understand the special sensory functions such as vision, hearing, taste and smell, and be able to assess the application of this knowledge, as well as pathology of a loss of function, and apply the knowledge in industry as research worker or employee;</li> <li>• know the sensory, motor and integration functions of the nervous system. (This knowledge you should be able to integrate in order to understand causative mechanisms such as the inception of obesity and hypertension through hyper reactivity of the sympathetic nervous system);</li> <li>• understand the important role of the neurotransmitters or neurohormones and the way that these affect emotional behaviour, nutritional behaviour and the inception of obesity (You should be able explain, analyse and synthesise related information and also explain possible end-organ damage such as in the vascular endothelium);</li> <li>• understand the identification of problems and independent solutions to problems;</li> <li>• understand the accurate processing and calculation of data/problems; and</li> <li>• understand the responsibility that you as a prospective research worker have and pursue</li> </ul>		

the characteristics that go along with it, such as accuracy, thoroughness, punctuality and integrity.
<b>Mode of delivery:</b> Full-time / Part-time – Contact.
<b>Assessment methods:</b> One examination per module.

<b>Module code: FLGX615</b>	<b>Semester 1</b>	<b>NQF-Level: 7</b>
Title: Research Methodology (Physiology)		
<b>Module outcomes:</b> After completion of the module the student should:		
<ul style="list-style-type: none"> <li>• demonstrate a comprehensive and systematic knowledge of the basic research concepts, methods and processes through collecting, analysing and integrating applicable information, formulation of a research proposal and the style in which the dissertation / article / report has to be written, and the compilation of a source list;</li> <li>• demonstrate the skill to identify a problem in the physiology and health industry, collect appropriate information from various sources, and apply knowledge in order to plan and write a fundamental, not too complicated research proposal in the prescribed format; and</li> <li>• demonstrate the skill to communicate information based upon good argumentation and problem-solving strategies as prescribed for the mini-dissertation / article / report.</li> </ul>		
<b>Mode of delivery:</b> Full-time / Par-time – Contact.		
<b>Assessment methods:</b> One examination per module.		

<b>Module code: FLGX617</b>	<b>Semester 1</b>	<b>NQF-Level: 7</b>
Title: Cellular Physiology		
<b>Module outcomes:</b> After completion of the module the student should:		
<ul style="list-style-type: none"> <li>• have extensive and systematic knowledge of and appropriate skills in relevant subjects within Cellular Physiology;</li> <li>• be able to collect knowledge from the available literature and interpret it in an integrated manner;</li> <li>• be able to analyse Cellular Physiology problems and solve them in view of the knowledge available; and</li> <li>• be able to communicate in writing and orally in a scientific manner</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> One examination per module.		

<b>Module code: FLGX618</b>	<b>Semester 1</b>	<b>NQF-Level: 7</b>
Title: Occupational Hygiene Monitoring A		
<b>Module outcomes:</b> After completion of the module the student should:		
<ul style="list-style-type: none"> <li>• have extensive and systematic knowledge and applicable skills within Occupational Hygiene;</li> <li>• be able to collect knowledge from the available literature and interpret it in an integrated manner;</li> <li>• be able to analyse Occupational Hygiene problems and solve them in view of the knowledge available; and</li> <li>• be able to communicate in writing and orally in a scientific manner.</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> One examination per module.		

<b>Module code: FLGX621</b>	<b>Semester 2</b>	<b>NQF-Level: 7</b>
Title: Cardiovascular Physiology C		
<b>Module outcomes:</b> After completion of the module the student should:		
<ul style="list-style-type: none"> <li>• have an extensive and systematic knowledge of the cardiovascular system and pathology;</li> <li>• be able to understand the neurohumoral consequences of heart failure;</li> <li>• be able to analyse the biophysical, clinical and therapeutic aspects of arterial stiffness;</li> <li>• be able to understand the acute vascular events during certain cardiovascular incidents;</li> <li>• be able to propose interventions for the improvement of cardiovascular function; and</li> <li>• be able to analyse the health problems related to the vascular endothelium damage.</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> One examination per module.		

<b>Module code: FLGX622</b>	<b>Semester 2</b>	<b>NQF-Level: 7</b>
Title: Toxicology A		
<b>Module outcomes:</b> After completion of the module the student should:		
<ul style="list-style-type: none"> <li>• have extensive and systematic knowledge and applicable skills within toxicology;</li> <li>• be able to collect knowledge from the available literature and interpret it in an integrated manner;</li> <li>• be able to analyse toxicological problems and solve them in view of the knowledge available; and</li> <li>• be able to communicate in writing and orally in a scientific manner.</li> </ul>		

<b>Mode of delivery:</b> Full-time / Part-time – Contact.
<b>Assessment methods:</b> One examination per module.

Module code: FLGX624	Semester 2	NQF-Level: 7
Title: Toxicology B		
<b>Module outcomes:</b> After completion of the module the student should: <ul style="list-style-type: none"> <li>• have extensive and systematic knowledge and applicable skills within toxicology;</li> <li>• be able to collect knowledge from the available literature and interpret and analyse it in an integrated manner;</li> <li>• be able to analyse toxicological problems and solve them in view of the knowledge available; and</li> <li>• be able to communicate in writing and orally in a scientific manner.</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> One examination per module.		

Module code: FLGX625	Semester 2	NQF-Level: 7
Title: Endocrinology		
<b>Module outcomes:</b> After completion of the module the student should: <ul style="list-style-type: none"> <li>• have extensive and systematic knowledge of the nervous system and the endocrine system (neuro-endocrinology);</li> <li>• be able to take part in discussions about the nervous system and the endocrine system and to do appropriate analyses, and have extensive and systematic knowledge of the nervous system and the endocrine system (neuro-endocrinology);</li> <li>• be able to take part in discussions about the nervous system and the endocrine system, and to execute appropriate analyses, syntheses and evaluations with regard to the knowledge;</li> <li>• be able to solve complex problems within the context of endocrinology and to communicate scientifically the solution individually or in group context in acceptable formats (verbally and/or non-verbally with IT), and to do a synthesis and evaluation with regard to the knowledge; and</li> <li>• be able to solve complex problems within the context of endocrinology and to communicate scientifically the solution, individually or in group context, in acceptable formats (verbally and/or non-verbally with IT).</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> One examination per module.		

Module code: FLGX627	Semester 2	NQF-Level: 7
Title: Cardiovascular Physiology B		
<b>Module outcomes:</b> After completion of the module the student should:		
<ul style="list-style-type: none"> <li>• have extensive and systematic knowledge of the different views of the role of sex hormones on the blood pressure, as well as be able to evaluate the different empirical (experimental) substructures;</li> <li>• be able to analyse the role of the endothelium function and dysfunction in the control of blood pressure;</li> <li>• be able to make out the different therapeutic treatments of endothelium dysfunction and debate the value of such treatments;</li> <li>• be able to evaluate the biology of the arterial wall and the relationship with arterial stiffness;</li> <li>• have knowledge of the pulse wave velocity and the arterial wall in order to evaluate its clinical significance;</li> <li>• be able to evaluate the effect of aging on the cardiovascular system;</li> <li>• be able to evaluate the effect of physiological, environmental and disease factors on arterial rigidity; and</li> <li>• be able to evaluate the working mechanism of leptin and the role of leptin in the development of cardiovascular diseases.</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> One examination per module.		

Module code: FLGX671	Semester 2	NQF-Level: 7
Title: Practical Project (Physiology)		
<b>Module outcomes:</b> After completion of the research project and composition of the treatise the student shall be able to:		
<ul style="list-style-type: none"> <li>• use the research method;</li> <li>• compose a dissertation in article format in accordance with the instructions with regard to documentation, argumentation, language and style; and</li> <li>• integrate and understand the literature on the research topic.</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> One presentation (oral communication) and an evaluation of the mini-dissertation.		

Module code: VGHB671	Semester 1 and 2	NQF-Level: 7
Title: Housing and Community Development		
<b>Module outcomes:</b> Upon completion of this module the student should:		

<ul style="list-style-type: none"> <li>• show a coherent and critical comprehension of housing and community development so that (i) possible solutions/recommendations for specific consumer problems regarding housing and community development may be offered, and (ii) the implications for consumer behaviour based on this may be critically evaluated;</li> <li>• be able to identify complex and/or actual problems and questions in relevant approaches regarding housing and community development upon which the planning and arranging of living space is based;</li> <li>• show knowledge and insight regarding the housing needs of communities so that the connection between housing satisfaction and quality of life will enable you to handle similar questions in practice through the analysis, evaluation, synthesis and integration of information;</li> <li>• be able to identify, analyse and critically to evaluate and justify with evidence-driven arguments research literature and statutory regulations relevant to housing and community development;</li> <li>• demonstrate an ethically correct attitude with regard to the manner in which you approach the consumer by making recommendations acceptable to both parties; and</li> <li>• demonstrate the principles and values underlying decision-making and housing law, as well as economical aspects in an academic-professional study. Communication takes place in the form of a written report and an oral presentation to suitable audiences within the context of consumer counselling regarding types of housing at the micro level.</li> </ul>
<p><b>Mode of delivery:</b> Full-time / Part-time – Contact.</p>
<p><b>Assessment methods:</b> One examination per module.</p>

<b>Module code: VGHB672</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 7</b>
Title: Consumer Resource Management		
<p><b>Module outcomes:</b> Upon completion of this module the student should:</p> <ul style="list-style-type: none"> <li>• demonstrate effective skills at retrieving, processing, interpreting and integrating academic literature relevant to consumer resource management;</li> <li>• show a coherent and critical comprehension of the principles that apply to resource management in order to (i) understand the consumer better and to critically evaluate their behaviour and decision-making process, and thereby (ii) to make meaningful recommendations based upon this evaluation;</li> <li>• identify, analyse and investigate complex problems and questions in resource management behaviour and offer evidence-driven solutions from theory-driven arguments;</li> <li>• demonstrate and orally communicate the principles and values underlying family welfare and family resource management;</li> <li>• in order to facilitate the homeowner's life, evaluate and analyse computerisation of the domestic environment and all the most recent developments in the area of domestic apparatus;</li> <li>• evaluate environmental conservation as well as responsible management of scarce resources in order to address sound resource management as well as consumer counselling;</li> <li>• present lectures suitable for a variety of audiences in a clear and meaningful fashion.</li> </ul>		

<b>Mode of delivery:</b> Full-time / Part-time – Contact.
<b>Assessment methods:</b> One examination per module.

Module code: VGHB673	Semester 1 and 2	NQF-Level: 7
Title: Interior Design		
<b>Module outcomes:</b> Upon completion of this module the student should: <ul style="list-style-type: none"> <li>• show a coherent and critical comprehension of the principles of environmental psychology so that (i) a particular built environment problem may be investigated and (ii) ongoing research based on this may be <b>critically evaluated</b>;</li> <li>• be able to identify, analyse and investigate complex and/or actual problems and questions in environmental psychology within the field of consumer studies, and also to offer evidence-driven solutions from theory-driven arguments;</li> <li>• identify, analyse, integrate and independently evaluate research in environmental psychology by executing a particular research survey;</li> <li>• demonstrate effective skills at retrieving, processing, interpreting and integrating information with regard to academic literature relevant to consumer sciences in the field of environmental psychology; and</li> <li>• demonstrate the principles and values underlying scientific research in an academically professional research project, as well as a follow-up report, and communicate it orally to a variety of audiences by using different genres appropriate to the context.</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> One examination per module.		

Module code: VKLE671	Semester 1 and 2	NQF-Level: 7
Title: Specialised Textile Studies		
<b>Module outcomes:</b> Upon completion of this module the student should be able to: <ul style="list-style-type: none"> <li>• have extensive and systematic knowledge of the physical textile environment to be found in the consumer sciences discipline through the analysis, evaluation, synthesis and integration of information, which will enable the student to write reports on various given topics scientifically and using correct terminology;</li> <li>• identify, analyse and critically evaluate with evidence-driven arguments research literature relevant to new developments in the textile field, and report on these;</li> <li>• determine usefulness criteria for specifically chosen textile products;</li> <li>• identify and apply suitable textile tests for the chosen textile and account for it in a report; and</li> <li>• demonstrate an ethically correct attitude with regard to the manner in which the experimental work was done.</li> </ul>		



<b>Mode of delivery:</b> Full-time / Part-time – Contact.
<b>Assessment methods:</b> One examination per module.

<b>Module code: VKLE672</b>	<b>Semester 1</b>	<b>NQF-Level: 7</b>
Title: Advanced Fashion Industry		
<b>Module outcomes:</b> Upon completion of this module the student should:		
<ul style="list-style-type: none"> <li>• show a coherent and critical comprehension of the principles, as well as a variety of methods, techniques of fashion purchasing terminology in the retail environment, so that the consumer's needs / problems in this environment may be examined and satisfied / solved through the application of critical research techniques and well considered purchasing processes;</li> <li>• identify, analyse and investigate complex problems and questions in the fashion retail purchasing environment, and offer evidence-driven solutions from theory-driven arguments;</li> <li>• identify, analyse, integrate and independently evaluate fashion trend sources and information in order to apply it to a specific retail environment; and</li> <li>• demonstrate in oral communication and personal decision-making the principles underlying marketing, as well as the support of international markets and various purchasing techniques.</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> One examination per module.		

