

POTCHEFSTROOM CAMPUS
HEALTH SCIENCES

POSTGRADUATE PROGRAMMES

J A A R B O E K

2017

Y E A R B O O K



NWU®

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PLEASE MENTION YOUR UNIVERSITY NUMBER IN ALL CORRESPONDENCE.

The General Academic Rules of the University, to which all students have to subject themselves and which apply to all the qualifications offered by the University, appear in a separate publication and are available on the web page at:

Please note: Although the information in this Yearbook 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. Before 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 AF Kotzé, BPharm (PU for CHE), MSc (Pharmaceutics) (PU for CHE), PhD (Pharmaceutics) (PU for CHE)

SENIOR FACULTY ADMINISTRATOR

Ms C Postma, BA (PU for CHE), Hons BA (PU for CHE), MA (PU for CHE)

CENTRE FOR PHARMACEUTICAL AND BIOMEDICAL SERVICES

Director: 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)

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

DST/NWU PRECLINICAL DRUG DEVELOPMENT PLATFORM (PCDDP)

Director: Prof AF Grobler, BSc (PU for CHE), Hons BSc (Biochemistry) (PU for CHE), MSc (Medical Biochemistry) (US), PhD (Pharmaceutics) (NWU)

Vivarium

Head: Mr CJJ Bester, National Diploma in Laboratory Animal Technology, Senior Primary Education Diploma (PEC), Higher Education Diploma (PEC)

CENTRE FOR CHILD, YOUTH, AND FAMILY STUDIES (CCYFS)

Head: Prof CHM Bloem, BSW (Social Work) (UP), BSW Hons (Industrial Sociology) (UP), MSW (Social Work) (UP), DPhil (Social Work) (UP)

UNIT FOR OPEN DISTANCE LEARNING (UODL)

Academic co-ordinator: Ms OR Appolus, BA (Nursing Science) (UNISA), BA (Hons) (Health Studies) (UNISA), BA (Hons) (Life Skills and Counselling) (University of NW), MBA (General) (MANCOSA)

RESEARCH ENTITIES

Centre of Excellence for Nutrition (CEN)

Director: Prof CM Smuts BSc (US), Hons BSc (Biochemistry)(US), MSc (Biochemistry)(US), PhD (Biochemistry)(US)

Centre of Excellence for Pharmaceutical Sciences (Pharmacén)

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

Research Unit: The Africa Unit for Transdisciplinary Health Research (AUTHeR)

Director: Prof P Bester, BCur (PU for CHE), MCur (Community Psychiatric Nursing) (PU for CHE), Advanced University Diploma in Health Service Management and Health Science Education (PU for CHE), PhD (Nursing) (NWU)

Programme leader: Master of Health Sciences in Transdisciplinary Health Promotion: Dr IM Kruger, BSc (PU for CHE), Hons BSc (PU for CHE), MSc (Cardiovascular Physiology) (NWU), PhD (Cardiovascular Physiology) (NWU)

Programme leader: Master of Health Sciences in Gerontology: Prof V Roos, BA (UP), BA Hons (Psychology) (UP), MA (Clinical Psychology) (UP), DPhil (UP)

Programme leader: Master of Arts in Positive Psychology: Dr. L Schutte, BSc (NWU), BSc Hons (Statistics) (NWU), MSc (Statistics) (NWU), BSc Hons (Psychology) (NWU), MSc (Psychology) (NWU), PhD (Psychology) (NWU)

Research Unit: Hypertension in Africa Research Team (HART)

Director: Prof HW Huisman, BSc (Physiology and Biochemistry), Hons BSc (Physiology), MSc (Physiology), PhD (Physiology) (PU for CHO)

Focus area: Physical Activity, Sport and Recreation (PhASRec)

Director: Prof SJ Moss, BSc (Physiology and Biochemistry), Hons BSc (Biochemistry), Hons BSc (Biokinetics), MSc (Biochemistry), PhD (PU for CHE), MBA (NWU)

Focus area: Quality in Nursing and Midwifery (INSINQ)

Director: Prof CS Minnie, B Art ET Scien (Nursing) (PU for CHE), Hons BA (Psychology) (PU for CHE), MCur (Obstetric- and Neonatal Nursing Science) (PU for CHE), PhD (NWU)

Focus area: Community Psychosocial Research (COMPRES)

Director: Prof HB Grobler, BA (Social Sciences) (PU for CHE), BA Hons (Psychology) (UPE), MA (Research Psychology) (NWU), MDiac (Play Therapy) (UNISA), DDiac (Play Therapy) (UNISA)

Niche area: Medicine Usage in South Africa (MUSA)

Director: Prof MS Lubbe, BPharm (PU for CHE), MPharm (Pharmacy Practice) (PU for CHE), PhD (Pharmacy Practice) (PU for CHE)

Niche area: Occupational Hygiene and Health Research Initiative (OHHRI)

Director: Prof JL du Plessis, BSc (PU for CHE), Hons BSc (Physiology) (PU for CHE), MSc (Physiology) (PU for CHE), PhD (Occupational Hygiene) (NWU)

Programme leader: Master of Science in Occupational Hygiene: Prof FC Eloff, BSc (PU for CHE), Hons BSc (Physiology) (PU for CHE), Hons BSc (Industrial Physiology) (PU for CHE), MSc (Physiology) (PU for CHE), DSc (Physiology) (PU for CHE).

SCHOOL OF BIOKINETICS, 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: Ms E Kruger, BA (Sport Development) (UFS), BA Hons (UFS), MSc (Med) Biokinetics (Wits)

Institute for Sport Science and Development:

Head: Dr Y Willemse, BA (PU for CHE), Hons BA (PU for CHE), MA (PU for CHE), PhD (NWU)

Programme Managers

Human Movement Sciences & Academic Programme Manager:

Prof DDJ Malan, BSc (PU for CHE), Hons BSc (PU for CHE), MSc (PU for CHE), DSc (PU for CHE)

Recreation Science:

Ms CM Schreck, BA (PU for CHE), Hons BA (PU for CHE), MA (NWU)

Diploma in Sport Science:

Dr PH van den Berg, BA (PU for CHE), HED (PU for CHE), Hons BA (PU for CHE), MA (NWU), PhD (NWU)

Subject Group Chairs

Biokinetics:

Dr M Swanepoel BSc (Biokinetics) (PU for VHE), MSc (MBW) (NWU), PhD (MBW) (NWU)

Kinderkinetics:

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

Sport Science:

Dr C Pienaar, BSc (PU for CHE), Hons BSc (NWU), MSc (NWU), PhD (NWU)

SCHOOL OF PHARMACY

Director: Prof S van Dyk, B Pharm (PU for CHE), MSc (Pharmaceutical Chemistry) (PU for CHE), PhD (Pharmaceutical Chemistry) (PU for CHE)

Programme Leaders:

Pharmacy (Undergraduate) & Academic Programme Manager:

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

Programme for Continuous Professional Education:

Ms JH Hamman, BPharm (PU for CHE), MSc, (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:

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

Pharmaceutical Chemistry:

Prof JP Petzer, BPharm (PU for CHE), MSc (Pharmaceutical Chemistry) (PU for CHE), PhD (PU for CHE)

Pharmacy Practice:

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

Clinical Pharmacy:

Dr M Julyan, BSc (UFS), BPharm (NWU), Hons BA (Latin) (PU for CHE), MA (Latin) (UFS), PhD (Ancient Medicine) (NWU), PCDT (NWU).

SCHOOL OF PHYSIOLOGY, NUTRITION AND CONSUMER SCIENCES

Director: Prof SM Hanekom, BSc (PU for CHE), Postgraduate Diploma in Dietetics (UOFS), Hons BSc (PU for CHE), MSc (PU for CHE), PhD (PU for CHE)

Programme leaders

Dietetics:

Dr RC Dolman, BSc (Dietetics) (PU for CHE), Postgraduate Diploma in Hospital Dietetics (UP), Hons BSc (Dietetics) (NWU), MSc Nutrition (NWU), PhD Dietetics (NWU)

Nutrition Sciences:

Ms C Witten, BSc (Dietetics) (UWC), MSc (Nutrition Management) (UWC)

Occupational Hygiene:

Prof FC Eloff, BSc (PU for CHE), Hons BSc (Physiology) (PU for CHE), Hons BSc (Industrial Physiology) (PU for CHE), MSc (Physiology) (PU for CHE), DSc (Physiology) (PU for CHE)

Subject Group Chairs

Physiology:

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

Nutrition:

Dr T van Zyl, BSc (Dietetics) (PU for CHE), MSc Dietetics (NWU), PhD Dietetics (NWU)

Consumer Sciences:

Dr A Mielmann, BSc Agric Food Sciences (UFS), MSc Agric Food Sciences (UFS), PhD Food Sciences (UFS)

SCHOOL OF PSYCHOSOCIAL BEHAVIOURAL SCIENCES

Director: Prof AG Herbst, BA (MW) (UP), MA (MW) (UP), PhD (PU for CHE)

Institute for Psychology and Wellbeing

Head: Prof P Kruger BA (Public & Private Sector) (PU for CHE), BA (Hons) Psychology (PU for CHE), BA (Hons) Sport Science (PU for CHE), MA Clinical Psychology (UFS), PhD Psychology (NWU), Postgraduate Certificate: Cognitive Behavioural Therapy (Albert Ellis Institute; New York State University)

Subject Group Chairs**Psychology:**

Prof JC Potgieter, BSc (PU for CHE), Hons BSc (PU for CHE), MSc (Clinical Psychology) (UV), PhD (UV)

Social Work:

Prof EH Ryke, BA (SW) (RAU), Post Grad Dipl Philosophy (PU for CHE), MA (Mental Health) (UNISA), PhD (SW) (NWU)

SCHOOL OF NURSING SCIENCES

Acting Director: Ms E Bornman, BA Cur (Nursing Education, Nursing Management) (UNISA), Diploma Clinical Nursing Science, Assessment Treatment and Care (UOFS), MCur (Professional Nursing Science) (NWU)

Programme leaders

BCur-programme: Dr A du Preez, B Soc Sc (Nursing Sciences)(UV), Hons B Soc Sc (Nursing Sciences)(UV), BA (Nursing Administration & Education), Diploma in Advanced Midwifery & Neonatological Nursing science, MCur (Midwifery & Neonatological Nursing Science), PhD (Nursing Science) (NWU)

Post basic Programmes: Ms KD Shopo, (BNSc (NWU Mafikeng Campus), BCur (Education and Admin) (NWU Potchefstroom Campus), MCur (Health Science Education) (NWU Potchefstroom Campus)

Nursing Clinical Education: Dr R Pretorius, BCur (Nursing Science) (UP), MCur (Advanced Medical and Surgical Nursing) (UP), Advanced University Diploma (Health Science Education) (NWU), PhD (Nursing Science) (NWU)

FACULTY OF HEALTH SCIENCES

MANAGEMENT COMMITTEE:

Chairperson: Prof AF Kotzé (Dean)

Vice Chairperson: Prof SM Hanekom

Secretary: Ms C Postma (Snr Faculty Manager)

Prof JH (Hans) de Ridder Alternate: Prof B (Ben) Coetzee	Prof SJ (Hanlie) Moss Alternate: Dr JT Weilbach
Prof S (Sandra) van Dyk Alternate: Prof L Brand	Prof CS (Karin) Minnie Alternate: Prof SK (Siedine) Coetzee / prof E du Plessis
Prof SM (Grieta) Hanekom Alternate: Prof JM van Rooyen	Prof HB (Herman) Grobler Alternate: Prof KFH (Karel) Botha
Prof AG (Alida) Herbst Alternate: Proff JC Potgieter / P Kruger / EH Ryke	Prof MS (Martie) Lubbe Alternate: Dr JR (Johanita) Burger
Me E (Elsabe) Bornman Alternate: Dr A (Antoinette) du Preez	Prof JL du Plessis Alternate: Prof FC (Fritz) Eloff
Prof CM (Marius) Smuts Alternate: Prof M Pieters	Prof CHM (Retha) Bloem Alternate: Dr Shanaaz Hoosain
Prof J (Jeanetta) du Plessis Alternate: Prof JH Hamman	Prof B (Banie) Boneschans Alternate: Dr E (Erna) Swanepoel
Prof P (Petra) Bester Alternate: Dr L (Lanthé) Kruger	Prof AF (Anne) Grobler Alternate: Ms L-M (Lize-Mari) Scholtz
Prof HW (Hugo) Huisman Alternate: Prof AE (Alta) Schutte	Prof M (Minrie) Greeff (Ad-hoc member) Prof APS (Petro) Terblanche (Ad-hoc member)

FACULTY BOARD

Tel	Name	Position
Office of the Dean		
992223	1. Prof AF (Awie) Kotzé	Dean (Chairperson)
992221	2. Ms C (Corrie) Postma	Senior Faculty Manager
School of Biokinetics, Recreation and Sport Science		
991800	3. Prof JH (Hans) de Ridder	Director & Professor
991795	4. Prof DDJ (Dawie) Malan	Professor (Human Movement Sciences) – Academic Programme Manager
991796	5. Prof AE (Anita) Pienaar	Professor (Kinderkinetics)
991803	6. Prof B (Ben) Coetzee	Associate professor (Sport Science)
991793	7. Prof A (Ankebé) Kruger	Associate professor (Human Movement Sciences)
994284	8. Dr C (Cindy) Pienaar	Senior Lecturer (Sport Science)
992282	9. Dr M (Mariëtte) Swanepoel	Senior Lecturer (Biokinetics)
991811	10. Dr Y (Yolandi) Willemse	Senior Lecturer (Sport Science)
991797	11. Ms W (Wilmarié) du Plessis	Lecturer (Kinderkinetics)
991896	12. Ms CM (Cornelia) Schreck	Lecturer (Recreation Science)
991802	13. Dr PH (Pieter) van den Berg	Lecturer (Dipl Sport Science)
99175	14. Ms E (Esti) Kruger	Head: Institute for Biokinetics
School of Pharmacy		
992267	15. Prof S (Sandra) van Dyk	Director & Associate professor
992234	16. Prof CB (Tiaan) Brink	Professor (Pharmacology)
992249	17. Prof PJ (Pieter) Milne	Professor (Pharmaceutical Chemistry)
992206	18. Prof JP (Jacques) Petzer	Professor (Pharmaceutical Chemistry)
992233	19. Prof L (Linda) Brand	Associate professor (Pharmacology)
994246	20. Prof LH (Lissinda) du Plessis	Associate professor (Pharmaceutics)
992276	21. Prof AF (Dries) Marais	Associate professor (Pharmaceutics)
992276	22. Prof JH (Jan) Steenekamp	Associate professor (Pharmaceutics)
992275	23. Prof JC (Anita) Wessels	Associate professor (Pharmaceutical

Tel	Name	Position
		Chemistry)
992264	24. Prof G (Gisella) Terre' Blanche	Associate professor (Pharmaceutical Chemistry)
992255	25. Mr WD (Willem) Basson	Senior Lecturer (Pharmacy Practice)
992278	26. Ms L (Liezl) Badenhorst	Senior Lecturer (Pharmaceutics)
992204	27. Dr JM (Jesslee) du Plessis	Senior Lecturer (Clinical Pharmacy)
994073	28. Ms JH (Hannlie) Hamman	Senior Lecturer (Continuing Professional Education)
994290	29. Dr R (Rianda) Joubert	Senior Lecturer (Pharmaceutics)
994446	30. Dr M (Marlene) Julyan	Senior Lecturer (Clinical Pharmacy)
992239	31. Ms I (Irma) Kotzé	Senior Lecturer (Pharmacy Practice)
992364	32. Dr DM (Dorcas) Rakumakoe	Senior Lecturer (Clinical Pharmacy)
992273	33. Dr JM (Joe) Viljoen	Senior Lecturer (Pharmaceutics)
994483	34. Dr DJ (Dewald) Steyn	Senior Lecturer (Pharmaceutics)
992232	35. Dr M (Michelle) Viljoen	Senior Lecturer (Pharmacology)
992254	36. Ms M (Martine) Vorster	Senior Lecturer (Clinical Pharmacy)
852382	37. Dr M (Marisa) Möller-Wolmarans	Senior Lecturer (Pharmacology)
992183	38. Mr LN (Nico) Scheepers	Lecturer (Clinical Pharmacy)
992247	39. Ms A (Adele) Naudé	Lecturer (Pharmacy Practice)
992228	40. Mr S (Stephan) Steyn	Lecturer (Pharmacology)
<i>School of Physiology, Nutrition and Consumer Sciences</i>		
992027	41. Prof SM (Grieta) Hanekom	Director & Associate professor
992438	42. Prof L (Leone) Malan	Professor (Physiology)
992440	43. Prof JM (Johannes) van Rooyen	Professor (Physiology)
994283	44. Prof CMT (Carla) Fourie	Associate Professor (Physiology)
992442	45. Prof FC (Fritz) Eloff	Associate professor (Occupational Hygiene)
994011	46. Dr RC (Robin) Dolman	Senior Lecturer (Nutrition)
992399	47. Dr L (Lize) Havemann-Nel	Senior Lecturer (Nutrition)
992085	48. Dr T (Tani) Lombard	Senior Lecturer (Nutrition)