<b>Module code: VNAM671</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 7</b>
Title: Consumer Research Methods and Scientific Writing		
<b>Module outcomes:</b> Upon completion of this module the student should:		
<ul style="list-style-type: none"> <li>• show a coherent and critical comprehension of the principles of research in consumer sciences, as well as a variety of methods, techniques and technology, so that (i) a choice may be made from these that will be suitable for a research problem in the field under investigation, and (ii) based on this, current research may be critically evaluated;</li> <li>• be able to identify, analyse and investigate complex and/or actual problems and questions in consumer sciences, and also to offer evidence-driven solutions from theory-driven arguments;</li> <li>• identify, analyse, integrate and independently evaluate quantitative and qualitative data by executing a particular research survey;</li> <li>• demonstrate effective skills at retrieving, processing, interpreting and integrating information with regard to academic literature relevant to consumer sciences;</li> <li>• have extensive and systematic knowledge of the art, style and structure of scientific</li> </ul>		

<p>writing, facilitating its practical application to the writing of documents through the analysis, evaluation, synthesis and integration of information, which will enable you scientifically to complete the honours project report and other written assignments;</p> <ul style="list-style-type: none"> <li>• be able to identify, analyse and critically to evaluate and justify with evidence-driven arguments research literature relevant to consumer sciences; and</li> <li>• demonstrate an ethically correct attitude with regard to the manner in which they exploit, interpret and integrate literature, as well as the way in which they undertake consumer-directed study.</li> </ul>
<p><b>Mode of delivery:</b> Full-time / Part-time – Contact.</p>
<p><b>Assessment methods:</b> One examination per module.</p>

<b>VNAV671</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 7</b>
Title: Research Project – Research Report - Presentation		
<p><b>Module outcomes:</b> Upon completion of this module the student should:</p> <ul style="list-style-type: none"> <li>• demonstrate a coherent and critical comprehension with regard to the execution of research in consumer behaviour;</li> <li>• select the most appropriate qualitative and quantitative research methods to scientifically investigate a research problem for the honours research project;</li> <li>• be able to identify, analyse and investigate complex and/or actual problems and questions in consumer studies, and also to offer evidence-driven solutions from theory-driven and research-driven arguments;</li> <li>• do a critical evaluation of research problems, investigate it practically through field-work research during the honours research project, and offer recommendations based thereupon by means of written and oral scientific communication;</li> <li>• in the practical execution or research identify, analyse, interpret and apply research literature relevant to the field of consumer behaviour as well as the consumer science disciplines (food, clothing and interior); and</li> <li>• demonstrate an ethically correct attitude with regard to the manner in which they undertake and present consumer-directed study.</li> </ul>		
<p>Mode of delivery: Full-time / Part-time – Contact.</p>		

<b>Module code: VOED676</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 7</b>
Title: Nutrigenetics		
<p><b>Module outcomes:</b> After the module has been completed, the student should be able to:</p> <ul style="list-style-type: none"> <li>• display an extensive and systematic knowledge in the field of Critically evaluate and analyse the interaction of different known genetic and epigenetic deviations within the diet and their effect on nutrition-related illnesses;</li> <li>• apply the specific knowledge of human molecular genetics (DNA, chromosome function and structure, as well as the central dogma of molecular biology) in the development of</li> </ul>		

<p>“personal” diets for the improvement of individual as opposed to public health;</p> <ul style="list-style-type: none"> <li>• apply a cohesive and critical knowledge of the most important terms, rules, concepts, principles and theories of population genetics in a nutrition genetics context with respect to public health;</li> <li>• understand the ethical, legal and social implications of “nutrigenetics” research and individual nutrition when an experimental strategy is selected and implemented by using the most important techniques in human molecular genetics; and</li> <li>• develop communication and presentation skills through scientific debate on current and relevant nutrigenetics topics by means of a seminar in order to develop his or her own opinion and defend it scientifically.</li> </ul>
<p><b>Mode of delivery:</b> Full-time / Part-time – Contact.</p>
<p><b>Assessment methods:</b> Integrated assessment to ensure that the aim of the qualification is achieved will take place through various strategies:</p> <ul style="list-style-type: none"> <li>• individual as well as group assignments involving creativity, knowledge retrieval and application using appropriate methods and implementation of a computer, group communication and reporting that will contribute to a participation mark;</li> <li>• individual and group discussions in class that, with reference to the previous point, will assess the development of the student’s scientific communication skills that contribute to a participation mark;</li> <li>• written and/or oral mid-year and final exams on theoretical subject knowledge, practical problem-solving skills and experimental abilities – questions that test critical outcomes like the identification and solving of problems, responsible decision-making and critical and creative reasoning, which contribute to the participation mark, are emphasised in particular;</li> <li>• a research report proving that the student is familiar with the scientific research method and the documentation thereof, contributes to the module mark;</li> <li>• exams are written at the end of each semester during official exam times, as applicable;</li> <li>• all exams (papers), as well as the research report, are moderated externally after each examination;</li> <li>• only one exam will be written by all students on the same day at the same time, with the second opportunity paper as the only alternative option; and</li> <li>• students may apply to the exam division (or appropriate division) to write exams at examination centres other than the Pochefstroom Campus.</li> </ul>

<b>Module code: VOED677</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 7</b>
Title: Nutrition Epidemiology		
<p><b>Module outcomes:</b> After the module has been completed, the student should be able to:</p> <ul style="list-style-type: none"> <li>• demonstrate extensive and systematic knowledge of nutrition epidemiology by explaining the main theoretical and conceptual frameworks within nutrition epidemiology;</li> <li>• conduct epidemiological studies in the field of nutrition while the strengths and limitations of the method are taken into consideration;</li> <li>• define the exposure and outcomes of the nutritional status of a population, the epidemiological approach to the cause of diseases, and the methodological</li> </ul>		

<p>considerations in the planning of the study; and</p> <ul style="list-style-type: none"> <li>in an independent, ethical and responsible manner, carry out an epidemiological analysis of the nutritional disparity in the world of health and communicate the results to the community and leaders with the aid of electronic media.</li> </ul>
<p><b>Mode of delivery:</b> Full-time / Part-time – Contact.</p>
<p><b>Assessment methods:</b> Integrated assessment to ensure that the aim of the qualification is achieved will take place through various strategies:</p> <ul style="list-style-type: none"> <li>individual as well as group assignments involving creativity, knowledge retrieval and application using appropriate methods and implementation of a computer, group communication and reporting that will contribute to a participation mark;</li> <li>individual and group discussions in class that, with reference to the previous point, will assess the development of the student's scientific communication skills that contribute to a participation mark;</li> <li>written and/or oral mid-year and final exams on theoretical subject knowledge, practical problem-solving skills and experimental abilities – questions that test critical outcomes like the identification and solving of problems, responsible decision-making and critical and creative reasoning, which contribute to the participation mark, are emphasised in particular;</li> <li>a research report proving that the student is familiar with the scientific research method and the documentation thereof, contributes to the module mark;</li> <li>exams are written at the end of each semester during official exam times, as applicable;</li> <li>all exams (papers), as well as the research report, are moderated externally after each examination;</li> <li>only one exam will be written by all students on the same day at the same time, with the second opportunity paper as the only alternative option; and</li> <li>students may apply to the exam division (or appropriate division) to write exams at examination centres other than the Pochefstroom Campus.</li> </ul>

<b>Module code: VOED678</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 7</b>
Title: Research report		
<p><b>Module outcomes:</b> After the module has been completed, the student should be able to:</p> <ul style="list-style-type: none"> <li>demonstrate extensive and systematic knowledge and understanding of a variety of research methods, techniques and technologies in order to make the correct choice for the specific nutrition-related research question that has to be answered;</li> <li>apply the above knowledge to develop and process current research and peer-reviewed publications in an effective and efficient way in order to use it in own research;</li> <li>demonstrate capabilities to identify problems with regard to nutrition, analyse and evaluate them critically, collect and process the necessary quantitative and/or qualitative data and introduce ethically responsible solutions; and</li> <li>demonstrate skills to present and communicate professional nutrition-related work in an effective way by using a variety of aids for a variety of audiences.</li> </ul>		
<p><b>Mode of delivery:</b> Full-time / Part-time – Contact.</p>		

**Assessment methods:**

Integrated assessment to ensure that the aim of the qualification is achieved will take place through various strategies:

- individual as well as group assignments involving creativity, knowledge retrieval and application using appropriate methods and implementation of a computer, group communication and reporting that will contribute to a participation mark;
- individual and group discussions in class that, with reference to the previous point, will assess the development of the student's scientific communication skills that contribute to a participation mark;
- written and/or oral mid-year and final exams on theoretical subject knowledge, practical problem-solving skills and experimental abilities – questions that test critical outcomes like the identification and solving of problems, responsible decision-making and critical and creative reasoning, which contribute to the participation mark, are emphasised in particular;
- a research report proving that the student is familiar with the scientific research method and the documentation thereof, contributes to the module mark;
- exams are written at the end of each semester during official exam times, as applicable;
- all exams (papers), as well as the research report, are moderated externally after each examination;
- only one exam will be written by all students on the same day at the same time, with the second opportunity paper as the only alternative option; and
- students may apply to the exam division (or appropriate division) to write exams at examination centres other than the Pochefstroom Campus.

<b>Module code: VOED679</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 7</b>
Title: Nutrition at public health level		
<b>Module outcomes:</b>		
At the end of the module the student should be able to:		
<ul style="list-style-type: none"> <li>• demonstrate comprehensive and systematic knowledge and understanding of the complex relationship between nutrition and health, and both supernutrition and malnutrition; This includes the nutrition transition in developing countries, as well as the exceptional vulnerability for chronic lifestyle diseases in developing populations, the extra burden of illness, and the global and South African incidence figures of diseases; The student should also understand the factors contributing to nutritional security and the influence of nutritional security on nutritional status;</li> <li>• demonstrate a coherent and critical understanding of nutritional epidemiology and the determination of nutritional status within the public health framework;</li> <li>• evaluate and interpret dietary intake data in epidemiological studies;</li> <li>• demonstrate comprehensive knowledge on food and food policies and analyse the policy critically in order to apply it to problem-solving in case studies; and</li> <li>• analyse the most pertinent public health nutritional problems in South Africa and apply a scientifically based health nutrition cycle in order to interpret existing knowledge, formulate goals and communicate responsible conclusions and recommendations.</li> </ul>		
<b>Mode of delivery:</b>		
Full-time / part-time – Contact.		
<b>Assessment methods:</b>		
Integrated assessment to ensure that the aim of the qualification is achieved will take place		

through various strategies:

- individual as well as group assignments involving creativity, knowledge retrieval and application using appropriate methods and implementation of a computer, group communication and reporting that will contribute to a participation mark;
- individual and group discussions in class that, with reference to the previous point, will assess the development of the student's scientific communication skills that contribute to a participation mark;
- written and/or oral mid-year and final exams on theoretical subject knowledge, practical problem-solving skills and experimental abilities – questions that test critical outcomes like the identification and solving of problems, responsible decision-making and critical and creative reasoning, which contribute to the participation mark, are emphasised in particular;
- a research report proving that the student is familiar with the scientific research method and the documentation thereof, contributes to the module mark;
- exams are written at the end of each semester during official exam times, as applicable;
- all exams (papers), as well as the research report, are moderated externally after each examination;
- only one exam will be written by all students on the same day at the same time, with the second opportunity paper as the only alternative option; and

students may apply to the exam division (or appropriate division) to write exams at examination centres other than the Pochefstroom Campus.

Module code: VOED680	Semester 1 and 2	NQF-Level: 7
Title: Advanced Nutrition		
<b>Module outcomes:</b>		
After the module has been completed, the student should be able to:		
<ul style="list-style-type: none"> <li>• demonstrate extensive and systematic knowledge of the evidence-based process that is used to make health claims or public health recommendations; The student must also be able to give reasons for the contribution of different study designs in this process;</li> <li>• write a systematic review about a specific topic by comprehensively and systematically collecting and processing all the literature published on a specific topic; The quality of the research methodology must also be critically evaluated;</li> <li>• interpret scientific evidence and make justifiable scientifically based conclusions and recommendations through scientific communication of the process and the evidence (written); and</li> <li>• implement knowledge and skills regarding the above in an ethically accountable manner.</li> </ul>		
<b>Mode of delivery:</b>		
Full-time / Part-time – Contact.		
<b>Assessment methods:</b>		
Integrated assessment to ensure that the aim of the qualification is achieved will take place through various strategies:		
<ul style="list-style-type: none"> <li>• individual as well as group assignments involving creativity, knowledge retrieval and application using appropriate methods and implementation of a computer, group communication and reporting that will contribute to a participation mark;</li> <li>• individual and group discussions in class that, with reference to the previous point, will assess the development of the student's scientific communication skills that contribute to a participation mark;</li> </ul>		

- written and/or oral mid-year and final exams on theoretical subject knowledge, practical problem-solving skills and experimental abilities – questions that test critical outcomes like the identification and solving of problems, responsible decision-making and critical and creative reasoning, which contribute to the participation mark, are emphasised in particular;
- a research report proving that the student is familiar with the scientific research method and the documentation thereof, contributes to the module mark;
- exams are written at the end of each semester during official exam times, as applicable;
- all exams (papers), as well as the research report, are moderated externally after each examination;
- only one exam will be written by all students on the same day at the same time, with the second opportunity paper as the only alternative option; and
- students may apply to the exam division (or appropriate division) to write exams at examination centres other than the Pochefstroom Campus.

Module code: VOED681	Semester 1 and 2	NQF-Level: 7
Title: Sport Nutrition		
<b>Module outcomes:</b>		
After the module has been completed, the student should be able to:		
<ul style="list-style-type: none"> <li>• demonstrate a comprehensive and systematic knowledge base of muscle physiology and energy metabolism during physical activity;</li> <li>• analyse an athlete's food and supplement intake as well as nutritional needs during all seasons;</li> <li>• demonstrate the ability to develop and implement an effective nutrition care plan for adult athletes according to specific needs and based on guidelines for successful nutrition for sport performance; and</li> <li>• communicate with athletes as well as their parents and coaches in an ethically accountable manner.</li> </ul>		
<b>Mode of delivery:</b>		
Full-time / Part-time – Contact.		
<b>Assessment methods:</b>		
Integrated assessment to ensure that the aim of the qualification is achieved will take place through various strategies:		
<ul style="list-style-type: none"> <li>• individual as well as group assignments involving creativity, knowledge retrieval and application using appropriate methods and implementation of a computer, group communication and reporting that will contribute to a participation mark;</li> <li>• individual and group discussions in class that, with reference to the previous point, will assess the development of the student's scientific communication skills that contribute to a participation mark;</li> <li>• written and/or oral mid-year and final exams on theoretical subject knowledge, practical problem-solving skills and experimental abilities – questions that test critical outcomes like the identification and solving of problems, responsible decision-making and critical and creative reasoning, which contribute to the participation mark, are emphasised in particular;</li> <li>• a research report proving that the student is familiar with the scientific research method and the documentation thereof, contributes to the module mark;</li> <li>• exams are written at the end of each semester during official exam times, as applicable;</li> </ul>		

- all exams (papers), as well as the research report, are moderated externally after each examination;
- only one exam will be written by all students on the same day at the same time, with the second opportunity paper as the only alternative option; and
- students may apply to the exam division (or appropriate division) to write exams at examination centres other than the Pochefstroom Campus.

<b>Module code: VVBG671</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 7</b>
Title: Consumer Behaviour		
<b>Module outcomes:</b>		
Upon completion of this module the student should:		
<ul style="list-style-type: none"> <li>• show a coherent and critical comprehension of the principles that apply to consumer behaviour in order to (i) understand the consumer better and critically evaluate this purchasing behaviour and decision-making process, and (ii) make meaningful recommendations based upon this evaluation;</li> <li>• identify, analyse and investigate complex and/or actual problems and questions in consumer behaviour, and also to offer evidence-driven solutions from theory-driven arguments;</li> <li>• have a systematic and extensive knowledge of those aspects pertaining to consumer behaviour that may be applied from within the subject discipline of Consumer Sciences by doing an analysis, synthesis and evaluation of the relevant research literature;</li> <li>• analyse and apply practically the approaches of various authors to the effects of external influences upon consumer behaviour; and</li> <li>• critically analyse and evaluate different models of, and approaches to consumer decision-making, consumer socialising and market segmentation.</li> </ul>		
<b>Mode of delivery:</b>		
Full-time / Part-time – Contact.		
<b>Assessment methods:</b>		
One examination per module.		

<b>Module code: VVDL672</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 7</b>
Title: Food Product Development		
<b>Module outcomes:</b>		
On completion of this module the student should be able to:		
<ul style="list-style-type: none"> <li>• do extensive and systematic theoretical research in the form of literature studies on relevant fields in the NFPD process by analysing and evaluating various sources of information;</li> <li>• identify a potentially new product;</li> <li>• synthesise and integrate relevant information so that the potential product may be fully motivated;</li> <li>• perform all aspects of the development process theoretically;</li> <li>• suggest screening process and use SE as an instrument for this purpose;</li> <li>• set up a complete NPVO flow-chart for the product where all aspects of the complete process may be evaluated thoroughly with evidence-driven arguments;</li> </ul>		



<ul style="list-style-type: none"> <li>• develop a product in terms of the above-mentioned diagram and test its acceptability among consumers;</li> <li>• suggest various launching methods; and</li> <li>• present the complete project in a scientific fashion as a mini research project with a business plan in the form of a written report.</li> </ul>
<b>Mode of delivery:</b> Full-time / Part-time – Contact.
<b>Assessment methods:</b> One examination per module.