Tel	Name	Position
992483	49. Dr H (Hanli) de Beer	Senior Lecturer (Consumer Sciences)
992084	50. Dr J (Hanlie) van Staden	Senior Lecturer (Consumer Sciences)
992474	51. Dr A (Annchen) Mielmann	Senior Lecturer (Consumer Sciences)
852292	52. Dr T (Tertia) van Zyl	Senior Lecturer (Nutrition)
992467	53. Ms C (Chantell) Witten	Senior Lecturer (Nutrition)
992083	54. Ms N (Neoline) le Roux	Lecturer (Consumer Sciences)
<i>School of Psychosocial Behavioural Sciences</i>		
994079	55. Prof AG (Alida) Herbst	Director & Associate professor
852270	56. Prof WJH (Wim) Roestenburg	Professor (Social Work)
991681	57. Prof ML (Mike) Weyers	Professor (Social Work)
991735	58. Prof KFH (Karel) Botha	Professor (Psychology)
991727	59. Prof E (Esmé) van Rensburg	Professor (Psychology)
991726	60. Prof JC (Johan) Potgieter	Professor (Psychology)
991687	61. Prof EH (Elma) Ryke	Associate professor (Social Work)
991683	62. Prof CC (Cornelia) Wessels	Associate professor (Social Work)
991388	63. Prof P (Pieter) Kruger	Head: Institute for Psychology and Wellbeing
991725	64. Dr W (Werner) de Klerk	Senior Lector
992132	65. Dr CM (Tertia) Oosthuizen	Senior Lecturer (Psychology)
991682	66. Dr S (Sufran) Smith	Senior Lecturer (Social Work)
991387	67. Ms HK (Heleen) Coetzee	Lecturer (Psychology)
852388	68. Dr AG (Ruan) Spies	Lecturer (Psychology)
<i>School of Nursing Sciences</i>		
991889	69. Ms E (Elsabe) Bornman	Acting Director & Senior Lecturer
991837	70. Dr A (Antoinette) du Preez	Senior Lecturer
991853	71. Dr R (Ronel) Pretorius	Senior Lecturer
991833	72. Dr B (Belinda) Scrooby	Senior Lecturer
<i>Centre: Centre of Excellence for Nutrition (CEN)</i>		
994670	73. Prof CM (Marius) Smuts	Director & Professor
992481	74. Prof JC (Johann) Jerling	Professor

Tel	Name	Position
992482	75. Prof HS (Salome) Kruger	Professor (Nutrition)
994668	76. Prof M (Marlien) Pieters	Professor
Centre: Centre of Excellence for Pharmaceutical Sciences (Pharmacen)		
992274	77. Prof J (Jeanetta) du Plessis	Director & Professor
992238	78. Prof BH (Brian) Harvey	Professor
994035	79. Prof JH (Sias) Hamman	Research professor
994467	80. Prof W (Wilna) Liebenberg	Professor
992282	81. Prof N (Nicole) Stieger	Associate professor
Research Unit: The Africa Unit for Transdisciplinary Health Research (AUTHeR)		
992094	82. Prof P (Petra) Bester	Director & Associate Professor
852381	83. Dr GM (Gerda) Reitsma	Senior Lecturer
992093	84. Dr L (Lanthé) Kruger	Senior Lecturer
Research Unit: Hypertension in Africa Research Team (HART)		
992439	85. Prof HW (Hugo) Huisman	Director & Professor
991983	86. Dr C (Carina) Mels	Senior Lecturer
992053	87. Dr W (Wayne) Smith	Senior Lecturer
Focus area: Physical Activity, Sport and Recreation (PhASRec)		
991821	88. Prof SJ (Hanlie) Moss	Director & Associate professor
991790	89. Prof MA (Andries) Monyeki	Professor (Human Movement Sciences)
992037	90. Dr JT (Theron) Weilbach	Senior Lecturer (Recreation Science)
Focus area: Quality in Nursing and Midwifery (INSINQ)		
991836	91. Prof CS (Karin) Minnie	Director & Associate professor
991879	92. Prof SK (Siedine) Coetzee	Associate professor
991884	93. Prof E (Emmerentia) du Plessis	Associate professor
Focus area: Community Psychosocial Research (COMPRES)		
991745	94. Prof HB (Herman) Grobler	Director & Associate professor
Niche area: Medicine Usage in South Africa (MUSA)		
992288	95. Prof MS (Martie) Lubbe	Niche area leader & Professor

Tel	Name	Position
992285	96. Dr JR (Johanita) Burger	Senior Lecturer
Niche area: Occupational Hygiene and Health Research Initiative (OHHRI)		
992434	97. Prof JL (Johan) du Plessis	Niche area leader & Associate professor
Centre for Child, Youth and Family Studies (CCYFS)		
	98. Prof CHM (Retha) Bloem	Head: SKJF & Associate professor
Centre for Pharmaceutical and Biomedical Services (CPBS)		
992280	99. Prof B (Banie) Boneschans	Director & Professor
992325	100. Dr E (Erna) Swanepoel	Head: RIIP/CENQAM (Expert Subject Specialist)
992322	101. Dr M (Marius) Brits	Expert Subject Specialist (RIIP)
DST / NWU Preclinical Drug Development Platform (PCDDP)		
994467	102. Prof AF (Anne) Grobler	Director & Professor
852606	103. Prof R (Rose) Hayeshi	Professor
SARCHI Chair in Hypertension & MRC Unit: Research Unit for Hypertension and Cardiovascular Disease		
992444	104. Prof AE (Alta) Schutte	Professor (Research chair & Director)
Health Sciences Ethics Office for Research, Training and Support		
991901	105. Prof M (Minrie) Greeff	Head & Professor
852291	106. Dr GW (Wayne) Towers	
Student representatives		
	107. Me Marize Viljoen (Nutricamus)	E-pos: viljoenmarize@gmail.com Sel: 071 366 2233
	108. Mr Muller Terblanche (PASV)	Email: muller.terblanche770@gmail.com Cell: 072 9595909
Representatives from other faculties/entities		
992501	109. Prof M (Mark) Maboeta	Natural Sciences
852309	110. Dr M (Marissa) de Klerk	Economic and Business Management
991794	111. Dr T (Tina) de Winter	Arts
991591	112. Dr H (Hannelie) Yates	Theology
994766	113. Dr DK (Doret) Kirsten	Education
992179	114. Ms OR (Ruth) Appolus	Unit for Open Distance Learning

G.1 FACULTY RULES

G.1.1 AUTHORITY OF THE GENERAL RULES

The faculty rules, guidelines and procedures applicable to the different qualifications, programmes and curricula of this faculty, and contained in this faculty yearbook, 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, guidelines and procedures should therefore be read in conjunction with General Rules.

The Manual for Masters and Doctoral students, with specific guidelines and procedures for masters and doctoral studies, as well as quality measures of research entities also apply. The manual can be obtained at:

http://www.nwu.ac.za/sites/www.nwu.ac.za/files/files/library/documents/manual_postgrad.pdf

G.1.2 FACULTY SPECIFIC RULES

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

All requirements with regard to different programmes are indicated at the respective programmes in this yearbook.

G.1.2.1 General rules

The following general rules apply in the faculty:

G.1.2.1.1 Admission

G.1.2.1.1.1 Application procedure and requirements

- a) Subject to A Rule 1.2.1: A prospective masters and doctoral student applies for admission to a qualification programme in the faculty by completing the prescribed University application form either on paper or electronically and submitting it to Higher Degrees Administration together with the prescribed documentation, fees for application and selection (where applicable), or proof of payment thereof.
- b) Prospective honours students also apply for admission to a qualification programme in the faculty by completing the prescribed University application form either on paper or electronically and submit their applications to the Admissions office.
- c) Subject to A Rule 1.2.2: No application for admission is accepted if the applicant does not, in addition to the general admission requirements, also comply with faculty specific requirements and rules where applicable for the qualification programme.
- d) Subject to A Rule 1.2.3: The faculty reserves the right to select students before admission to specific programmes and not to admit applicants to a relevant qualification if they do not satisfy the selection standards, even where such applicants do meet the minimum admission requirements.
- e) Subject to A Rule 1.3.1: No applicant is registered as a student before such person is admitted to a specific qualification programme in the

faculty and received a confirmation letter concerning his/her admission from the Admissions office or Higher Degrees Administration.

- f) Subject to A Rule 4.2 and 5.2: Admission requirements, as set out in the Admissions Policy of the University for Qualifications hold.
- g) Selection processes are revised and approved by the faculty annually. Selection will take place during the approved time schedules for each programme as indicated in this yearbook.

G.1.2.1.2 Registration

G.1.2.1.2.1 Annual registration

- a) Subject to A-rule 4.3.2.1 and 5.3.2.1, a masters or doctoral student who has been admitted to the University registers for a specific qualification programme per annum for the duration of the study at the time determined in the annual calendar for that purpose, by paying the prescribed registration fee, completing the registration form either on paper or electronically, acquiring the required approval from faculty advisers and other functionaries concerned and submitting the form to the relevant registration office, upon which proof of registration is issued to the student. (The aforementioned also hold for reregistration of existing students).
- b) Honours students register annually during the time frame for registration as provided for by Academic Administration.
- c) Subject to A-rule 4.3.2.3 and 5.3.2.3: A student who do not register by 31 March annually, can in the same calendar year, apply to the dean for late registration for which a penalty may apply as set by the registrar. Late registrations up to 31 May each year will be granted.

G.1.2.1.2.2 Use of University facilities by registered students

- a) Subject to specific exceptions granted by the campus registrar concerned, only registered postgraduate students are entitled to make use of University facilities.

G.1.2.1.2.3 Submission to rules and resolutions

- a) By signing and submitting the application and registration forms either on paper or electronically a postgraduate student agrees to be bound by all rules, policies and decisions of the University for the duration of study at the University.

G.1.2.1.2.4 Duration of registration

- a) A postgraduate student who was admitted to the University and who is officially registered remains a student of the University for as long as the registration is valid, or until such time the registration is cancelled by the student or by the faculty due to inadequate academic progress.

G.1.2.1.2.5 Erroneous registration

- a) The faculty reserves the right to cancel any erroneous registration and to withdraw any qualification that was awarded erroneously after the conclusion of a disciplinary process or the completion of a thorough administrative enquiry.

G.1.2.1.2.6 Amendment or cancellation of registration

- a) A student's registration may only be amended or cancelled in the prescribed manner upon application. The faculty may cancel a student's registration for a particular module where such registration was done contrary to faculty rules.
- b) A student whose registration is discontinued or cancelled by the faculty for inadequate academic progress or any other reason as stipulated in faculty rules, will be held liable for reimbursement of bursaries granted.

G.1.2.1.2.7 Exemption from registration

- a) A postgraduate student who still needs to write a paper or make improvements to an examined dissertation or mini-dissertation and who can attain the qualification at the autumn graduation ceremony, does not register for a new year, provided that the examination is successfully completed by the end of January of the new year or the dissertation or mini-dissertation is satisfactorily improved by the end of January of that new year.

G.1.2.1.2.8 Research proposal and title registration for masters and doctoral degrees

- a) Subject to A-rule 4.3.1.1 and 5.3.1.1: The student must within nine months after registration (as regards 4.1.2.1) or six months after completion of the last exam (in case of lectured masters degrees) in consultation with a possible supervisor present a research proposal and title registration to a body determined by faculty rules for approval, which body also formalises the appointment of a supervisor and where necessary co- or assistant supervisors in consultation with the directors having an interest therein.
- b) Subject to A-rule 4.3.1.3 and 5.3.1.3: If, in any year, a student fails to reregister as student at the time determined in the annual calendar, the faculty board concerned may assign the topic of the dissertation, mini-dissertation or thesis, if already registered, to another student in the same research entity.

G.1.2.1.3 Termination of study

- a) Subject to A-rule 2.4.8: The dean may, on the advice of the research director, terminate a student's studies, and report such termination to the Senate if the student has already received two warnings and for the third time fails to show satisfactory academic performance.
- b) Subject to A-rule 4.4.11 and 5.4.11: The dean can on recommendation of the research director or research entity leader concerned, or where applicable, to the school director concerned, terminate a student's study if the student:
 - fails to comply with all the requirements of Senate or the faculty; or
 - exceeds the maximum duration of the study period as determined by faculty rules; or
 - after being granted an extended study period, still fails to complete the study.
- c) A student, whose studies have been terminated by the faculty, cannot be re-admitted to the same programme in the next academic year, unless

exceptional motivation was submitted by the research director and it is approved by the dean. The student must however apply anew and pass the selection process.

- d) Subject to A-rule 4.4.11.2: A student whose studies was terminated by the faculty can apply for admission to any other programme, but must make mention of the termination of studies during application.
- e) A student may voluntarily cancel his/her studies at any time on condition that intellectual property following research conducted at the university during the study period remains the property of the University, unless approved by the research director that it can be transferred to the student. This also applies to termination of studies.

G.1.2.1.4 Exceptions and requests

G.1.2.1.4.1 General rule concerning student requests

No academic request can be approved without the submission and processing of a formal student request or specific request form for that purpose, which is processed according to guidelines outlined in this document. No verbal approval will be given for any student request. All decisions will be confirmed in the minutes of the relevant faculty structure meeting.

G.1.2.1.4.2 Simultaneous registration at more than one institution

- a) A postgraduate student may not be registered simultaneously at the University and at any other higher education institution without written permission granted by the dean and with the concurrence of the other institution.

G.1.2.1.4.3 Simultaneous registration for more than one qualification

- a) A postgraduate student may not be registered simultaneously for more than one qualification within the University without prior written permission granted by the dean.

G.1.2.1.4.4 Re-admission after interruption of studies

- a) Subject to A-rule 1.4.1: Where a student's study was interrupted for a year or longer, with consent from the dean, the student must apply anew for admission by completing the relevant application and obtaining written permission of the dean to be re-admitted. The student will be liable for payment of outstanding financial accounts concerning preceding academic years before re-admission can be approved.
- b) Subject to A-rule 4.3.2.4 and 5.3.2.4: The dean has the discretionary authority to set reasonable conditions for such re-admission and must report such conditions to the vice-rector.
- c) Interruption of masters and doctoral studies will only be allowed due to medical illnesses. Students' requests must be well motivated and accompanied by supporting documents.
- d) Application for interruption of studies will be approved for one academic year only. Students who had been granted permission to interrupt their studies before, will have no entitlement to re-admission in the event of lack of supervision or any other restrictions in the research entity.

G.1.2.1.4.5 Extension of period of study

- a) The minimum and maximum period of study per qualification as specified in this yearbook hold.
- b) An honours student who does not expect to complete the curriculum for a qualification programme within the maximum number of years may, before the end of the final academic year, apply to the school director concerned for an extension of the study period.
- c) Masters and doctoral students who are not anticipated to complete their studies within the maximum number of years may, apply before the end of the final academic year to the research director or –leader or where applicable the school director concerned for an extension of the study period with one academic year. The research director or –leader or where applicable the school director concerned will make a recommendation concerning the extension of the study period to the Faculty Board.

G.1.2.1.4.6 Registration for additional modules

- a) A postgraduate student may upon request, but subject to faculty rules be allowed in any study year and in conjunction with compulsory modules, to register for additional modules not required in the curriculum concerned.

G.1.2.1.4.7 Recognition and exemption of modules

- a) A student who has studied at another recognised higher education institution or at this University and who applies to register in a honours qualification programme at the University, may apply in writing to the dean for recognition or exemption of modules required for the qualification programme for which the student wishes to register, provided that the dean may grant recognition or exemption for no more than half the credits, preferably regarding the modules in the junior year levels of the qualification programme concerned.
- b) A student who has acquired a qualification from the University or any other recognised higher education institution and who applies for registration in a masters' programme with taught modules at the University, may apply in writing to the dean concerned for recognition or exemption of taught modules required for the qualification programme for which the student wishes to register, provided that the dean may grant recognition or exemption for no more than half the credits allocated to the taught or performing arts modules.
- c) The period of recognition or exemption of modules will be determined by the relevant subject group but is not to exceed 5 years.
- d) Any registered postgraduate student who wishes to change to another curriculum, may within the framework of the applicable rules apply in writing to the Faculty Board for recognition or exemption of modules already passed and which are included in the new curriculum.