<b>Module code: VVDL673</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 7</b>
Title: Consumer Behaviour in Food		
<b>Module outcomes:</b> Upon completion of this module the student should: <ul style="list-style-type: none"> <li>• show a coherent and critical comprehension of the principles, as well as various types of consumer behaviour regarding food, so that (i) possible solutions / recommendations for specific consumer problems in the food industry / retail trade may be offered, and (ii) the implications for consumer behaviour of food-related phenomena, factors and events based on these may be critically evaluated;</li> <li>• identify and analyse complex and/or actual problems and questions in the food industry and consumer sciences, and also to offer evidence-driven solutions from theory-driven arguments;</li> <li>• have extensive and systematic knowledge of consumer behaviour so that you may apply it practically to specific components of the food industry through the analysis, evaluation, synthesis and integration of information, which will enable you to handle similar questions in practice;</li> <li>• identify, analyse and critically evaluate and justify with evidence-driven arguments research literature relevant to the field of food; and</li> <li>• demonstrate an ethically correct attitude with regard to the manner in which you approach the consumer by making recommendations that are ethically acceptable to both parties.</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> One examination per module.		

<b>Module code: VVOO671</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 7</b>
Title: Adult Education and Training		
<b>Module outcomes:</b> Upon completion of this module the student should be able to: <ul style="list-style-type: none"> <li>• demonstrate effective skills at retrieving, processing, interpreting and integrating information with regard to academic literature relevant to adult education and training;</li> <li>• have comprehensive and systematic knowledge and skills that will enable you to function within an adult education and training environment by integrating, analysing and evaluating the relation between community education programmes, capacity building and</li> </ul>		

<p>empowerment;</p> <ul style="list-style-type: none"> <li>• have knowledge of certain aspects of the South African Qualifications Organisation, as well as related structures, and be able to apply this in the work environment;</li> <li>• demonstrate an ethically correct attitude towards the application of adult education and training;</li> <li>• demonstrate the principles and values underlying consumer behaviour as well as adult education and training in an academically professional context, as well as a follow-up report, and communicate it orally to a variety of audiences by using different genres appropriate to the context;</li> <li>• have a systematic and extensive knowledge of adult education and training; and consequently be able to compile criteria to which adult education and training programmes must comply;</li> <li>• study and evaluate different ways in which adult education and training programmes are compiled and presented, as well as make recommendations concerning the most successful methods;</li> <li>• analyse within the context the relation between community development, community education and training, capacity building and empowerment, and give your own opinion regarding its success or otherwise;</li> <li>• study and analyse intervention research, compile your own intervention programme for a community, and present it with the required and appropriate resources;</li> <li>• recommend and apply the latest methods for evaluation and assessment;</li> <li>• give an overview of adult basic education and training (ABET) and learnerships as applied in South Africa;</li> <li>• give an overview of adult basic education and training (not an in-depth study); as well as</li> <li>• analyse and evaluate adult education and training as part of the consumer scientist's task, and also make recommendations to execute it with the greatest possible success.</li> </ul>
<p><b>Mode of delivery:</b> Full-time / Part-time – Contact.</p>
<p><b>Assessment methods:</b> One examination per module</p>

Module code: FLGX871	Semester 1 and 2	NQF-Level: 8b
Title: Dissertation (Physiology)		
<p><b>Module outcomes:</b> At the end of the module the student should be able to:</p> <ul style="list-style-type: none"> <li>• demonstrate advanced knowledge and skills to identify a relevant research question within the field of Cardiovascular Physiology;</li> <li>• plan and carry out a suitable quantitative and/or qualitative research design in a scientific and ethical manner by using suitable research methods, techniques and procedures; and</li> <li>• interpret the research findings in a scientifically accountable manner and use them to compile a research report.</li> </ul>		
<p><b>Mode of delivery:</b> Full-time / Part-time – Contact.</p>		
<p><b>Assessment methods:</b> Internal and external evaluation according to NWU policy.</p>		

<b>Module code: FLGX873</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8a</b>
Title: Mini-Dissertation (Occupational Hygiene)		
<b>Module outcomes:</b> At the end of the module the student should be able to:		
<ul style="list-style-type: none"> <li>• demonstrate advanced knowledge and skills to identify a relevant research question within the field of Occupational hygiene and safety;</li> <li>• plan and carry out a suitable quantitative and/or qualitative research design in a scientific and ethical manner by using suitable research methods, techniques and procedures; and</li> <li>• interpret the research findings in a scientifically accountable manner and use them to compile a research report.</li> </ul>		
<b>Mode of delivery:</b> Full-time – Contact.		
<b>Assessment methods:</b> Internal and external evaluation according to NWU policy.		

<b>Module code: FLGX884</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8a</b>
Title: Occupational Hygiene Monitoring B		
<b>Module outcomes:</b> At the end of the module the student should be able to:		
<ul style="list-style-type: none"> <li>• estimate the health risk posed by certain environmental factors in the workplace; and</li> <li>• identify, quantify and control such risk.</li> </ul>		
<b>Mode of delivery:</b> Full-time – Contact.		
<b>Assessment methods:</b> One examination per module.		

<b>Module code: FLGX885</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8a</b>
Title: Vibration, Heat and Ergonomic Factors		
<b>Module outcomes:</b> At the end of the module the student should be able to:		
<ul style="list-style-type: none"> <li>• identify poor ergonomic work practices as well as vibration and exposure to heat/cold;</li> <li>• make relevant recommendations with regard to workplace design and the ergonomically correct handling of tools; and</li> <li>• demonstrate the necessary knowledge to protect workers against exposure to heat and cold by means of different physical methods as well as acclimatisation.</li> </ul>		
<b>Mode of delivery:</b> Full-time – Contact.		
<b>Assessment methods:</b> One examination per module.		

<b>Module code: FLGX886</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8a</b>
Title: Labour Legislation		

<p><b>Module outcomes:</b> At the end of the module the student should be able to:</p> <ul style="list-style-type: none"> <li>• demonstrate knowledge applicable to occupational hygiene, including the Occupational Health and Safety Act, Mine Health and Safety Act, appropriate regulations and the NIOSH's Occupational Exposure Sampling Strategy Manual (OESSM).</li> </ul>
<p><b>Mode of delivery:</b> Full-time – Contact.</p>
<p><b>Assessment methods:</b> One examination per module.</p>

<b>Module code: FLGX887</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8a</b>
Title: Personal Protection Equipment and Radiation		
<p><b>Module outcomes:</b> At the end of the module the student should be able to:</p> <ul style="list-style-type: none"> <li>• identify and quantify the different types of radiation; and</li> <li>• demonstrate the required knowledge to protect the worker in general against harmful environmental factors.</li> </ul>		
<p><b>Mode of delivery:</b> Full-time – Contact.</p>		
<p><b>Assessment methods:</b> One examination per module.</p>		

<b>Module code: VERB872</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8b</b>
Title: Dissertation (Consumer Sciences)		
<p><b>Module outcomes:</b> After completing this module you should have the following skills at your disposal:</p> <ul style="list-style-type: none"> <li>• extended and systematic knowledge of the field of consumer sciences with specialist knowledge of research methodology and consumer behaviour, as well as the professional practice of research methodology;</li> <li>• coherent and critical insight into the theory, research methodology and techniques of consumer behaviour research; the ability to offer principled criticism, evaluate research, and participate in scientific debate; the ability to link theory to practice and vice versa, and to think epistemologically;</li> <li>• mastering of the research methods, techniques and technologies applicable to consumer sciences;</li> <li>• the ability to identify, analyse and address complex consumer problems in real life by the creative and systematic utilising of theory, research methods and literature;</li> <li>• advanced skills in the processing of information by the application of critical analysis, synthesis and independent evaluation in a review paper, and the ability to undertake and complete, with supervision, a literature survey; and</li> <li>• the ability to present and communicate either literature-based or empirical research results to specialist or lay audiences, by using professional academic discourse.</li> </ul>		
<p><b>Mode of delivery:</b> Full-time / Part-time – Contact.</p>		
<p><b>Assessment methods:</b> Internal and external evaluation according to NWU policy.</p>		

<b>Module code: VERB873</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8a</b>
Title: Mini-dissertation (Consumer Sciences)		
<b>Module outcomes:</b>		
After completing this module you should have the following skills at your disposal:		
<ul style="list-style-type: none"> <li>• extended and systematic knowledge of the field of consumer sciences with specialist knowledge of research methodology and consumer behaviour, as well as the professional practice of research methodology;</li> <li>• coherent and critical insight into the theory, research methodology and techniques of consumer behaviour research; the ability to offer principled criticism, evaluate research, and participate in scientific debate; the ability to link theory to practice and vice versa, and to think epistemologically;</li> <li>• mastering of the research methods, techniques and technologies applicable to consumer sciences;</li> <li>• the ability to identify, analyse and address complex consumer problems in real life by the creative and systematic utilising of theory, research methods and literature;</li> <li>• advanced skills in the processing of information by the application of critical analysis, synthesis and independent evaluation in a review paper, and the ability to undertake and complete, with supervision, a literature survey; and</li> <li>• the ability to present and communicate either literature-based or empirical research results to specialist or lay audiences, by using professional academic discourse.</li> </ul>		
<b>Mode of delivery:</b>		
Full-time / Part-time – Contact.		
<b>Assessment methods:</b>		
Internal and external evaluation according to NWU policy.		

<b>Title: VGHB874</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 7</b>
Title: Advanced Consumer Resource Management		
<b>Module outcomes:</b>		
Upon completion of this module the student should have:		
<ul style="list-style-type: none"> <li>• extended and systematic knowledge of consumer resource management, with specialist knowledge of the consumer's needs;</li> <li>• the ability to offer principled criticism, evaluate ongoing research, and participate in academic debate; and also the ability to link theory to practice and vice versa, and to think epistemologically;</li> <li>• the ability to identify, analyse and address complex consumer problems in real life by the creative and systematic utilising of theory, research methods and literature;</li> <li>• advanced skills in the processing of information by the application of critical analysis, synthesis and independent evaluation in a review paper, and the ability to undertake and complete, with supervision, a literature survey; and</li> <li>• the ability to present literature to specialist and lay audiences, in the format of professional academic discourse.</li> </ul>		
<b>Mode of delivery:</b>		
Full-time / Part-time – Contact.		
<b>Assessment methods:</b>		

One examination per module.

Module code: VKLE874	Semester 1 and 2	NQF-Level: 8a
Title: Advanced textiles		
<b>Module outcomes:</b> Upon completion of this module the student should:		
<ul style="list-style-type: none"><li>• have an extended and systematic knowledge of textiles, with specialist knowledge of the development of textiles as well as certain focus areas;</li><li>• have the ability to offer principled criticism, evaluate ongoing research, and participate in academic debate; the ability to link theory to practice and vice versa, and to think epistemologically;</li><li>• have the ability to identify, analyse and address complex consumer problems in real life by the creative and systematic utilising of theory, research methods and literature;</li><li>• have advanced skills in the processing of information by the application of critical analysis, synthesis and independent evaluation in a review paper, and the ability to undertake and complete, with supervision, a literature survey; and</li><li>• have the ability to present literature and communicate it to specialist and lay audiences, by utilising professional academic discourse.</li></ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> One examination per module.		

Module code: VKLE878	Semester 1 and 2	NQF-Level: 8a
Title: Specialised Fashion Industry		
<b>Module outcomes:</b> Upon completion of this module the student should:		
<ul style="list-style-type: none"><li>• have an extended and systematic knowledge of the fashion industry, with specialist knowledge of the consumer's needs;</li><li>• have the ability to offer principled criticism, evaluate ongoing research, and participate in academic debate; the ability to link theory to practice and vice versa, and to think epistemologically;</li><li>• have the ability to identify, analyse and address complex consumer problems in real life by the creative and systematic utilising of theory, research methods and literature;</li><li>• have advanced skills in the processing of information by the application of critical analysis, synthesis and independent evaluation in a review paper, and the ability to undertake and complete, with supervision, a literature survey; and</li><li>• have the ability to present literature and communicate it to specialist and lay audiences, by utilising professional academic discourse.</li></ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> One examination per module.		

<b>Module code: VVDL874</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8a</b>
Title: Advanced Food		
<b>Module outcomes:</b> Upon completion of this module the student should:		
<ul style="list-style-type: none"> <li>• have an extended and systematic knowledge of food, with specialist knowledge of relevant international food-related trends;</li> <li>• be able to show coherent and critical insight into the field of applied food through the ability to offer principled criticism on the various areas in order to wage an academic debate on these;</li> <li>• have the ability to identify, analyse and address the complexity of the problem as presented in the assignment, and the relevant problems and questions on South Africa (or Sub Saharan Africa) by the creative and systematic utilising of theory, research methods and literature;</li> <li>• show the ability to present and communicate either literature-based or empirical research results to specialist or lay audiences; and</li> <li>• integrate sources analytically and critically; be able to motivate and justify his/her own point of view, and evaluate that of others.</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> One examination per module.		

<b>Module code: VNAV876 and VERB876</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8b</b>
Title: Consumer Behaviour and Research Methodology		
<b>Module outcomes:</b> Upon completion of this module the student should have:		
<ul style="list-style-type: none"> <li>• An extended and systematic knowledge of the field of consumer sciences with specialist knowledge of research methodology and consumer behaviour, as well as the professional practise of research methodology;</li> <li>• Coherent and critical insight into the theory, research methodologies and techniques of consumer behaviour research; the ability to offer principled criticism, evaluate ongoing research, and participate in academic debate; the ability to link theory to practice and vice versa, and to think epistemologically;</li> <li>• Mastering of the research methods, techniques and technologies applicable to consumer sciences;</li> <li>• The ability to identify, analyse and address complex consumer problems in real life by the creative and systematic utilising of theory, research methods and literature;</li> <li>• Advanced skills in the processing of information by the application of critical analysis, synthesis and independent evaluation in a review paper, and the ability to undertake and complete, with supervision, a literature survey;</li> <li>• The ability to present and communicate either literature-based or empirical research results to specialist or lay audiences, by using professional academic discourse.</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		

<b>Assessment methods:</b> One examination per module.
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Module code: VOED873	Semester 1 and 2	NQF-Level: 8a
Title: Mini-dissertation (Dietetics)		
<b>Module outcomes:</b> Upon completion of this module the student should: <ul style="list-style-type: none"> <li>• have specialist knowledge of the field of dietetics/nutrition as theory and subject-field, understand and apply research methodology and techniques to critically evaluate current research and on theoretical grounds participate in professional academic discussions;</li> <li>• undertake literature driven and analytical research in an ethical and professional manner and under the supervision of an academic leader,</li> <li>• communicate research results and outcomes to specialist- or lay audiences by utilising professional academic discourse and and write a dissertation on the basis of these findings which comply to the standards of professional academic writing.</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> Internal and external examination according to the NWU policy.		

Module code: VOED874	Semester 1 and 2	NQF-Level: 8a
Title: Community Nutrition		
<b>Module outcomes:</b> Upon completion of this module the student should: <ul style="list-style-type: none"> <li>• demonstrate extensive and systematic knowledge on the complex relation between nutrition and health with regard to malnutrition (over- and under feeding). Included are nutrition transition in developmental countries, as well as the exceptional vulnerability in the lifestyle of developmental populations concerning chronic illnesses, the double burden of illnesses, and global as well as South African figures of appearing illnesses. The student should also understand the factors contributing to food security and the influence of food security on nutrition status;</li> <li>• identify the most relevant public health problems in South Africa, analyse, evaluate and apply the public health-nutrition cycle to develop ethical accountable programmes offering innovative solutions for identified problems;</li> <li>• show a complete understanding concerning the complexity of and need for a comprising food- and nutrition policy, and be able to critically evaluate and analyse factors influencing food- and nutrition policy, and develop an accountable, scientifically founded food- and nutrition policy for South Africa.</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> Written and practical assignments, PowerPoint presentations, written exams (semester test as well as examination).		



<b>Module code: VOED875</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8a</b>
Title: Advanced Nutrition Science		
<b>Module outcomes:</b> Upon completion of this module the student should:		
<ul style="list-style-type: none"> <li>• reflect an advanced understanding of the evidence based process used to make health claims or health recommendations, and be able to motivate the contributions of different study designs in the process;</li> <li>• partially experience the evidence-based process through writing of a qualitative, systematic review/report on a specific subject;</li> <li>• systematically collect and process all published literature concerning a specific subject;</li> <li>• critically evaluate the quality of research methodology concerning published articles;</li> <li>• interpret scientific results to define scientifically grounded conclusions and recommendations;</li> <li>• scientifically communicate the process and results in writing.</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> Written and practical assignments, PowerPoint presentations, written exams (semester test as well as examination).		

<b>Module code: VOED876</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8a</b>
Title: Sport Nutrition		
<b>Module outcomes:</b> Upon completion of this module the student should:		
<ul style="list-style-type: none"> <li>• have extensive and systematic knowledge on the different muscle tissue and their function, energy systems contributing to energy production during the physical activity and regulatory factors involved in energy metabolism, exercise inducive oxidative stress and anti-oxidants, macronutrients and energy needs, micronutrients, nutritional ergogenics and sport supplements and the female athlete triade, and</li> <li>• be able to analyse the nutritional needs of athletes and implement a nutrition care plan, based on ethical principles during all seasons;</li> <li>• Demonstrate the ability to develop an effective nutrition care programme for an athlete and athletic team according to their specific needs based on the guidelines of successful nutrition to enhance sport performance, and professionally discuss his/her theory-based solution.</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> Written and practical assignments, PowerPoint presentations, written exams (semester test as well as examination).		

<b>Module code: VOED877</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8a</b>
Title: Therapeutic Nutrition		
<b>Module outcomes:</b> Upon completion of this module the student should:		
<ul style="list-style-type: none"> <li>• Demonstrate an extensive knowledge of the patho-physiology of the relevant respiratory illnesses, kidney diseases, type 1 and 2 diabetes in children, insulin resistance and digestive system surgery in babies;</li> <li>• be able to analyse the role of specific nutrients in the presentation of relevant diseases;</li> <li>• calculate and implement a nutrition care plan for patients with relevant illnesses;</li> <li>• reflect competency to critically evaluate current advisory programmes and the application thereof in the South African context;</li> <li>• be able to evaluate current literature concerning a specific therapeutic nutrition subject and to reach consensus;</li> <li>• be able to contribute as part of a medical team in a discussion during ward rounds.</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> Written and practical assignments, PowerPoint presentations, written exams (semester test as well as examination).		

<b>Module code: VOED871</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8b</b>
Title: Dissertation (Dietetics)		
<b>Module outcomes:</b> Upon completion of this module the student should:		
<ul style="list-style-type: none"> <li>• have specialist knowledge concerning critical health problems in the field of nutrition;</li> <li>• during a discussion, criticize and evaluate theories, research methodologies and – techniques related to recent nutrition research, and illustrate the ability to reconcile practise with theory, and visa versa;</li> <li>• master the implementation of research methods, -techniques and technical principles applicable to nutrition, and demonstrate the ability to undertake a research project under supervision, and conclude results in writing;</li> <li>• show competency concerning the exploitation and processing of information by means of the following principles: identification, critical analysis, synthesis and independent evaluation of quantitative and/or qualitative data; under supervision undertake a study of literature and recent research in a specialist nutritional area;</li> <li>• interpret research findings in a scientifically accountable manner and write a dissertation on the basis thereof whilst contributing to the knowledge of and insight in the subject field.</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> External and internal examining according to the NWU policy.		

<b>Module code: VOED880</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8a</b>
Title: Nutrition support of the paediatric patient		
<b>Module outcomes:</b> The outcomes of this module are available in the relevant study guide as well as on request at the subject group Nutrition in Building G16.		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> External and internal examining according to the NWU policy.		

<b>Module code: VOED882</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8a</b>
Title: Nutrition support of the critically ill		
<b>Module outcomes:</b> The outcomes of this module are available in the relevant study guide as well as on request at the subject group Nutrition in Building G16.		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> External and internal examining according to the NWU policy.		

<b>Module code: DIET971</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8c</b>
Title: Thesis (Dietetics)		
<b>Module outcomes:</b> Upon completion of this module the student should have: <ul style="list-style-type: none"> <li>• practice on the highly skilled level as dietician;</li> <li>• act as a leader in the profession and also during functioning in the profession;</li> <li>• solve problems;</li> <li>• guide and lead research programmes;</li> <li>• act as study leader or co-leader for students up the PhD level;</li> <li>• recruit research funds; and</li> <li>• introduce research results through presentations and publications in subject related periodicals/magazines.</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> External and internal examining according to the NWU policy.		

Module code: FLGB971	Semester 1 and 2	NQF-Level: 8c
Title: Thesis (Occupational Hygiene)		
<b>Module outcomes:</b> After the module has been completed, the student should:		
<ul style="list-style-type: none"> <li>• be equipped with advanced knowledge and skills in order to identify a relevant research question within the field of Occupational Hygiene and Safety;</li> <li>• plan and execute a suitable quantitative and/or qualitative research design by using suitable research methods, techniques and procedures in a scientific and ethical way; and</li> <li>• interpret the research findings in a scientifically accountable manner and write a thesis on the basis of these findings.</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> Evaluation by two external and one internal examiner.		

Module code: FLGX971	Semester 1 and 2	NQF-Level: 8c
Title: Thesis (Physiology)		
<b>Module outcomes:</b> After the module has been completed, the student should:		
<ul style="list-style-type: none"> <li>• be equipped with advanced knowledge and skills in order to identify a relevant research question within the field of Cardiovascular Physiology;</li> <li>• plan and execute a suitable quantitative and/or qualitative research design by using suitable research methods, techniques and procedures in a scientific and ethical way; and</li> <li>• interpret the research findings in a scientifically accountable manner and write a thesis on the basis of these findings.</li> </ul>		
<b>Mode of delivery:</b> Full-time – Contact.		
<b>Assessment methods:</b> Evaluation by two external examiners and one internal examiner.		

Module code: VERB971	Semester 1 and 2	NQF-Level: 8c
Title: Thesis (Consumer Science)		
<b>Module outcomes:</b> After completion of this module, you should have the following skills:		
<ul style="list-style-type: none"> <li>• a comprehensive, extensive and systematic knowledge of the consumer sciences field, with specialist knowledge of research methodology and consumer behaviour, as well as professional research methodology practice;</li> <li>• coherent and critical insight into advanced theories and research methodologies, as well as techniques of consumer behaviour research; the ability to debate about and evaluate leading specialist research; the ability to link and integrate theory with practice, and to think epistemologically;</li> <li>• the ability to demonstrate substantial independent research and advanced learning by</li> </ul>		

<ul style="list-style-type: none"> <li>expanding the personal knowledge basis and by exposing research to peer evaluation;</li> <li>the ability to identify, conceptualise and design complex consumer problems (consumer research) and issues; and</li> <li>advanced information processing skills and the ability to apply critical and independent evaluation, as well as to initiate and execute a literature study independently.</li> </ul>
<b>Mode of delivery:</b> Full-time – Contact.
<b>Assessment methods:</b> Evaluation by two external examiners and one internal examiner.

<b>Module code: VOED971</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8c</b>
Title: Thesis (Nutrition)		
<b>Module outcomes:</b> After the module has been completed, the student should: <ul style="list-style-type: none"> <li>demonstrate proof of a meaningful contribution to the development of: <ul style="list-style-type: none"> <li>new scientific knowledge and/or,</li> <li>new skills in a specific research field;</li> </ul> </li> <li>utilise the qualification in the provision of scientific researchers for South Africa, who dispose of extended theoretical knowledge and practical skills in the science of nutrition and also contribute to extend leadership in innovative and core-based nutrition care in the country.</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> External and internal examining according to NWU policy.		

#### G.2.4 SCHOOL OF PSYCHOSOCIAL BEHAVIOURAL SCIENCES

<b>Module code: PSYC671</b>	<b>Semester 1</b>	<b>NQF-Level: 7</b>
Title: Psychometrics		
<b>Module outcomes:</b> After completion of the module successful students should be able to: <ul style="list-style-type: none"> <li>demonstrate a comprehensive and systematic knowledge base and critical understanding of factors that helped shape psychological assessment internationally and in South Africa, and which continue to steer it today, as well as the nature and process of psychological evaluation;</li> <li>demonstrate the skill to rate the utility of tests according to their psychometric properties, and evaluate and interpret the performance of individuals in various tests or test batteries (Students should also be able to use the basic properties and technical requirements of tests, including the way in which tests and their testing norms are developed, as individuals and in group context, to develop a new psychological measuring instrument to be used in a complex and real-life problem situation.);</li> <li>demonstrate the ability to combine test scores, do cross-cultural test adjustments and</li> </ul>		

<p>interpret these; manage tests and ethical standards; take care of administrative arrangements involved in assessment procedures; and communicate test results to an audience of peers in the form of written research reports, or orally while using appropriate IT;</p> <ul style="list-style-type: none"> <li>• demonstrate the ability, individually or in group context, to undertake appropriate literature searches to serve as frame of reference when reasoning about the above aspects; and</li> <li>• reflect on the impact of the study material on the self as a person and as a future care giver.</li> </ul>
<p><b>Mode of delivery:</b> Contact teaching – only full-time.</p>
<p><b>Assessment methods:</b> Written assignments, class activities, group- and individual work, as well as a formal examination.</p>

Module code: PSYC672	Semester 1	NQF-Level: 7
Title: Psychological Evaluation		
<p><b>Module outcomes:</b> After completion of the module successful students should be able to:</p> <ul style="list-style-type: none"> <li>• demonstrate a comprehensive and systematic knowledge base and critical understanding of the processes of psychological evaluation aimed at providing an holistic picture of the child, adolescent and/or adult;</li> <li>• demonstrate a coherent and critical understanding of various methods of evaluating psychological functioning and apply them ethically;</li> <li>• apply a comprehensive knowledge of the core methods of psychological evaluation to clearly defined unfamiliar case studies;</li> <li>• critically evaluate qualitative and quantitative outcomes of psychological evaluation and synthesise them into a conclusion contained in a well-structured report meant for a probable reader; and</li> <li>• demonstrate the ability independently to garner information from appropriate research articles and other reliable sources, critically to analyse the information and synthesise it, and to present findings in relevant academic and professional discourse.</li> </ul>		
<p><b>Mode of delivery:</b> Contact teaching – only full-time.</p>		
<p><b>Assessment methods:</b> Written assignments, class activities, group- and individual work, as well as a formal examination.</p>		

Module code: PSYC673	Semester 1	NQF-Level: 7
Title: Applied Positive Psychology		
<p><b>Module outcomes:</b> After completion of the module successful students should be able to:</p> <ul style="list-style-type: none"> <li>• demonstrate a comprehensive knowledge base of Positive Psychology/Psychofortology as a movement in the field of Psychology, as well as the important paradigms, theories,</li> </ul>		

<p>concepts and ethical aspects that have a bearing on psychological health, and to apply them in order to identify and facilitate the functioning of the self and others in a multicultural context;</p> <ul style="list-style-type: none"> <li>• apply relevant theories/research in cultural context while being sensitive to biopsychological coherence in order to contextualise behavioural problems and facilitate psychosocial wellness from a positive psychological/psychofortological perspective;</li> <li>• demonstrate the ability to resolve complex and poorly defined modern-day problems that relate to psychological and psychosocial health, by using appropriate procedures and reliable evidence from a critical analysis of various theories in Positive Psychology/Psycfortology, as well as communicate the information in a reliable and coherent manner, both orally and in writing, thereby providing evidence of effective and critical reasoning; and</li> <li>• apply a variety of specifically selected research-based strategies in a moral-ethical and culture-sensitive way in order to promote positive psychological wellness in individuals, groups and communities while recognising important biopsychosocial associations and being sensitive to, among other things, collectivistic and individualistic value systems.</li> </ul>
<p><b>Mode of delivery:</b> Contact teaching – only full-time.</p>
<p><b>Assessment methods:</b> Written assignments, class activities, group- and individual work, as well as a formal examination.</p>

Module code: PSYC674	Semester 1	NQF-Level: 7
Title: Research Psychology		
<p><b>Module outcomes:</b> After completion of the module successful students should be able to:</p> <ul style="list-style-type: none"> <li>• demonstrate understanding of research being planned and carried out from a specific paradigmatic perspective which represents the researcher's philosophic and conceptual framework and which is reflected in his/her assumptions about the world and the research process;</li> <li>• demonstrate a well-funderd knowledge base of all aspects relating to research, as well as the phases of the research process;</li> <li>• apply research skills in a practical and ethical way, thereby demonstrating the ability to effectively select appropriate research methods for collecting and dealing with data in real-life situations;</li> <li>• present the research findings orally in an innovative way, as well as produce a coherent written report which demonstrates a critical understanding of using research-based solutions and theory;</li> <li>• identify when institution variance or two-way ANOVA (analysis of variance) is used; and</li> <li>• identify the purpose of multiple regression methods and differentiate between the various types and assumptions.</li> </ul>		
<p><b>Mode of delivery:</b> Contact teaching – only full-time.</p>		
<p><b>Assessment methods:</b> Written assignments, class activities, group- and individual work, as well as a formal examination.</p>		

Module code: PSYC675	Semester 1	NQF-Level: 7
Title: Intervention Techniques		
<b>Module outcomes:</b> After completion of the module successful students should be able to –		
<ul style="list-style-type: none"> <li>• have an advanced knowledge and understanding of the theory of relevant short-term intervention techniques (six-phase crisis intervention model);</li> <li>• demonstrate the ability to rate intervention theories and effectively apply core procedures, actions and techniques in various socio-cultural contexts;</li> <li>• demonstrate the ability independently to garner information from relevant research articles and other reliable sources, critically analyse and synthesise the information, and present the findings in appropriate academic and professional discourse; and</li> <li>• demonstrate a clear value system and ethical code of conduct in all modes of communication and behaviour.</li> </ul>		
<b>Mode of delivery:</b> Contact teaching – only full-time.		
<b>Assessment methods:</b> Written assignments, class activities, group- and individual work, as well as a formal examination.		