G.1.2.1.4.8 Upgrade of master's degree study to doctoral study

- a) A candidate registered for a master's degree study who, in the unanimous opinion of the supervisor concerned, the research director or research entity leader concerned, or where applicable, the school director concerned, has achieved outcomes of a quality and extent acceptable for

a doctoral degree, may apply to the Faculty Board concerned to convert the registration for a master's degree to that for a doctoral degree.

- b) A candidate to whom such a concession is made, must, where applicable, successfully complete the paper component of the master's degree examination before the thesis may be submitted; and
- c) must comply with all the rules and requirements set by the University regarding a doctoral degree;
- d) The student only receives the doctoral degree after the number of credits for the Master's degree papers, where applicable, has been attained; and
- e) the minimum period required for the registration of the doctoral degree, has expired.

G.1.2.1.5 Examination

G.1.2.1.5.1 Appointment of examiners/ moderators for honours degrees

- a) For every non-exit level module there is at least one internal examiner and at least one internal moderator.
- b) Every exit-level module is moderated externally at least every second year by a person or persons with the required qualifications, provided that such a person or persons may not be a staff member or otherwise connected to the University by way of an extraordinary appointment.
- c) The supervisor of an honours mini-dissertation may not be an internal examiner of such a mini-dissertation.

G.1.2.1.5.2 Nature of examination (Masters and doctoral degrees)

- a) For the examination for the purpose of attainment of a master's degree, the following may be required:
 - a dissertation only, or
 - one or more examination papers and a dissertation, or
 - one or more examination papers and a mini-dissertation,
 - a series of manuscripts in article format.
- b) For the examination for the purpose of attainment of a doctoral degree, the following may be required:
 - a thesis; or
 - a series of manuscripts in article format.

G.1.2.1.5.3 Appointment of examiners for masters and doctoral students

- a) Subject to A-rule 1.8, 4.4.3.1 and 5.4.3.1: For the examination of every dissertation, mini-dissertation, thesis or lectured master's module, examiners/moderators must be appointed in accordance with the provisions of faculty rules, to conduct the assessment of a student's performance in an examination.

- b) Subject to A-rule 4.4.4.1: The examination of a module in a lectured master's degree is moderated externally unless the module is examined externally.
- c) The following faculty rules apply concerning the appointment of examiners for mini-dissertations, dissertations and theses:

Examining of mini-dissertations and dissertations:

- Supervisors will not be appointed as examiners;
- At least (3) three examiners will be appointed;
- A maximum of (2) two uninvolved persons attached to the university will be appointed as internal examiners;
- At least one examiner will be external, and therefore by no means attached to the university;
- There will not be any conflicting interests of persons (A Rule 1.8);
- Examiners who functioned as co-workers in the same project or article will not be appointed as examiners;
- External examiners may not be attached to the same institution/department;
- Examiners must have as minimum requirement a master's degree or equal qualification, but at least one examiner of an examination panel nominated for the same student should preferably be on doctoral level;
- Examiners will not be involved with the study guidance of the student;
- Recurrent usage of the same examiners must be avoided. During the same examining period an examiner may examine only one mini-dissertation/dissertation and one thesis, except by way of exception and when no other examiners are available who have the specific expertise required;
- Persons who have during the last 12 months served as postgraduate student of a supervisor will not be appointed as examiner for students of that supervisor;
- Extraordinary staff members are appointed as internal examiners;
- Academics who were attached to the NWU and have since moved to a foreign university, may after a period of 12 months be appointed as external examiners.

Examining of theses

- Promoters will not be appointed as examiners;
- At least (3) three examiners will be appointed;
- Not less than (2) two external examiners will be appointed, of whom one has preferably to be situated abroad or internationally accredited;
- There will not be any conflicting interests of persons (A Rule 1.8);
- Examiners who functioned as co-workers in the same project or article will not be appointed as examiners;
- External examiners who are appointed may not be attached to the same institution/department;
- Examiners will have as minimum requirement a doctoral degree or equal qualification, and at least one examiner must have delivered students at the same qualification level before successfully;
- At least one examiner should have publications in the field within which the research has been completed;
- Examiners will not be involved with the study guidance process of the student;
- Recurrent usage of the same examiners must be avoided. An examiner appointed for examining a thesis may during the same examining period examine only one dissertation or mini-dissertation additionally, except by way of exception and when no other examiners are available who have the specific expertise required;
- Persons who have during the last 12 months served as postgraduate student of a promoter will not be appointed as examiner for students of that promoter;
- Extraordinary staff members are appointed as internal examiners;
- Academics who were attached to the NWU and have since moved to a foreign university, may after a period of 12 months be appointed as external examiners

G.1.2.1.5.4 Submission of dissertation or mini-dissertation or thesis for examination

- a) Subject to A-rule 4.4.2.1 and 5.4.2.3: A dissertation, mini-dissertation or thesis is submitted for examination with the written consent of the supervisor/promoter.
- b) Subject to A-rule 4.4.2.3 and 5.4.2.1: A dissertation, mini-dissertation or thesis must be submitted for examination before or on the date annually shown in the time table for the relevant year.
- c) Important notice: Candidates who wish to commence with internships in January must submit for examination at the beginning of October of their final year already to ensure that the examination process will be completed in time. Late submission may interrupt candidates who wish to commence with their internships at the beginning of January of the following year.

- d) Subject to A-rule 4.4.2.2: A masters or doctoral student who is dissatisfied with any aspect of the study guidance provided by a supervisor or promoter, can raise such matters in writing to the research director, who will resolve the matter in consultation with the dean. The research director shall respond to the student in writing before a dissertation, mini-dissertation or thesis is submitted for examination.
- e) Subject to A-rule 4.4.2.4 and 5.4.2.2: The number of hardcopies of a dissertation, mini-dissertation or thesis to be submitted for examination, and after successful examination for safe keeping, are determined according to examiners' needs.
- f) Subject to A-rule 4.4.2.5 and 5.4.2.4: Where the supervisor/promoter withholds permission for a dissertation, mini-dissertation or thesis to be submitted for examination the relevant research director may after consultation with the supervisor/promoter and the student, recommend the granting of leave for submission to the dean.
- g) Subject to A-rule 4.4.2.6 and 5.4.2.5: A dissertation, mini-dissertation or thesis must comply with the technical requirements of the university.
- h) Subject to A-rule 4.4.2.8: With the submission of any dissertation or mini-dissertation, not submitted in the form of a series of manuscripts in article format, faculty rules do not require any proof from the candidate that a research article was submitted to an accredited journal, unless it is specified in the yearbook of the faculty as prerequisite. (RC 10 October 2012)
- i) Subject to A-rule 5.4.2.6: With the submission of any thesis faculty rules require proof that the candidate submit at least one research article to an accredited journal. Proof of the submission of the article must be bind in with the thesis. Minimum specifications of Academic rules of the University will generally hold. (RC 10 October 2012)
- j) Subject to A-rule 4.4.2.9 and 5.4.2.7: Where a candidate is allowed to submit a dissertation, mini-dissertation or thesis in the form of a published research article or articles or as an unpublished manuscript or manuscripts in article format and one or more than one such article or manuscript is used, the dissertation, mini-dissertation or thesis must still be presented as a unit, supplemented with an inclusive problem statement, a focused literature analysis and integration and with a synoptic conclusion, and the guidelines of the journal concerned also included. (RC 10 Oct 2012)
- k) The number of articles required for the submission of a PhD thesis will be determined by the relevant research entity.
- l) Subject to A-rule 4.4.2.13 and 5.4.2.11: After a dissertation, mini-dissertation or thesis has been submitted for examination, it may not be withdrawn.
- m) Subject to A-rule 4.4.4.3 and 5.4.4.2: The supervisor/promoter, co-supervisor/promoter or assistant supervisor/promoter does not communicate or negotiate with examiners about the examination after the examination copies of the dissertation, mini-dissertation or thesis have been submitted or shipped to the examiners.