Module code: PSYC676	Semester 1	NQF-Level: 7
Title: Theoretical Perspectives on the Helping Relationship		
<b>Module outcomes:</b> After completion of the module successful students should be able to:		
<ul style="list-style-type: none"> <li>• demonstrate comprehensive knowledge of and insight into various models and processes of psychological aid rendering;</li> <li>• apply this knowledge of various therapeutic theories and techniques to unfamiliar case studies, develop suitable interventions on the basis of theory-driven arguments and communicate them in reports according to the prescribed conventions of the subject; and</li> <li>• demonstrate information garnering and processing skills for finalising written assignments.</li> </ul>		
<b>Mode of delivery:</b> Contact teaching – only full-time.		
<b>Assessment methods:</b> Written assignments, class activities, group- and individual work, as well as a formal examination.		

Module code: PSYC677	Semester 1	NQF-Level: 7
Title: Community Psychology		
<b>Module outcomes:</b> After completion of the module successful students should be able to:		
<ul style="list-style-type: none"> <li>• demonstrate comprehensive and systematic knowledge of what community psychology comprises and what may be regarded as geographic and social communities;</li> <li>• demonstrate competence to suggest appropriate interventions based on the conceptual models for community psychology;</li> </ul>		



<ul style="list-style-type: none"> <li>demonstrate skills to facilitate, plan and evaluate community competence by using suitable research methods; and</li> <li>be sensitive to the contextual embedment of communities in the macro environment characterised by poverty, violence, HIV and homelessness.</li> </ul>
<b>Mode of delivery:</b> Contact teaching – only full-time.
<b>Assessment methods:</b> Written assignments, class activities, group- and individual work, as well as a formal examination.

<b>Module code: PSYC678</b>	<b>Semester 1</b>	<b>NQF-Level: 7</b>
Title: Psychopathology		
<b>Module outcomes:</b> After completion of the module successful students should be able to: <ul style="list-style-type: none"> <li>demonstrate comprehensive knowledge and understanding of Western and African perspectives on the various forms of psychopathology in children, adolescents and adults;</li> <li>demonstrate skills to recognise, analyse and correctly diagnose possible etiologies relating to psychopathology in case studies;</li> <li>make meaningful and relevant referrals for continued and advanced intervention after studying case studies; and</li> <li>demonstrate ethical behaviour in all actions and base these actions on an established value system.</li> </ul>		
<b>Mode of delivery:</b> Contact teaching – only full-time.		
<b>Assessment methods:</b> Written assignments, class activities, group- and individual work, as well as a formal examination.		

<b>Module code: PSYC679</b>	<b>Semester 1</b>	<b>NQF-Level: 7</b>
Title: Ethics and Professional Conduct		
<b>Module outcomes:</b> After completion of the module successful students should be able to: <ul style="list-style-type: none"> <li>demonstrate a comprehensive and systematic knowledge base and critical understanding of the various pieces of legislation, ethical principles and professional codes of conduct that give direction to psychology as a profession, both internationally and in South Africa;</li> <li>demonstrate skills to identify ethical, legal and professional dilemmas in a complex and real-life problem situation and arrive at an acceptable outcome;</li> <li>demonstrate information garnering and processing skills in terms of finalising oral and written assignments; and</li> <li>demonstrate a clear value system and ethical code of conduct in all modes of communication and behaviour.</li> </ul>		
<b>Mode of delivery:</b> Contact teaching – only full-time.		

<p><b>Assessment methods:</b> Written assignments, class activities, group- and individual work, as well as a formal examination.</p>
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<b>Module code: PSYC681</b>	<b>Semester 1</b>	<b>NQF-Level: 7</b>
Title: Facilitation of Community Wellness		
<p><b>Module outcomes:</b> After completion of the module successful students should be able to:</p> <ul style="list-style-type: none"> <li>• demonstrate knowledge and skills to identify needs, shortcomings, strengths and/or sources of individuals, groups or communities, garner information and interpret and analyse the data obtained in this way; and</li> <li>• plan suitable interventions in a way that is ethically responsible on the basis of the data gathered, suggest implementation plans, evaluate interventions and make adjustments according to the available feedback.</li> </ul>		
<p><b>Mode of delivery:</b> Contact teaching – only full-time.</p>		
<p><b>Assessment methods:</b> Written assignments, class activities, group- and individual work, as well as a formal examination.</p>		

<b>Module code: STTN111</b>	<b>Semester 1</b>	<b>NQF-Level: 7</b>
Title: Descriptive Statistics		
<p><b>Module outcomes:</b> After completion of the module successful students should be able to:</p> <ul style="list-style-type: none"> <li>• demonstrate fundamental knowledge of the most important statistical techniques including: sampling, graphic presentation of data, descriptive measures of locality and dispersion, <b>least-squares line fitting</b>, prediction of least squares, correlation coefficient, multiple linear regression (and applying it to predictions and time series data), and demonstrate knowledge of movement components to predict outcomes and take practical considerations into account for sampling and sample size;</li> <li>• demonstrate problem-solving skills in terms of known and unknown problems by using samples, graphic presentation of data, descriptive measures of locality and dispersion, <b>least-squares line fitting</b>, prediction of least squares, correlation coefficients, multiple linear regression, and applying it for purposes of predicting time series data; and</li> <li>• critically compare various methods and techniques including sampling and descriptive measures of locality and dispersion in unfamiliar real-life situations.</li> </ul>		
<p><b>Mode of delivery:</b> Contact teaching – only full-time.</p>		
<p><b>Assessment methods:</b> Written assignments, class activities, group- and individual work, as well as a formal examination.</p>		

Module code: STTN124	Semester 1	NQF-Level: 7
Title: Practical Statistics		
<b>Module outcomes:</b>		
After completion of the module successful students should be able to demonstrate knowledge of, and apply in practice, the following:		
<ul style="list-style-type: none"> <li>• correlation and interpretation of least-squares line fitting, fitting of a regression function, prediction by means of regression function, multiple linear regression and selection of predictors;</li> <li>• factor analysis and analysis of results of factor analysis, interpretation of factor matrices and construct validity;</li> <li>• hypothesis testing, calculation of probability, central limit setting, significance and p-values;</li> <li>• one-way ANOVA testing and the interpretation of results obtained with it;</li> <li>• the practical significance of effect sizes of differences in the means of two populations;</li> <li>• categorical data analysis based on contingency tables, chi-square goodness of fit tests and independence tests;</li> <li>• distribution methods, parametric and non- parametric inferential methods; and</li> <li>• identify statistical concepts in practice, and apply suitable statistical methods to summarise, understand and analyse data by using computer software developed for statistical purposes.</li> </ul>		
<b>Mode of delivery:</b>		
Contact teaching – only full-time.		
<b>Assessment methods:</b>		
Written assignments, class activities, group- and individual work, as well as a formal examination.		

Module Code: PSYC871	Semester 1 and 2	NQF-Level: 7
Title: Dissertation (Psychology)		
<b>Module-outcomes:</b>		
After completion of the module successful students should be able to:		
<ul style="list-style-type: none"> <li>• demonstrate advanced knowledge and skills in the identification of a research question, which may be researched individually or inter-disciplinary;</li> <li>• develop and apply applicable quantitative and/or qualitative formats and procedures, and apply them on a scientific, ethical manner;</li> <li>• interpret and report research results scientifically;</li> <li>• complete the research process by ensuring effective co-operation with other.</li> </ul>		
<b>Mode of delivery:</b>		
Full-time / Part-time – Contact / Distance.		
<b>Assessment methods:</b>		
Evaluation by two external and one internal examiner.		

Module code: PSYC872	Semester 1 and 2	NQF-Level: 7
Title: Dissertation (Research Psychology)		
<b>Module outcomes:</b> After completion of this module the student should be able to: <ul style="list-style-type: none"> <li>• plan and do research of a limited scope by using appropriate research methods that are aligned with the ontological and epistemological assumptions applicable to the research phenomenon; and</li> <li>• write a logically argued and integrated scientific report in which applicable psychological explanations are integrated with the research findings.</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact / Distance.		
<b>Assessment methods:</b> Internal and external evaluation according to NWU policy.		

Module code:: PSYK872 / PSYV872	Semester 1 and 2	NQF-Level: 9
Title: Research theory and Dissertation		
<b>Module outcomes:</b> After completing this module, learners should be able to <ul style="list-style-type: none"> <li>• Reflect on the paradigmatic basis of researchable problems;</li> <li>• Understand the relationship between data and specific analysis techniques;</li> <li>• Identify a researchable topic;</li> <li>• Identify appropriate hypotheses and develop a research proposal in line with substantive theoretical or empirical foundations and ethical considerations;</li> <li>• Conduct basic research, using applicable qualitative, quantitative or a combination of both research methods ;</li> <li>• Submit a research report in either dissertation/book or article format.</li> </ul>		
<b>Mode of delivery:</b> Fulltime – Contact		
<b>Assessment methods:</b> Evaluation by two external and one internal examiner.		

Module code: PSYC874	Semester 1 and 2	NQF-Level: 8b
Title: Critical Research Skills		
<b>Module outcomes:</b> After completion of this module the student should be able to: <ul style="list-style-type: none"> <li>• formulate an understanding of the ontological assumptions about the nature of science and a people view;</li> <li>• plan and perform ethical research;</li> <li>• differentiate between quantitative and qualitative approaches which are appropriate for answering specific research questions.</li> </ul>		
<b>Mode of delivery:</b>		

Workshops throughout the year.
<b>Assessment methods:</b> Written assignments throughout the year and an examination paper set by an internal examiner and moderated by an external examiner.

<b>Module code: PSYC875</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8b</b>
Title: Quantitative Research Methods		
<b>Module outcomes:</b> After the completion of this module the student should be able to:		
<ul style="list-style-type: none"> <li>• apply different research methods that are associated with quantitative research; and</li> <li>• apply quantitative research processes such as sampling, validity and reliability, questionnaire design, experimental designs (SPSS); data analysis techniques (multiple regression and structural comparison models).</li> </ul>		
<b>Mode of delivery:</b> Workshops throughout the year.		
<b>Assessment methods:</b> Written assignments throughout the year and an examination paper set by an internal examiner and moderated by an external examiner.		

<b>Module code: PSYC876</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8b</b>
Title: Qualitative Research Methods		
<b>Module outcomes:</b> After the completion of this module the student should be able to:		
<ul style="list-style-type: none"> <li>• apply different research designs associated with qualitative research; and</li> <li>• apply qualitative research processes such as purposeful sampling, data collection and data analysis methods such as thematic content analysis as well as trustworthiness.</li> </ul>		
<b>Mode of delivery:</b> Workshops throughout the year.		
<b>Assessment methods:</b> Written assignments throughout the year and an examination paper set by an internal examiner and moderated by an external examiner.		

<b>Module code: PSYC877</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8b</b>
Title: Project Management		
<b>Module outcomes:</b> After the completion of this module the student should be able to:		
<ul style="list-style-type: none"> <li>• master all facets concerning research project management, so that independent research functioning may be possible.</li> </ul>		
<b>Mode of delivery:</b> Workshops throughout the year.		
<b>Assessment methods:</b> Written assignments throughout the year and an examination paper set by an internal examiner and moderated by an external examiner.		

<b>Module code: PSYC878</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 9</b>
Title: Psigopharmakology, Adult Psychopathology and Neuropsychology		
<b>Module outcomes:</b> After completing this module, learners should be able to:		
<ul style="list-style-type: none"> <li>• Demonstrate theoretical and practical competence in the field of psychopharmacology, adult psychopathology and neuropsychology to conduct in-depth, culturally sensitive psycho diagnostic procedures and neuro-psychological evaluations with adults;</li> <li>• Demonstrate theoretical and practical competence in making and formulating both primary and differential diagnoses in terms of the various forms of adult psychopathology and neuropathology; according to the DSM-V and ICD-10 classification systems;</li> <li>• Demonstrate theoretical and practical competence in determining different causes of psychological and neuropsychological disorders in adults;</li> <li>• Demonstrate theoretical, practical and ethical competence in communicating professional impressions and conclusions to multi-disciplinary teams.</li> <li>• Demonstrate knowledge and insight in psychopharmacology, including: classification and functioning of the nervous system, brain anatomy and physiology, neurotransmission; and the use of psychotropic medication for various clinical conditions and the management thereof.</li> </ul>		
<b>Mode of delivery:</b> Fulltime – Contact		
<b>Assessment methods:</b> Written assignments, class activities, group and individual work, as well as formal examination.		

<b>Module code: PSYC879</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 9</b>
Title: Child- and adolescent pathology and therapy		
<b>Module outcomes:</b> After completing this module, learners should be able to:		
<ul style="list-style-type: none"> <li>• Demonstrate in-depth theoretical and practical competence in the field of child and adolescent development, psychology, psychopathology and psycho-diagnostics;</li> <li>• Demonstrate in-depth theoretical and practical competence in conducting clinical, emotional or neuropsychological evaluations with children and adolescents</li> <li>• Demonstrate theoretical and practical competence in making and formulating both primary and differential diagnoses in terms of the various forms of child and adolescent psychopathology and neuropathology, according to the DSM-V and ICD-10 classification systems;</li> <li>• Identify normal and abnormal child and adolescent development, and discuss different causes of psychological and neuropsychological disorders in children and adolescents from various meta-theoretical models</li> <li>• Orally or in writing accurately report and communicate professional impressions, diagnoses and conclusions to either multi-disciplinary teams and lay and professional persons, and make appropriate recommendations for interventions, rehabilitation or referrals;</li> <li>• Plan and implement appropriate psychological interventions and psychoeducational / parental guidance programmes.</li> </ul>		
<b>Mode of delivery:</b>		

Fulltime – Contact
<b>Assessment methods:</b> Written assignments, class activities, group and individual work, as well as formal examination.

<b>Module code: PSYC880</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 9</b>
Title: Psychological Intervention : Theory		
<b>Module outcomes:</b> After completing this module, learners should be able to: <ul style="list-style-type: none"> <li>• Demonstrate in-depth theoretical insight and knowledge in a wide variety of psychological and therapeutic theories, short and long-term approaches and techniques applicable to individuals, groups, families and marital couples with life challenges, particularly those with relatively serious forms of psychological distress and/or psychopathology/psychiatric disorders in diverse settings and contexts.</li> </ul>		
<b>Mode of delivery:</b> Fulltime – Contact		
<b>Assessment methods:</b> Written assignments, class activities, group and individual work, as well as formal examination.		

<b>Modulecode: PSYC881</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 9</b>
Title: Applied Psychological Interventions		
<b>Module outcomes:</b> After completing this module, learners should be able to: <ul style="list-style-type: none"> <li>• Apply psychological interventions to people with psychiatric conditions and serious life challenges and design, manage and evaluate programmes dealing with psychiatric problems in diverse settings;</li> <li>• Promote primary and secondary psychological well-being in an integrated, effective and ethical responsible manner;</li> <li>• Demonstrate their ability to do basic and advanced supportive, preventative and promotive psychological interventions, as well as the ability to plan and execute in-depth, specialized long-term interventions with patients with serious life challenges and psychopathology;</li> <li>• Advise on the development of policy applicable to a variety of sectors, based on various aspects of psychological theory and research;</li> <li>• Reflect on the personal impact of the learning material, practical experiences and the skills acquired as a person and as a future therapist.</li> </ul>		
<b>Mode of delivery:</b> Fulltime – Contact		
<b>Assessment methods:</b> Written assignments, class activities, group and individual work, as well as formal examination.		

<b>Module code: PSYC882</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 9</b>
Title: Professional aspects, Psychodiagnostics and practical work		
<b>Module outcomes:</b> After completing this module, learners should be able to:		
<ul style="list-style-type: none"> <li>• Demonstrate theoretical and practical competence in the field of ethical psychological practice in a private practice or clinical setting, professional conduct and legislative issues;</li> <li>• Demonstrate their ability to do basic and advanced in-depth psychological assessments, and to formulate report and communicate those findings and recommendations to various sources of referral or a multi-disciplinary teams and/ or other people;</li> <li>• Arrange appropriate referrals and demonstrate competence in case management;</li> <li>• Demonstrate theoretical and practical knowledge and skills regarding forensic psychology and document all processes followed;</li> <li>• Identify business opportunities and act as entrepreneur.</li> </ul>		
<b>Mode of delivery:</b> Fulltime – Contact		
<b>Assessment methods:</b> Written assignments, class activities, group and individual work, as well as formal examination.		

<b>Module code: PSYV879</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8a</b>
Title: Child- and adolescent development, pathology and therapy		
<b>Module outcomes:</b> After completing this module, learners should be able to:		
<ul style="list-style-type: none"> <li>• Demonstrate in-depth theoretical and practical competence in the field of child and adolescent development, psychology, psychopathology and psycho diagnostics; <ul style="list-style-type: none"> <li>○ Demonstrate theoretical and practical competence in conducting clinical, emotional or neuropsychological evaluations with children and adolescents;</li> </ul> </li> <li>• Demonstrate in-depth theoretical and practical competence in identifying individual strengths and protective factors, and in making and formulating both primary and differential diagnoses in terms of the various forms of child and adolescent psychopathology and neuropathology; according to the DSM-V and ICD-10 classification systems;</li> <li>• Identify normal and abnormal child and adolescent development and individual strengths, and critically discuss different causes of psychological and neuropsychological disorders and psychological well-being in children and adolescents from various meta-theoretical models;</li> <li>• Orally or in writing accurately report and communicate professional impressions, diagnoses and conclusions to either multi-disciplinary teams and lay and professional persons, and make appropriate recommendations for interventions, rehabilitation or referrals;</li> <li>• Plan and implement advanced and appropriate basic and in-depth developmental, counselling and psychological interventions and parental guidance/psycho-education programmes in dealing with normal problems of life concerning all stages and aspects of a child's and adolescents' existence in order to prevent psychopathology, promote optimal bio-psycho-social well-being and facilitate desirable adjustment, growth and maturity.</li> </ul>		



<b>Mode of delivery:</b> Fulltime – Contact
<b>Assessment methods:</b> Written assignments, class activities, group and individual work, as well as formal examination.

Module code: PSYV881	Semester 1 and 2	NQF-Level: 8a
Title: Applied Counselling and Psychological interventions		
<b>Module outcomes:</b> After completing this module, learners should be able to: <ul style="list-style-type: none"> <li>• Apply basic and in-depth counselling and psychological interventions to relatively well-adjusted people and groups of all age ranges in culturally diverse communities and contexts in dealing with normal problems of life concerning all stages and aspects of a persons' existence in order to prevent psychopathology, promote optimal bio-psycho-social well-being and facilitate desirable adjustment, growth and maturity;</li> <li>• Design, manage and evaluate programmes dealing with developmental and adjustment problems in diverse settings;</li> <li>• Promote primary and secondary psychological well-being in an integrated, effective and ethical responsible manner;</li> <li>• Demonstrate their ability to do basic and advanced supportive, preventative and promotive psychological interventions, as well as the ability to plan and execute in-depth, specialized long-term interventions with relatively well-adjusted people and groups of all age ranges in culturally diverse communities and contexts in an integrated, effective and ethical responsible manner;</li> <li>• Advise on the development of policy applicable to a variety of sectors, based on various aspects of psychological theory and research;</li> <li>• Reflect on the personal impact of the learning material, practical experiences and the skills acquired as a person and as a future therapist.</li> </ul>		
<b>Mode of delivery:</b> Fulltime – Contact		
<b>Assessment methods:</b> Written assignments, class activities, group and individual work, as well as formal examination.		

Module code: MWKF873	Semester 2	NQF-Level: 8a
Title: Research Dissertation (Social Work – Forensic Practice)		
<b>Module outcomes:</b> After the completion of the module the student must be able to: <ul style="list-style-type: none"> <li>• interpret research results and write a research submission and a research report.</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> Evaluation by two external and one internal examiner.		

Module code: MWKF876	Semester 1	NQF-Level: 8a
Title: General Child Assessment		
<b>Module outcomes:</b> The student must be able to:		
<ul style="list-style-type: none"> <li>• understand and apply the role of child assessment during the process of investigating alleged sexual abuse and physical battering;</li> <li>• determine whether a child's physical development and cognitive development present within normal limits for his/her age group in order to recommend purposeful and effective interventions, understand the child as a client, form a hypothesis whether the child experiences any problems in his psycho-social development and, by means of the theoretical knowledge and the use of the assessment model, form a hypothesis on the development and/or the possible presence of problems with regard to his psycho-social development;</li> <li>• recognise emotional and behavioural problems that may occur in children, and be aware of possible causes of these problems, identify the occurrence of emotional neglect and understand its impact; and</li> <li>• understand the effect of trauma on the child's development and identify dissociation, and understand and interpret its impact on the intervention process.</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> One examination per module.		

Module code: MWKF877	Semester 1	NQF-Level: 8a
Title: Sexual Abuse and Physical Battering		
<b>Module outcomes:</b> After the completion of this module the student should be able to:		
<ul style="list-style-type: none"> <li>• identify possible aspects in the family dynamics that may contribute to possible sexual abuse of the child;</li> <li>• observe and explain the bonding between parent and child, and also between the transgressor and the child;</li> <li>• recognise the dynamics of the sexual transgressor and conduct an interview with the alleged transgressor as part of the investigation process;</li> <li>• explain and understand medical findings in the context of each case that is investigated;</li> <li>• understand the process of disclosing facts by the child and also to explain it to the court; and</li> <li>• recognise the difference between true and false statements.</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> One examination per module.		

<b>Module code: MWKF878</b>	<b>Semester 2</b>	<b>NQF-Level: 8a</b>
Title: Trauma Assessment and Investigation Process		
<b>Module outcomes:</b> After the completion of the module the student should be able to:		
<ul style="list-style-type: none"> <li>• understand the functioning of the brain and the effect of trauma on the brain and to apply techniques in order to help the child to recall information regarding the trauma;</li> <li>• identify dissociation in the child and explain its impact on the child's statement;</li> <li>• apply techniques in order to help the child recall information regarding the trauma; apply unstructured play as part of the assessment and executing a full trauma assessment successfully;</li> <li>• execute an interactional analysis within the dynamics of sexual abuse successfully; and</li> <li>• conduct a full forensic interview.</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> One examination per module.		

<b>Module code: MWKF879</b>	<b>Semester 2</b>	<b>NQF-Level: 8a</b>
Title: Report Writing and Social Worker as Expert in Court		
<b>Module outcomes:</b> After the completion of this module the student should be able to:		
<ul style="list-style-type: none"> <li>• compile a court report and act as an expert witness in court in cases of sexual abuse;</li> <li>• enter the court well prepared and testify with conviction;</li> <li>• know the various options with regard to courts and ascertain which option would be best within each unique case, and be conversant with the applicable legislation and its application; and</li> <li>• explain to the court, with the aid of literature, the function of the assessment techniques; and to prepare the child for court.</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact.		
<b>Assessment methods:</b> One examination per module.		

<b>Module code: MWKF880</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8a</b>
Title: Research Theory: Social Work		
<b>Module outcomes:</b> After the completion of this module the student should be able to:		
<ul style="list-style-type: none"> <li>• describe the nature, purpose and necessity of social work research;</li> <li>• explain the ethical aspects of social work research and to differentiate between the different roles of the social work researcher;</li> <li>• manage the research process in social work;</li> <li>• discuss the nature and purpose of the preliminary investigation;</li> </ul>		

<ul style="list-style-type: none"> <li>• apply the principles of sampling and the types of samples in practice;</li> <li>• differentiate between the various research designs and procedures and to apply them in practice; and</li> <li>• demonstrate an understanding of the nature and value of and measurement in social work research and apply the procedures of measurement.</li> </ul>
<b>Mode of delivery:</b> Full-time / Part-time – Contact.
<b>Assessment methods:</b> One examination per module.

<b>Module code: MWKK873</b>	<b>Semester1 and 2</b>	<b>NQF-Level: 8a</b>
Title: Mini-dissertation (Social Work – Child Protection)		
<b>Module outcomes:</b> After the completion of this module the student should be able to: <ul style="list-style-type: none"> <li>• interpret research results and write a research proposal and a research report.</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact / Distance.		
<b>Assessment methods:</b> Internal and external evaluation according to NWU policy.		

<b>Module code: MWKK874</b>	<b>Semester 1</b>	<b>NQF-Level: 8a</b>
Title: Child Protection as Field of Service		
<b>Module outcomes:</b> After the completion of the module the student should be able to: <ul style="list-style-type: none"> <li>• describe the nature and character of the field of child protection in South Africa;</li> <li>• identify the role players in the field of child protection in South Africa;</li> <li>• demonstrate familiarity with the policy documents and legislation that give shape to the field of child protection in South Africa; and</li> <li>• apply the norm of the best interests of the child, taking the rights of the child into consideration, in each unique situation.</li> </ul>		
<b>Mode of delivery:</b> Part-time – Contact		
<b>Assessment methods:</b> Evaluation by internal and external examiners.		

<b>Module code: MWKK875</b>	<b>Semester 1</b>	<b>NQF-Level: 8a</b>
Title: Children as a Vulnerable Group		
<b>Module outcomes:</b> After the completion of the module the student should be able to: <ul style="list-style-type: none"> <li>• discuss the development of the child within the perspective of the ecosystem;</li> <li>• identify and investigate the problem of child abuse and neglect;</li> </ul>		

<ul style="list-style-type: none"> <li>• explain, compare and apply different child assessment models and frameworks; and</li> <li>• identify the different vulnerable child groups and develop service and intervention plans.</li> </ul>
<b>Mode of delivery:</b> Part-time – Contact.
<b>Assessment methods:</b> Evaluation by internal and external examiners.

Module code: MWKK876	Semester 2	NQF-Level: 8a
Title: Social Work Intervention in the Field of Child Protection		
<b>Module outcomes:</b> After the completion of the module the student should be able to: <ul style="list-style-type: none"> <li>• identify the need for intervention at macro, meso and micro-level within the field of child protection;</li> <li>• implement relevant intervention strategies at every level; and</li> <li>• develop appropriate prevention services with respect to every level and every group.</li> </ul>		
<b>Mode of delivery:</b> Part-time – Contact.		
<b>Assessment methods:</b> Evaluation by internal and external examiners.		
Module code: MWKK877	Semester 2	NQF-Level: 8a
Title: Substitute Care in South Africa		
<b>Module outcomes:</b> After the completion of the module the student should be able to: <ul style="list-style-type: none"> <li>• distinguish, explain and discuss critically the different forms of substitute care;</li> <li>• implement the intervention process with respect to every form of substitute care on the basis of relevant legislation and policy procedures, taking the principle of permanence planning into account; and</li> <li>• evaluate the current practice of every form of substitute care against the background of prevailing circumstances and needs.</li> </ul>		
<b>Mode of delivery:</b> Part-time – Contact.		
<b>Assessment methods:</b> Evaluation by internal and external examiners.		

Module code: MWKN871	Semester 1 and 2	NQF-Level: 8a
Title: Dissertation		
<b>Module outcomes:</b> After completion of the module the student should be able to: <ul style="list-style-type: none"> <li>• identify a research problem in social work which is in accordance with the research niche areas for the Social Work subject group;</li> </ul>		

<ul style="list-style-type: none"> <li>• formulate and apply a research design and procedures;</li> <li>• reproduce the research results in the form of a dissertation of high quality; and</li> <li>• collaborate effectively with fellow-researchers and research teams, respondents, organisations and communities in the research process.</li> </ul>
<b>Mode of delivery:</b> Part-time – Contact.
<b>Assessment methods:</b> Internal and external evaluation according to NWU policy.

<b>Module code: PSYC971</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8c</b>
Title: Thesis (Psychology)		
<b>Module outcomes:</b> After the completion of the module the student should be able to: <ul style="list-style-type: none"> <li>• demonstrate advanced and specialised knowledge and skills to identify a social relevant research question in the domain of psychology, which can be researched individually or interdisciplinary;</li> <li>• design an appropriate quantitative and/or qualitative research design which will make a significant contribution to the encyclopedia of psychological knowledge;</li> <li>• independently execute the research in an ethical- and scientific way by utilising appropriate research methods, techniques and procedures; and</li> <li>• interpret the research findings in a scientific accountable way and report/communicate this in a thesis that meets the academic en professional standards and regulations of the NWU.</li> </ul>		
<b>Mode of delivery:</b> Full-time / Part-time – Contact / Distance.		
<b>Assessment methods:</b> Internal and external evaluation according to NWU policy.		

<b>Module code: MWKN971</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8c</b>
Title: Thesis (Social Work)		
<b>Module outcomes:</b> <ul style="list-style-type: none"> <li>• The utilisation of the ecosystem approach in the extension and enhancement of social work knowledge;</li> <li>• The identification of a research problem of a highly complex nature in the field of social work of which the solution may contribute to the extension of the social work knowledge base;</li> <li>• The formulation and application of a suitable research design and procedure;</li> <li>• The analysing and application, interpretation and critical evaluation of research-related data;</li> <li>• The presentation and reporting on the research data in the form of a thesis of high quality; and</li> <li>• The dissemination of the newly acquired knowledge to social workers and other</li> </ul>		

relevant role players.
<b>Mode of delivery:</b> Full-time and Part-time.
<b>Assessment methods:</b> Internal and external evaluation according to NWU policy.

## G.2.5 SCHOOL OF NURSING SCIENCE

Module code: VPEK874	Semester 1 and 2	NKR-level: 7
Title: Clinical Psychiatric Community Nursing		
<b>Module-outcome:</b> After completion of this module the student will be able to:		
<ul style="list-style-type: none"> <li>• facilitate the promotion, maintenance and restoring of mental health;</li> <li>• integrate professional and personal values and norms in ethical-legal practicing of Psychiatric Nursing;</li> <li>• gather, analyse and evaluate mental health information critically;</li> <li>• facilitate psychiatric health care as a specialist practitioner.</li> </ul>		
<b>Mode of delivery:</b> Part time – Contact on Potchefstroom Campus.		
<b>Assessment methods:</b> Seminar presentation, assignments and examination paper		

Module code: VPEK875	Semester 1 and 2	NKR- level: 7
Title: Psychiatric Community Nursing skills and methods		
<b>Module-outcome:</b> After completion of this module the student will be able to:		
<ul style="list-style-type: none"> <li>• apply intra- and interpersonal skills in the handling of stress and conflict to facilitate his/her own pursuit of wholeness, as well as that of others;</li> <li>• apply advanced scientific principles regarding Psychiatric Nursing;</li> <li>• show awareness regarding the importance of effective learning strategies, responsible citizenship, culture sensitivity, teaching, occupational matters and entrepreneurial capabilities in Psychiatric Nursing;</li> <li>• facilitate psychiatric health care as a, therapist</li> </ul>		
<b>Mode of delivery:</b> Part time – Contact on Potchefstroom Campus.		
<b>Assessment methods:</b> Seminar presentation, assignments and examination paper.		