G.1.2.1.5.5 Requirements for admission to examination (Honours degrees)

- a) An honours student, who achieved the required participation mark or proof of participation prescribed in the requirements of each programme, is admitted to the examination in the module concerned.
- b) Pass requirements for every honours curriculum and module, 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, are provided for in the requirements of the programme concerned.
- c) An honours degree is passed with distinction if a final mark of at least 75% average is obtained in all the core elements of the degree.

G.1.2.1.5.6 Examination opportunities (Honours and lectured masters degrees)

- a) If an honours module is failed completely, the student must repeat the full module except where faculty rules specify otherwise.
- b) A student who fails one or more of the modules of an honours in an examination can be granted a second examination opportunity in the module(s) concerned, except where faculty rules provide otherwise.
- c) A student may, within the maximum period allowed for the study, repeat examination papers once in modules not exceeding 25% of the honours curriculum concerned.
- d) A student who, after making use of all the ordinary examination opportunities, passed all the modules required in an honours programme except one, may apply to the dean for a final assessment opportunity in the outstanding lectured module, for which payment of the required amount, but not registration, is required. All specifications in this yearbook shall be considered beforehand.
- e) Subject to A-rule 4.4.6.1: A student who fails one or more of the modules of a masters study in an examination may be granted a second examination opportunity by the dean in the module(s) concerned after consultation with the school director, except where faculty rules provide otherwise and a second examination opportunity is not optional.
- f) Subject to A-rule 4.4.6.2: A student who fails any lectured master's degree module(s) after a second or additional examination opportunity must repeat such module(s) in full in the following academic year before the qualification will be awarded, on condition that such modules should not exceed 25% of the curriculum concerned. This rule is subject to specific requirements for each qualification programme specified in the yearbook of the faculty
- g) A student who fails one or more modules of a lectured master's degree after the first examination, and/or has not obtained the required subminimum to allow for a second opportunity, may by means of a student request apply for a second opportunity, except when it is specifically excluded by the stipulations of faculty rules specified in the postgraduate yearbook.
- h) Subject to A-rule 4.4.6.3: A student who, after making use of all the available examination opportunities, passed all the modules required in a master's programme except one, may apply to the dean concerned for a

final assessment opportunity in the outstanding module, for which payment of the required amount, but not registration, is required.

G.1.2.1.5.7 Examination of mini-dissertations, dissertations and theses

- a) Subject to A-rule 4.4.4.4 and 5.4.4.3: Each examiner separately submits a written report on the dissertation, mini-dissertation or thesis to Higher Degrees Administration, who will refer it to the faculty.
- b) Subject to A-rule 4.4.4.5 and 5.4.4.4: All final results will be approved by the dean where after the student can be informed of the result. Final results are then ratified at the Faculty Board.
- c) Subject to A-rule 4.4.4.6 and 5.4.4.5: An examiner may recommend that a dissertation, mini-dissertation or thesis:
 - Be accepted unconditionally; or
 - be accepted on condition that specified corrections be made, in which case the supervisor is responsible, in consultation with the research director or research entity leader concerned, or where applicable, the school director concerned, to provide the candidate within 14 calendar days after receipt of all the examiners' reports with a memorandum setting out the specified corrections required; or
 - be referred back to the candidate for revision and/or elaboration and resubmission for re-examination, in which case the supervisor is responsible, in consultation with the research director or research entity leader concerned, or where applicable, the school director concerned, to provide the candidate within 14 calendar days after receipt of all the examiners' reports with a memorandum setting out the nature and extent of the revision or elaboration required; or
 - Be not accepted, in which case the candidate fails.
- d) Subject to A-rule 4.4.4.9 and 5.4.4.8: A revised or elaborated dissertation, mini-dissertation or thesis may only be submitted for re-examination after the next occasion on which degrees are conferred, and also before or on the submission date determined in the time table of the year concerned.
- e) Subject to A-rule 4.4.4.10 and 5.4.4.9: Where examiners are unanimous about a student's passing in any examination, the decision is final.
- f) Subject to A-rule 4.4.5.1 and 5.4.5.1: The dean will in consultation with the research director concerned, or where applicable, the school director concerned, clarify with examiners anything that is not clear in an examiner's report.
- g) Subject to A-rule 4.4.5.4 and 5.4.5.3: Where examiners differ materially about the evaluation of a dissertation, mini-dissertation or thesis, an examination committee will be called by the dean to evaluate all evaluation reports. The dean can on recommendation of the committee, appoint an additional external examiner or examiners, or take other discretionary steps that may be necessary to ensure that a fair and academically defensible examination result is obtained.
- h) Subject to A-rule 4.4.5.2 and 5.4.5.2: Any comments that arise from the inspection must, within 14 calendar days after the date of the notice of availability for inspection be submitted to the dean concerned. The dean

will request the examination committee to evaluate the comments along with the examiner reports, and if such comments on merit appears to be fundamentally different from the reports of the examiners, will appoint an external expert who must specifically evaluate the comments received in relation to the examiner reports, and whose recommendation must be taken into account by the examination committee in determining a final result.

- i) Subject to A-rule 2.4.3.1: A student passes the examination in a particular dissertation, mini-dissertation if a mark of at least 50% is attained in the assessment, except where faculty rules provide otherwise.
- j) Subject to A-rule 4.5.2: A mini-dissertation or dissertation is passed with distinction where, at the examination thereof an average mark of at least 75% is awarded. A master's degree is consequently passed with distinction where a weighted average of at least 75% is achieved in all the elements examined.
- k) Condonation: A final mark of 73.555% for a mini-dissertation or dissertation will be condoned by the dean to 75% (pass with distinction), unless it can be motivated that the quality of the study does not comply with the standards for a distinction.
- l) Subject to A-rule 4.4.4.8 and 5.4.4.7: A dissertation, mini-dissertation or thesis may only once be referred back to a candidate and after revision be re-submitted for examination. The resubmission must take place within 1 year after the result was made known to the candidate, unless the dean is convinced that valid reasons for an extension exist. A revised or elaborated dissertation/mini-dissertation or thesis will only be submitted for re-examination to the examiner(s) by whom it was referred back, unless immense adjustments were made. Other examiners will be informed about the resubmission and given a choice of re-examination or to uphold their previous assessment.
- m) Subject to A-rule 5.4.6: A student who fails a dissertation, mini-dissertation or thesis may apply at most once to be re-admitted to the same qualification programme at the University.

G.1.2.1.5.8 Classification of dissertations and mini-dissertations and theses

- a) The classification of theses and dissertations through which some or other restriction is imposed on the disclosure or dissemination of such knowledge should thus be regarded as an exception. This should be permitted only in exceptional cases and after due consideration at a suitable level and in accordance with accountable norms and fixed procedures. All applications for classification and associated processes should therefore be tested against this principle point of departure.
- b) Where a dissertation/mini-dissertation or thesis is classified in terms of Senate policy, effect is given to the rules laid down by Senate for this purpose in the examination process.

G.1.2.1.5.9 Dispute resolution

- a) Subject to A-rule 2.4.9: A student can officially apply at the school director for access to marked examination work as well as the memoranda (concerning lectured modules). Applications will be considered and approved on the following conditions:

- the student may view the answer paper and memorandum in the presence of the lecturer and subject group chairperson concerned;
 - the lecturer may give an indication of the problem areas concerned;
 - failures in calculation of marks or questions not marked, will be revised, remarked and recalculated where applicable;
 - answer papers will otherwise not be remarked;
 - students may still make use of the second opportunity of examinations after access is allowed to marked examination work of the first examination; and
 - an application to view answer papers must be made within a maximum period of five working days after the marks have been made available.
- b) Subject to A-rule 4.4.7: A masters or doctoral student who failed and were not awarded a degree after examination, may in case of dissatisfaction concerning any aspect of the procedures followed during the examination process of the dissertation, mini-dissertation or thesis concerned, submit a written notice to the dean, who will handle the complaint in consultation with the research director and supervisor/promoter. Once all avenues to dispense with the dissatisfaction are exhausted, the student can declare a dispute with the University as prescribed in Academic Rules.