<b>Module code: VPEK876</b>	<b>Semester 1 and 2</b>	<b>NKR- level: 7</b>
Title: Psychiatric Community Nursing practice, leadership and consultation		
<b>Module-outcome:</b> After completion of this module the student will be able to:		
<ul style="list-style-type: none"> <li>• work as an independent practitioner, leader and consultant together with other disciplines within the health care system and the community health services in order to promote, maintain and restore mental health, and to promote an effective lifestyle;</li> <li>• utilise and bring about reference sources or mobilise them by means of the development of networks;</li> <li>• contribute significantly to the formulation of mental health policies in Nursing;</li> <li>• maintain professional excellence and capability by continual learning</li> </ul>		
<b>Mode of delivery:</b> Part time – Contact on Potchefstroom Campus.		
<b>Assessment methods:</b> Seminar presentation, assignments and examination paper.		

<b>Module code: VPEP884</b>	<b>Semester 1 and 2</b>	<b>NKR- level: 7</b>
Title: Psychiatric Community Nursing Practica		
<b>Module-outcome:</b> After exposure to the clinical experience, the student will be able to:		
<ul style="list-style-type: none"> <li>• facilitate psychiatric health care as a specialist practitioner, leader, therapist, consultant and companion; and</li> <li>• utilise appropriate technology and techniques while caring in a scientific, individualised and holistic manner within the legal-ethical framework of South Africa.</li> </ul>		
<b>Mode of delivery:</b> Completion of clinical practica –hours (SANC) according to guidelines and instruction.		
<b>Assessment methods:</b> Supervision of clinical practica		

<b>Module code: VPES873</b>	<b>Semester 1 and 2</b>	<b>NKR- level: 7</b>
Title: Mini-dissertation (Psychiatric Community Nursing Science)		
<b>Module outcomes:</b> On completion of this module the student should be able to:		
<ul style="list-style-type: none"> <li>• plan, execute and disseminate a research project of limited scope within the field of psychiatric nursing science.</li> </ul>		
<b>Mode of delivery:</b> Research under guidance of a study leader supported by the research committee.		
<b>Assessment methods:</b> Internal and external evaluation according to NWU policy.		



<b>Module code: VPBV872</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8b</b>
Title: Dissertation (Health Science Management)		
<b>Module outcomes:</b> On completion of this module the student should be able to:		
<ul style="list-style-type: none"> <li>manage health services in a community centred, culture sensitive manner with the purpose to facilitate the health of a person, family and/or a community.</li> </ul>		
<b>Mode of delivery:</b> Research under guidance of a study leader supported by the research committee.		
<b>Assessment methods:</b> Internal and external evaluation according to NWU policy.		

<b>Module code: VPGV872</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8b</b>
Title: Dissertation (Community Nursing Science)		
<b>Module outcomes:</b> On completion of this module the student should be able to:		
<ul style="list-style-type: none"> <li>facilitate the promotion, maintenance and restoration of the quality of life of a person, family and/or community by means of a community centred-, culture sensitive approach.</li> </ul>		
<b>Mode of delivery:</b> Research under guidance of a study leader supported by the research committee.		
<b>Assessment methods:</b> Internal and external evaluation according to NWU policy.		

<b>Module code: VPKN874</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8b</b>
Title: Research Methodology		
<b>Module outcomes:</b> On completion of this module the student should be able to:		
<ul style="list-style-type: none"> <li>explain the meaning of scientific research and nursing research;</li> <li>provide reasons why nursing research is essential;</li> <li>discuss the logical steps of the research process;</li> <li>conceptualize a research project;</li> <li>conduct a relevant and comprehensive literature search for a research project;</li> <li>select an appropriate approach within a specific research paradigm;</li> <li>write a research proposal; and</li> <li>present a complete research proposal to a panel of experts and colleagues.</li> </ul>		
<b>Mode of delivery:</b> Contact education.		
<b>Assessment methods:</b> Continuous assessment by means of a variety of methods. Examination by at least one internal and one external examiner.		

<b>Module code: VPKV872</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8b</b>
Title: Dissertation (Professional Nursing Science)		
<b>Module outcomes:</b> On completion of this module the student should be able to:		
<ul style="list-style-type: none"> <li>• facilitate the promotion, maintenance and restoration of a patient's quality of life within a community centred-, culture sensitive approach.</li> </ul>		
<b>Mode of delivery:</b> Research under guidance of a study leader supported by the research committee.		
<b>Assessment methods:</b> Internal and external evaluation according to NWU policy.		

<b>Module code: VPOV872</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8b</b>
Title: Dissertation (Health Science Education)		
<b>Module outcomes:</b> On completion of this module the student should be able to:		
<ul style="list-style-type: none"> <li>• facilitate the quality of life of a person, family and/or community by means of health science education within a community centred-, culture sensitive approach.</li> </ul>		
<b>Mode of delivery:</b> Research under guidance of a study leader supported by the research committee.		
<b>Assessment methods:</b> Internal and external evaluation according to NWU policy.		

<b>Module code: VPVV872</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8b</b>
Title: Dissertation (Nursing Science)		
<b>Module outcomes:</b> On completion of this module the student should be able to:		
<ul style="list-style-type: none"> <li>• facilitate the quality of life of a patient through the promotion, maintenance and restoration of health within a community centred, culture sensitive approach.</li> </ul>		
<b>Mode of delivery:</b> Research under guidance of a study leader supported by the research committee.		
<b>Assessment methods:</b> Internal and external evaluation according to NWU policy.		

<b>Module code: VPBP971</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8c</b>
Title: Thesis: (Health Sciences Management)		
<b>Module outcomes:</b> On completion of this module the student should be able to:		
<ul style="list-style-type: none"> <li>• demonstrate a high level of critical-analytical problem solving skills;</li> <li>• practice nursing science on a specialized level;</li> <li>• distinguish him/herself as leader in nursing science;</li> <li>• apply advanced research methodology, initiate research, predict outcomes and apply</li> </ul>		

<ul style="list-style-type: none"> <li>results;</li> <li>• make a meaningful contribution to the knowledge base of nursing science;</li> <li>• act independently as researcher;</li> <li>• maintain specialized professional excellence by means of life-long learning; and</li> <li>• initiate and maintain networks on a national- and international level.</li> </ul>
<p><b>Mode of delivery:</b> Research under guidance of a study leader supported by the research committee.</p>
<p><b>Assessment methods:</b> The thesis is examined by internal and external examiners according to the rules of the NWU.</p>

Module code: VPEP971	Semester 1 and 2	NQF-Level: 8c
Title: Thesis: (Psychiatric Community Nursing)		
<p><b>Module outcomes:</b> On completion of this module the student should be able to:</p> <ul style="list-style-type: none"> <li>• practice nursing science on a specialized level;</li> <li>• distinguish him/herself as leader in nursing science;</li> <li>• apply advanced research methodology, initiate research, predict outcomes and apply results;</li> <li>• make a meaningful contribution to the knowledge base of nursing science;</li> <li>• act independently as researcher;</li> <li>• maintain specialized professional excellence by means of life-long learning; and</li> <li>• initiate and maintain networks on a national- and international level.</li> </ul>		
<p><b>Mode of delivery:</b> Research under guidance of a study leader supported by the research committee.</p>		
<p><b>Assessment methods:</b> The thesis is examined by internal and external examiners according to the rules of the NWU.</p>		

Module code: VPGP971	Semester 1 and 2	NQF-Level: 8c
Title: Thesis: (Community Nursing Science)		
<p><b>Module outcomes:</b> On completion of this module the student should be able to:</p> <ul style="list-style-type: none"> <li>• practice nursing science on a specialized level;</li> <li>• distinguish him/herself as leader in nursing science;</li> <li>• apply advanced research methodology, initiate research, predict outcomes and apply results;</li> <li>• make a meaningful contribution to the knowledge base of nursing science;</li> <li>• act independently as researcher;</li> <li>• maintain specialized professional excellence by means of life-long learning; and</li> <li>• initiate and maintain networks on a national- and international level.</li> </ul>		
<p><b>Mode of delivery:</b> Research under guidance of a study leader supported by the research committee.</p>		

<b>Assessment methods:</b> The thesis is examined by internal and external examiners according to the rules of the NWU.
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<b>Module code: VPOP971</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8c</b>
Title: Thesis: (Health Science Education)		
<b>Module outcomes:</b> On completion of this module the student should be able to:		
<ul style="list-style-type: none"> <li>• practice nursing science on a specialized level;</li> <li>• distinguish him/herself as leader in nursing science;</li> <li>• apply advanced research methodology, initiate research, predict outcomes and apply results;</li> <li>• make a meaningful contribution to the knowledge base of nursing science;</li> <li>• act independently as researcher;</li> <li>• maintain specialized professional excellence by means of life-long learning; and</li> <li>• initiate and maintain networks on a national- and international level.</li> </ul>		
<b>Mode of delivery:</b> Research under guidance of a study leader supported by the research committee.		
<b>Assessment methods:</b> The thesis is examined by internal and external examiners according to the rules of the NWU.		

<b>Module code: VPPP971</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8c</b>
Title: Title: Thesis: (Professional Nursing Science)		
<b>Module outcomes:</b> On completion of this module the student should be able to:		
<ul style="list-style-type: none"> <li>• practice nursing science on a specialized level;</li> <li>• distinguish him/herself as leader in nursing science;</li> <li>• apply advanced research methodology, initiate research, predict outcomes and apply results;</li> <li>• make a meaningful contribution to the knowledge base of nursing science;</li> <li>• act independently as researcher;</li> <li>• maintain specialized professional excellence by means of life-long learning; and</li> <li>• initiate and maintain networks on a national- and international level.</li> </ul>		
<b>Mode of delivery:</b> Research under guidance of a study leader supported by the research committee.		
<b>Assessment methods:</b> The thesis is examined by internal and external examiners according to the rules of the NWU.		

<b>Module code: VPVP971</b>	<b>Semester 1 and 2</b>	<b>NQF-Level: 8c</b>
Title: Thesis: (Midwifery and Neonatal Nursing Science)		
<b>Module outcomes:</b> On completion of this module the student should be able to:		

<ul style="list-style-type: none"> <li>• practice nursing science on a specialized level;</li> <li>• distinguish him/herself as leader in nursing science;</li> <li>• apply advanced research methodology, initiate research, predict outcomes and apply results;</li> <li>• make a meaningful contribution to the knowledge base of nursing science;</li> <li>• act independently as researcher;</li> <li>• maintain specialized professional excellence by means of life-long learning; and</li> <li>• initiate and maintain networks on a national- and international level.</li> </ul>
<p><b>Mode of delivery:</b> Research under guidance of a study leader supported by the research committee.</p>
<p><b>Assessment methods:</b> The thesis is examined by internal and external examiners according to the rules of the NWU.</p>

Module code: VPV971	Semester 1 and 2	NQF-Level: 8c
Title: Thesis: (Nursing Science)		
<p><b>Module outcomes:</b> On completion of this module the student should be able to:</p> <ul style="list-style-type: none"> <li>• practice nursing science on a specialized level;</li> <li>• distinguish him/herself as leader in nursing science;</li> <li>• apply advanced research methodology, initiate research, predict outcomes and apply results;</li> <li>• make a meaningful contribution to the knowledge base of nursing science;</li> <li>• act independently as researcher;</li> <li>• maintain specialized professional excellence by means of life-long learning; and</li> <li>• initiate and maintain networks on a national- and international level.</li> </ul>		
<p><b>Mode of delivery:</b> Research under guidance of a study leader supported by the research committee.</p>		
<p><b>Assessment methods:</b> The thesis is examined by internal and external examiners according to the rules of the NWU.</p>		

Module code: VPV574	Semester 1	NKR-level: 7
Title: The Advanced Midwife as Practitioner, Leader and Consultant		
<p><b>Module-outcome:</b> After completion of this module the student will be able to:</p> <ul style="list-style-type: none"> <li>• practice as an advanced midwife, acting as a leader and consultant in a variety of scenarios including a clinical specialist, manager of a reproductive health service as well as in a private practice;</li> <li>• act as a facilitator in mobilising the community to participate in promoting, maintaining and restoring health; and</li> <li>• utilise auditing and quality control measures in attending to maternal and peri-natal morbidity and mortality.</li> </ul>		
<p><b>Mode of delivery:</b></p>		

Part time – Contact on Potchefstroom Campus.
<b>Assessment methods:</b> Assignments, tests and examination paper

Module code: VPVK575	Semester 1 and 2	NKR- level: 7
Title: The Advanced Midwife as Clinician in ante-, intra- and postpartum context		
<b>Module-outcome:</b> After completion of this module the student will be able to:		
<ul style="list-style-type: none"> <li>• promote, maintain and restore health by using the scientific approach in assessing, diagnosing, planning; and</li> <li>• implement, evaluate and document holistic family-centred advanced midwifery care, during the ante-, intra- and postpartum period.</li> </ul>		
<b>Mode of delivery:</b> Part time – Contact on Potchefstroom Campus.		
<b>Assessment methods:</b> Assignments, tests and examination paper.		

Module code: VPVK576	Semester 2	NKR- level: 7
Title: The Advanced Midwife as Clinician in Neonatal Context		
<b>Module-outcome:</b> After completion of this module the student will be able to:		
<ul style="list-style-type: none"> <li>• promote, maintain and restore health by using the scientific approach in assessing, diagnosing, planning, implementing, evaluating and documenting holistic neonatal care; and</li> <li>• utilise knowledge regarding the pathology and clinical features of neonatal conditions as well as relevant pharmacology in the advanced midwifery management of neonates with compromised health.</li> </ul>		
<b>Mode of delivery:</b> Part time – Contact on Potchefstroom Campus.		
<b>Assessment methods:</b> Assignments, tests and examination paper.		

Module code: VPVP584	Semester 1 and 2	NKR- level: 7
Title: Advanced Midwifery and Neonatal Nursing Practica		
<b>Module-outcome:</b> After exposure to the clinical experience, the student will be able to:		
<ul style="list-style-type: none"> <li>• manage complicated midwifery patients and neonates referred to them; and</li> <li>• utilise appropriate technology and techniques while caring in a scientific, individualised and holistic manner within the legal-ethical framework of South Africa.</li> </ul>		
<b>Mode of delivery:</b> Completion of a port folio and clinical practica –hours (SANC) according to guidelines and instruction.		

<b>Assessment methods:</b> Portfolio and examination paper.
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Module code: BSKT111	Semester 1	NKR- level: 5
Title: Introduction to Psychology in Work Context		
<b>Module-outcome:</b> On completion of the module the student should: <ul style="list-style-type: none"> <li>• know and understand differences in individual behaviour and criteria that can be used to classify individual differences;</li> <li>• know and understand the impact of stereotypes, prejudice and assimilation in a diverse workplace; motivate the value of a diversified workforce that mirrors the population and</li> <li>• evaluate different programmes to manage multitude;</li> <li>• know and understand the nature and importance of a safe and healthy work environment, and one that enhances the quality of work life of workers in organisations;</li> <li>• show insight the safety, health and quality of work life problems are experienced by workers;</li> <li>• know and understand the ways in which organisations should go about ensuring and maintaining a safe and healthy work environment, and one that is conducive to the improvement of the quality of work life of workers.</li> </ul>		
<b>Mode of delivery:</b> Telematic - Contact sessions at selected study centers.		
<b>Assessment methods:</b> Assignments, tests and examination paper.		