G.1.2.1.6 Attainment of the degree

- a) The honours degree is attained when a student has passed in the examination of all the modules prescribed in faculty rules for the programme concerned. (The honours degree is conferred with distinction where the student completes the degree in the minimum period and obtained an average of 75% in all the core-modules.)
- b) The master's degree is attained when a student has passed the examination in all modules, and a mini-dissertation and/or dissertation as prescribed for the curriculum in faculty rules as well as the assessment criteria for the programme concerned. (The degree is passed with distinction where an average final mark of at least 75% is achieved, calculated according to the ratio for examination papers and the research component for the specific programme.)
- c) The doctoral degree is attained when a student complies with all the requirements prescribed in faculty rules and the assessment criteria for the programme.

G.1.2.1.7 Publications (Dissertations/ mini-dissertations and theses)

- a) The University is the owner of all intellectual property that may be created in the course of the study, which includes, but is not limited to intellectual property referred to in the Intellectual Property Rights from Publicly Financed Research and Development Act, 51 of 2008 and the regulations promulgated there under.
- b) The University is entitled to physically or electronically multiply and distribute or make available any dissertation or mini-dissertation in the final form submitted by the candidate.

- c) Where the University publishes or causes a dissertation/ mini-dissertation or thesis to be published other than in its original form, the candidate is acknowledged as the first author, except where substantial processing of the text was undertaken with the candidate's permission in writing for the purpose of its publication; provided that, six months after acceptance of the dissertation or mini-dissertation, and the candidate, after notification, not having undertaken publication, such publication may be undertaken without the written permission, but with citation of the name, of the candidate.
- d) A candidate may not publish or otherwise distribute or have the dissertation/ mini-dissertation or thesis published or distributed otherwise without the previously obtained written permission of the vice-rector responsible for research concerned. Such permission, if granted, may be subject to such terms and conditions as the Vice-Rector may determine.
- e) At the publication of a dissertation/ mini-dissertation or thesis or a part or a summary or an adaptation thereof by the candidate, it must be mentioned that it is the result of a masters or doctoral degree study at the University and the name or names of the supervisor(s) or promoter(s) must be cited.

G.1.3 WARNING AGAINST PLAGIARISM

The Institutional Policy regarding the management of plagiarism and Turn-it-in apply as well as the Code of Conduct and Ethical code of the University. Appropriate disciplinary action will be taken against students who make themselves guilty of plagiarism.

For further details see:

http://www.nwu.ac.za/sites/www.nwu.ac.za/files/files/i-governance-management/policy/2P-2.4.3.2_plagiarism%20and%20dishonesty_e.pdf

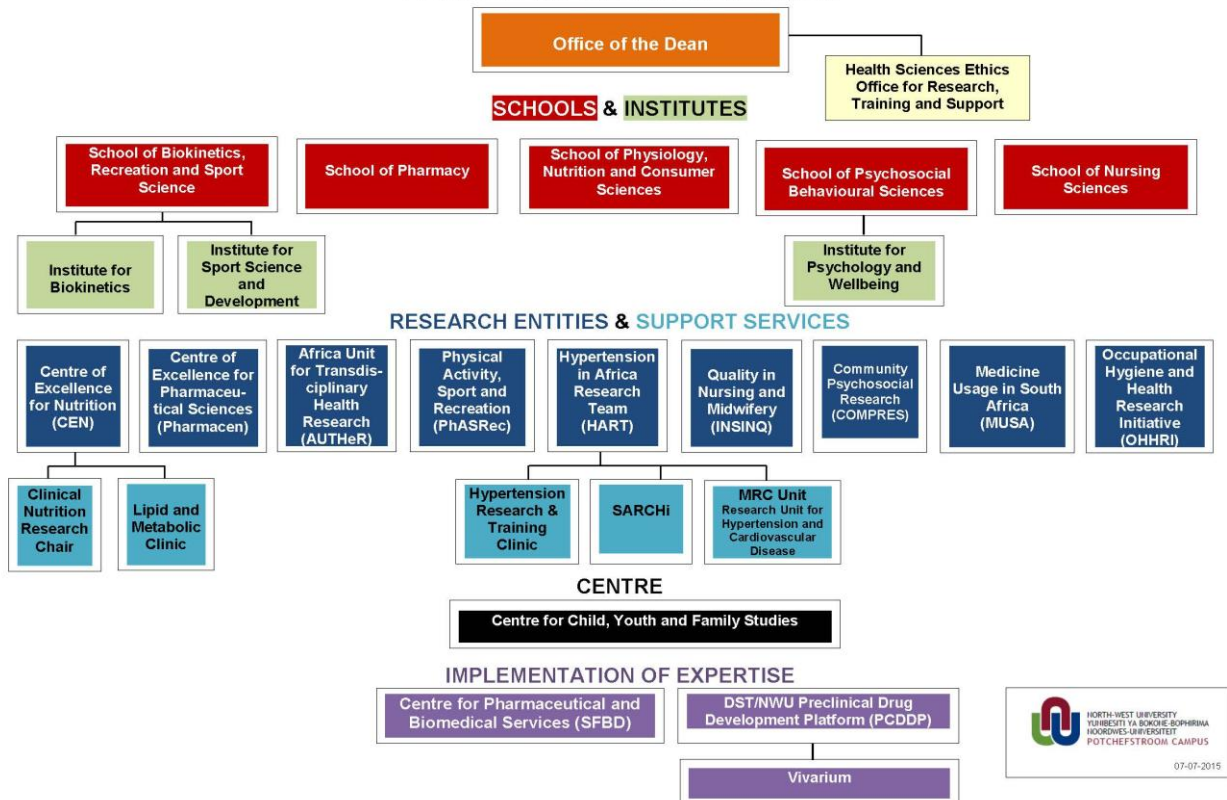
G.1.4 CAPACITY STIPULATION

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 STRUCTURES IN THE FACULTY

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

FACULTY OF HEALTH SCIENCES



G.1.6 QUALIFICATIONS, PROGRAMMES AND CURRICULUMS

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 yearbook.

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

Qualification	Programme and code	Curriculum and code	Mode of delivery	NQF-Level
Honours degrees:				
Bachelor of Arts Honours (Hons BA)	Biokinetics 102 165	Biokinetics G601P	Fulltime	8
Bachelor of Arts Honours (Hons BA)	Kinderkinetics 102 166	Kinderkinetics G602P	Fulltime	8
Bachelor of Arts Honours (Hons BA)	Sport Science 102 167	Sport Science G603P	Fulltime	8
Bachelor of Consumer Sciences Honours	Consumer Sciences 835 100	Consumer Sciences G630P	Fulltime / Part time	8
Bachelor of Health Sciences Honours in Physiology	Physiology 8EA L01	Physiology G601P	Fulltime / Part time	8
Bachelor of Health Sciences Honours in Psychology	Psychology 8DL L01	Psychology G601P	Fulltime	8
Bachelor of Health Sciences Honours in Recreation Science	Recreation Science 8DK L01	Recreation Science G601P	Fulltime	8
Bachelor of Science Honours (Hons BSc)	Biokinetics 202 150	Biokinetics G601P	Fulltime	8
Bachelor of Science Honours (Hons BSc)	Kinderkinetics 202 151	Kinderkinetics G602P	Fulltime	8
Bachelor of Science Honours (Hons BSc)	Sport Science 202 152	Sport Science G603P	Fulltime	8
Bachelor of Science Honours in Nutrition (Hons BSc)	Nutrition 8DN L01	Nutrition G601P	Fulltime / Part time	8
Programmes phasing out due to programme alignment:				

Qualification	Programme and code	Curriculum and code	Mode of delivery	NQF-Level
Bachelor of Arts Honours (Hons BA)	Recreational Science 102 161	Recreational Science G607P	Fulltime	8
Bachelor of Arts Honours (Hons BA)	Psychology 102 162	Psychology G639P	Fulltime	8
Bachelor of Science Honours (Hons BSc)	Psychology 202 133	Psychology G628P	Fulltime	8
Bachelor of Science Honours (Hons BSc)	Physiology 202 131	Physiology G624P	Fulltime/ Part time	8
Bachelor of Science Honours (Hons BSc)	Nutrition 202 132	Nutrition G626O	Fulltime/ Part time	8