Module code: BSKT221	Semester 2	NKR- level: 6
Title: Personnel Psychology		
<b>Module-outcome:</b> On completion of the module the student should: <ul style="list-style-type: none"> <li>• know and understand the nature, value and functions of human resource management and its challenges;</li> <li>• demonstrate knowledge of and insight into job analysis, human resource planning, recruitment, selection, compensation;</li> <li>• be able to conduct performance management, induction, training and development;</li> <li>• apply skills to develop these programmes in work context; and</li> <li>• show knowledge of and insight into the importance of a safe and healthy work environment and one that enhances the quality of the work life of workers; apply knowledge and skills to compile human resource management programmes.</li> </ul>		
<b>Mode of delivery:</b> Telematic - Contact sessions at selected study centers.		
<b>Assessment methods:</b> Assignments, tests and examination paper.		

Module code: NSCT211	Semester 1	NKR- level: 6
Title: Grounding of Community Nursing Science		
<b>Module-outcome:</b>		
<ul style="list-style-type: none"> <li>• Implement the scientific community nursing process in caring for the individual, the family and the community;</li> <li>• Consider the physical, psychological, social and cultural dimensions pertaining to the family and the community; the influence of the environment with regard to disease patterns and tendencies; and</li> <li>• The development, organisation, functioning and control of community health services in international and national health systems.</li> </ul>		
<b>Mode of delivery:</b>		
Telematic - Contact sessions at selected study centers. Completion of a port folio and clinical practica –hours (SANC) according to guidelines and instruction.		
<b>Assessment methods:</b>		
Assignments, tests, portfolio and examination paper.		

Module code: NSCT221	Semester 2	NKR- level: 6
Title: Principles of Primary Health Care		
<b>Module-outcome:</b>		
On completion of this module the student should be able to:		
<ul style="list-style-type: none"> <li>• discuss the primary health care delivery in South Africa and the role, functions and responsibilities of the community health nurse in rendering a comprehensive primary health care service;</li> <li>• exhibit knowledge and skill in implementing the primary health care principles; and</li> <li>• demonstrate knowledge in assessing, diagnosing and managing individuals of all age groups to promote rational and safe drug use at primary health care level.</li> </ul>		
<b>Mode of delivery:</b>		
Telematic - Contact sessions at selected study centers.		
<b>Assessment methods:</b>		
Assignments, tests and examination paper.		

Module code: NSCT271	Semester 1 and 2	NKR- level: 6
Title: Community Nursing Science Practica		
<b>Module-outcome:</b>		
On completion of the practica for NSCT271 the student should be able to:		
<ul style="list-style-type: none"> <li>• provide basic health care and manage the health problems of the individual, family, groups and the community within the framework of a comprehensive primary health care system as a member of the multidisciplinary team;</li> <li>• exhibit knowledge and skill in assessing and managing the mother and child, adult and geriatric patient; and</li> <li>• manage and control communicable diseases within the community.</li> </ul>		
<b>Mode of delivery:</b>		
Telematic - Completion of a portfolio and clinical practica –hours (SANC) according to		



guidelines and instruction.
<b>Assessment methods:</b> Portfolio.

<b>Module code: NSDT111</b>	<b>Semester 1</b>	<b>NKR- level: 5</b>
Title: Health Science Dynamics		
<b>Module-outcome:</b> On completion of this module the student should be able to:		
<ul style="list-style-type: none"> <li>• demonstrate a sound knowledge of the health care of South Africa with reference to the developing world and health care in South Africa; demonstrate an understanding of health care as a caring concern;</li> <li>• demonstrate the ability to debate the concept "professionalism" as related to health care professionals;</li> <li>• demonstrate the ability to act ethically in any given health care situation; develop the self through the study of Health Science Dynamics regarding personal and professional growth; and</li> <li>• participate effectively as a health practitioner in the multi-disciplinary team.</li> </ul>		
<b>Mode of delivery:</b> Telematic - Contact sessions at selected study centers.		
<b>Assessment methods:</b> Assignments, tests, portfolio and examination paper.		

<b>Module code: NSET111</b>	<b>Semester 1</b>	<b>NKR- level: 5</b>
Title: Health Science Education: Introduction		
<b>Module-outcome:</b> On completion of this module the student should be able to:		
<ul style="list-style-type: none"> <li>• demonstrate knowledge of the psychological framework regarding human behaviour in the educational process;</li> <li>• be knowledgeable about growth dynamics;</li> <li>• have an understanding about information processing, learning strategies and motivation; and</li> <li>• motivate the imperativeness of effective education and achieving positive teaching outcomes.</li> </ul>		
<b>Mode of delivery:</b> Telematic - Contact sessions at selected study centers.		
<b>Assessment methods:</b> Assignments, tests and examination paper.		

<b>Module code: NSET211</b>	<b>Semester 1</b>	<b>NKR- level: 6</b>
Title: Curriculum Studies		
<b>Module-outcome:</b> On completion of this module the student should be able to:		

<ul style="list-style-type: none"> <li>demonstrate knowledge, skills and attitude regarding SAQA/NQF/OBE; the skills development act; outcomes based education; outcomes based education and the curriculum; and</li> <li>study guide development and lesson plans; outcomes based learning and the learning accompanist; outcomes based learning and the adult student.</li> </ul>
<b>Mode of delivery:</b> Telematic - Contact sessions at selected study centers.
<b>Assessment methods:</b> Assignments, tests and examination paper.

<b>Module code: NSET221</b>	<b>Semester 2</b>	<b>NKR- level: 6</b>
Title: Didactics		
<b>Module-outcome:</b> On completion of this module the student should be able to: <ul style="list-style-type: none"> <li>demonstrate knowledge; skills and attitude regarding the teaching and learning context, construction of knowledge; determinants of learning; dimensions of learning; creation of a context conducive to learning (facilitation-, clinical skills and assessment).</li> </ul>		
<b>Mode of delivery:</b> Telematic - Contact sessions at selected study centers.		
<b>Assessment methods:</b> Assignments, tests and examination paper.		

<b>Module code: NSET271</b>	<b>Semester 1 and 2</b>	<b>NKR- level: 6</b>
Title: Health Science Education: Practica		
<b>Module-outcome:</b> On completion of this module the student should be able to: <ul style="list-style-type: none"> <li>demonstrate confidence in the planning of learning opportunities;</li> <li>utilise various teaching strategies; and</li> <li>create a context conducive to learning; evaluate learning; write a report on nursing school administration.</li> </ul>		
<b>Mode of delivery:</b> Telematic - Completion of a portfolio according to guidelines and instruction.		
<b>Assessment methods:</b> Portfolio.		

<b>Module code: NSFT121</b>	<b>Semester 2</b>	<b>NKR- level: 5</b>
Title: Financial Health Management		
<b>Module-outcome:</b> On completion of this module the student should be able to: <ul style="list-style-type: none"> <li>discuss cost and financial management in health services;</li> <li>understand the cost elements in health care services;</li> <li>understand planning and budgeting in health services; and</li> </ul>		

<ul style="list-style-type: none"> <li>• understand cost control and decision making.</li> </ul>
<b>Mode of delivery:</b> Telematic - Contact sessions at selected study centers.
<b>Assessment methods:</b> Assignments, tests and examination paper.

Module code: NSGT111	Semester 1	NKR- level: 5
Title: Sociology: Introduction A		
<b>Module-outcome:</b> On completion of this module the student should be able to: <ul style="list-style-type: none"> <li>• describe what Sociology is and apply the main sociological perspectives to better understand the social world;</li> <li>• explain what culture is and how culture influences human behaviour;</li> <li>• explain how man's social potentials are developed; and</li> <li>• explain how people's behaviour is shaped by their interaction with one another in social structures.</li> </ul>		
<b>Mode of delivery:</b> Telematic - Contact sessions at selected study centers.		
<b>Assessment methods:</b> Assignments, tests and examination paper.		

Module code: NSGT121	Semester 2	NKR- level: 5
Title: Sociology: Introduction B		
<b>Module-outcome:</b> On completion of this module the student should be able to: <ul style="list-style-type: none"> <li>• define the term <i>deviance</i> in a scientifically correct manner and discuss the main sociological perspectives' analysis of deviant behaviour critically;</li> <li>• analyse dispersed and convergent forms of collective behaviour sociologically; explain social movements and its relationship to social change; and</li> <li>• apply sociological knowledge as far as health and the health care system are concerned.</li> </ul>		
<b>Mode of delivery:</b> Telematic - Contact sessions at selected study centers.		
<b>Assessment methods:</b> Assignments, tests and examination paper.		

Module code: NSHT211	Semester 1	NKR- level: 6
Title: Clinical Nursing Science, Health Assessment, Treatment And Care: Introduction		
<b>Module-outcome:</b> On completion of this module the student should be able to: <ul style="list-style-type: none"> <li>• discuss the consultation process and implement the history taking, physical examination, diagnosis and management of a patient; and</li> <li>• exhibit knowledge and skill in the assessment, diagnosis and management of patients</li> </ul>		

with ear-, nose and throat, ophthalmological-, respiratory- and cardiovascular conditions in adult and children.
<b>Mode of delivery:</b> Telematic.
<b>Assessment methods:</b> One examination paper.

<b>Module code: NSHT221</b>	<b>Semester 2</b>	<b>NKR- level:</b>
Title: Clinical Nursing Science, Health Assessment, Treatment And Care		
<b>Module-outcome:</b> On completion of this module the student should be able to:		
<ul style="list-style-type: none"> <li>• exhibit knowledge and skill in assessment , diagnosis and management of patients with gastro-intestinal-, haematological, endocrine, emergency, uro-genital, dermatological, musculo-skeletal and nervous system conditions; and</li> <li>• assess, manage and treat communicable diseases and treat patients with special problems.</li> </ul>		
<b>Mode of delivery:</b> Telematic - Contact sessions at selected study centers.		
<b>Assessment methods:</b> Assignments, tests and examination paper.		

<b>Module code: NSHT271</b>	<b>Semester 1 and 2</b>	<b>NKR- level: 6</b>
Title: Clinical Nursing Science, Health Assessment, Treatment And Care: Practica		
<b>Module-outcome:</b> On completion of this module the student should be able to:		
<ul style="list-style-type: none"> <li>• provide a comprehensive primary health care service on both the adult and child; take a full history and do a physical examination on a patient;</li> <li>• assemble and synthesize the information systematically for diagnosis and proper management of the patient; and</li> <li>• act independently within the legal and ethical framework in a diverse health team of individuals and families in the community.</li> </ul>		
<b>Mode of delivery:</b> Telematic - Completion of a portfolio and clinical practica –hours (SANC) according to guidelines and instruction.		
<b>Assessment methods:</b> Portfolio and practical examination.		

<b>Module code: NSKT211</b>	<b>Semester 1</b>	<b>NKR- level: 6</b>
Title: Pharmacology		
<b>Module-outcome:</b> On completion of this modules the student should be able to:		
<ul style="list-style-type: none"> <li>• demonstrate knowledge on common terms used in pharmacology.</li> </ul>		

Success depends on knowledge of the pharmacological language; operationalisation of the nursing process. (i.e. assessment, potential nursing diagnosis, planning, nursing interventions and evaluation) for patients receiving medication as part of a holistic patient care process; and the provision of sufficient patient/client education regarding the use of medication.
<b>Mode of delivery:</b> Contact sessions at selected study centers.
<b>Assessment methods:</b> Assignments, tests and examination paper.

<b>Module code: NSMT211</b>	<b>Semester 1</b>	<b>NKR- level: 6</b>
Title: Unit/Clinic Management		
<b>Module-outcome:</b> On completion of this module the student should be able to:		
<ul style="list-style-type: none"> <li>• explain what management and unit management is;</li> <li>• apply the management process in the nursing unit;</li> <li>• debate the necessity of policy and procedure manuals in the nursing unit;</li> <li>• describe the unit managers' financial and budgetary responsibilities;</li> <li>• illustrate an effective staff scheduling plan;</li> <li>• outline the supervisory duties of the unit manager and; and</li> <li>• formulate a disaster and emergency plan for the nursing unit.</li> </ul>		
<b>Mode of delivery:</b> Telematic - Contact sessions at selected study centers.		
<b>Assessment methods:</b> Assignments, tests and examination paper.		

<b>Module code: NSMT221</b>	<b>Semester 2</b>	<b>NKR- level: 6</b>
Title: Human Resources Management		
<b>Module-outcome:</b> After studying this module the student should be able to:		
<ul style="list-style-type: none"> <li>• discuss the principles of quality improvement;</li> <li>• apply the process of quality improvement;</li> <li>• implement a quality improvement programme in the health service;</li> <li>• formulate and apply total quality management in the health service;</li> <li>• apply risk management and case management; and</li> <li>• implement information systems in the management of the health organisation.</li> </ul>		
<b>Mode of delivery:</b> Telematic - Contact sessions at selected study centers.		
<b>Assessment methods:</b> Assignments, tests and examination paper.		

<b>Module code: NSMT271</b>	<b>Semester 1 and 2</b>	<b>NKR- level: 6</b>
Title: Health Service Management Practica		
<b>Module-outcome:</b> On completion of this module the student should be able to:		
<ul style="list-style-type: none"> <li>• apply the principles of management in the practice of Health Service Management by: evaluating clinic/hospital/units philosophy, policy, procedure manuals, formulate new philosophy, policy and procedures;</li> <li>• discuss the application of Human Resource implementation in the clinic/hospital/unit; discuss the quality control used in the clinic/hospital/unit; provide a schematic outline of a personnel development programme; and</li> <li>• discuss the role of the Health Service Manager in the clinic/hospital/unit with regard to the finances and personnel/staff/manpower.</li> </ul>		
<b>Mode of delivery:</b> Completion of portfolio according to guidelines and instruction.		
<b>Assessment methods:</b> Portfolio.		

<b>Module code: NSRT121</b>	<b>Semester 2</b>	<b>NKR- level: 5</b>
Title: Health Science Research		
<b>Module-outcome:</b> On completion of this module the student should be able to:		
<ul style="list-style-type: none"> <li>• appreciate the meaning and usefulness of Health Science Research; and</li> <li>• demonstrate a proficiency in utilising the correct methodology for each type of research; complete the research process with confidence and utilise research results in the health practice.</li> </ul>		
<b>Mode of delivery:</b> Telematic - Contact sessions at selected study centers.		
<b>Assessment methods:</b> Assignments, tests and examination paper.		

<b>Module code: OBAD112</b>	<b>Semester 1</b>	<b>NKR- level: 5</b>
Title: Introduction To Public Management		
<b>Module-outcome:</b> On completion of this module the student should be able to:		
<ul style="list-style-type: none"> <li>• understand public management and administration as a discipline; public policy and legislative framework for implementation; and</li> <li>• achieve sustainable development: the role of local government.</li> </ul>		
<b>Mode of delivery:</b> Telematic - Contact sessions at selected study centers.		
<b>Assessment methods:</b> Assignments, tests and examination paper.		