Masters degrees:				
Qualification	Programme and code	Curriculum and code	Mode of delivery	NQF-Level
Master of Arts (MA)	Clinical Psychology 103183	Clinical Psychology G802P	Fulltime	9
Master of Arts (MA)	Counselling Psychology 103184	Counselling Psychology G802P	Fulltime	9
Master of Arts (MA)	Research Psychology 103185	Research Psychology G801P	Fulltime	9
Master of Arts (MA) in Positive Psychology SAQA 90848	Positive Psychology: 103195	Positive Psychology: G801P	Fulltime / Part time	9
Master of Consumer Sciences (MCons)	Consumer Sciences 8CM N01	Consumer Sciences G801P	Fulltime / Part time	9
Master of Health Sciences in Human Movement Sciences (MHSc)	Human Movement Sciences 8DH N01	Human Movement Sciences G801P	Fulltime / Part time	9
Master of Health Sciences in Recreation	Recreation Science	Recreation Sciences	Fulltime / Part time	9

Masters degrees:				
Qualification	Programme and code	Curriculum and code	Mode of delivery	NQF-Level
Science (MHSc)	8CN N01	G801P		
Master of Health Sciences in Gerontology (MHSc) SAQA 93997	Gerontology 862 101	Gerontology: G801P	Fulltime / Part time	9
Master of Health Sciences in Transdisciplinary Health Promotion (MHSc) SAQA 91930	Transdisciplinary Health Promotion 862100	Transdisciplinary Health Promotion: G801P	Fulltime / Part time	9
Master of Health Sciences in Cardiovascular Physiology (MHSc)	Cardiovascular Physiology 8DD N01	Cardiovascular Physiology: G801P	Fulltime	9
Master of Science (MSc)	Occupational Hygiene 203160	Occupational Hygiene G851P	Fulltime	9
Master of Science (MSc)	Clinical Psychology 203176	Clinical Psychology G802P	Fulltime	9
Master of Science (MSc)	Counselling Psychology 203177	Counselling Psychology G802P	Fulltime	9
Master of Science (MSc)	Research Psychology 203165	Research Psychology G801P	Fulltime	9
Master of Science in Pharmaceutical Chemistry (MSc)	Pharmaceutical Chemistry 8DE N01	Pharmaceutical Chemistry G801P	Fulltime	9
Master of Science in Pharmacology (MSc)	Pharmacology 8DF N01	Pharmacology G801P	Fulltime	9
Master of Science in Pharmaceutics (MSc)	Pharmaceutics 8DG N01	Pharmaceutics G801P	Fulltime	9
Master of Science in Pharmaceutical Sciences (MSc) SAQA 97390	Pharmaceutical Sciences 8BP N01	Pharmaceutical Sciences G801P	Fulltime / Part time	9
Master of Pharmacy (MPharm)	Pharmacy Practice 803104	Pharmacy Practice G802P	Fulltime / Part time	9

Masters degrees:				
Qualification	Programme and code	Curriculum and code	Mode of delivery	NQF-Level
Master of Pharmacy (MPharm) SAQA 90675	Advanced Clinical Pharmacy 803105	Advanced Clinical Pharmacy G801P	Fulltime / Part time	9
Master of Science in Dietetics	Dietetics 8DB P01	Dietetics (Structured) G801P	Fulltime / Part time	9
Master of Science in Nutrition (MSc)	Nutrition 8CW P01	Nutrition (Structured) G801P	Fulltime / Part time	9
Master of Science in Nutrition (MSc)	Nutrition 8DA N01	Nutrition (Research) G801P	Fulltime / Part time	9
Master of Social Work (MSW)	Social Work 8CS N01	Social Work: G801P	Fulltime / Part time	9
Master of Social Work (MSW)	Child Protection 113108	Child Protection G803P	Fulltime / Part time	9
Master of Social Work (MSW)	Forensic Practice 113109	Forensic Practice G801P	Fulltime / Part time	9
Master of Nursing Science	Nursing Science 8CJ N01	Nursing Science: G801P	Fulltime / Part time	9
Master of Nursing Science	Psychiatric Community Nursing 833100	Psychiatric Community Nursing G834P	Fulltime / Part time	9
Master of Nursing Science	Midwifery & Neonatal Nursing 833100	Midwifery & Neonatal Nursing G835P	Fulltime / Part time	9
Programmes phasing out due to programme alignment:				
Master of Arts (MA)	Recreational Science 103 182	Recreational Science G815P	Fulltime / Part time	9
Master of Arts (MA)	Biokinetics 103 191	Biokinetics G801P	Fulltime / Part time	9
Master of Arts (MA)	Kinderkinetics 103 192	Kinderkinetics G802P	Fulltime / Part time	9
Master of Arts (MA)	Sport Science	Sport Science	Fulltime /	9

Masters degrees:				
Qualification	Programme and code	Curriculum and code	Mode of delivery	NQF-Level
	103 193	G803P	Part time	
Master of Arts (MA)	Psychology 103 181	Psychology G801P	Fulltime	9
Master of Consumer Sciences (M Cons)	Consumer Sciences 836 100	Consumer Sciences G880P	Fulltime / Part time	9
Master of Science (MSc)	Dietetics 203 169	Dietetics G851P G875P	Fulltime / Part time	9
Master of Science (MSc)	Biokinetics 203 195	Biokinetics G801P	Fulltime / Part time	9
Master of Science (MSc)	Kinderkinetics 203 196	Kinderkinetics G802P	Fulltime / Part time	9
Master of Science (MSc)	Sport Science 203 197	Sport Science G803P	Fulltime / Part time	9
Master of Science (MSc)	Nutrition 203 166	Nutrition G871P G870P	Fulltime / Part time	9
Master of Science (MSc)	Pharmaceutical Chemistry 203 184	Pharmaceutical Chemistry G801P	Fulltime	9
Master of Science (MSc)	Pharmacology 203 185	Pharmacology G801P	Fulltime	9
Master of Science (MSc)	Pharmaceutics 203 186	Pharmaceutics G801P	Fulltime	9
Master of Science (MSc)	Physiology 203 171	Physiology G855P	Fulltime	9
Master of Social Work (MSW)	Social Work 113 104	Social Work G801P	Fulltime / Part time	9
Master of Social Work (MSW)	Play Therapy 113 110	Play Therapy G801P	Fulltime / Part time	9
Master of Nursing Science (MCur)	833100	Community Nursing Science: G830P	Fulltime / Part-time	9
Master of Nursing Science (MCur)	833100	Health Service Management:	Fulltime / Part-time	9

Masters degrees:				
Qualification	Programme and code	Curriculum and code	Mode of delivery	NQF-Level
		G831P		
Master of Nursing Science (MCur)	833100	Health Science Education: G832P	Fulltime / Part-time	9
Master of Nursing Science (MCur)	833100	Professional Nursing: G833P	Fulltime / Part-time	9
Master of Nursing Science (MCur)	833100	Psychiatric Nursing Science: G834P	Fulltime / Part-time	9
Master of Nursing Science (MCur)	833100	Midwifery and Neonatal Nursing Science: G835P	Fulltime / Part-time	9
Master of Nursing Science (MCur)	833100	Nursing Science: G836P	Fulltime / Part-time	9

Qualification	Programme and code	Curriculum and code	Mode of delivery	NQF-Level
Doctorates:				
Doctor of Philosophy in Consumer Sciences (PhD)	Consumer Sciences 8CA R01	Consumer Sciences G901P	Fulltime / Part time	10
Doctor of Philosophy in Health Sciences (PhD)	Human Movement Sciences 8CB R05	Human Movement Sciences G901P	Fulltime / Part time	10
Doctor of Philosophy in Health Sciences (PhD)	Nursing Science: 8CB R07	Nursing Science: G901P	Fulltime / Part time	10
Doctor of Philosophy in Health Sciences (PhD)	Occupational Hygiene 8CB R08	Occupational Hygiene G901P	Fulltime / part time	10
Doctor of Philosophy in Health Sciences (PhD)	Psychology 8CB R10	Psychology G901P	Fulltime / Part time	10
Doctor of Philosophy in Health Sciences (PhD)	Recreation Science 8CB R11	Recreation Science G901P	Fulltime / Part time	10
Doctor of Philosophy in Pharmacy (PhD)	Pharmaceutical Chemistry 8CC R01	Pharmaceutical Chemistry G901P	Fulltime	10

Qualification	Programme and code	Curriculum and code	Mode of delivery	NQF-Level
Doctorates:				
Doctor of Philosophy in Pharmacy (PhD)	Pharmaceutics 8CC R02	Pharmaceutics G901P	Fulltime	10
Doctor of Philosophy in Pharmacy (PhD)	Pharmacology 8CC R03	Pharmacology G901P	Fulltime	10
Doctor of Philosophy in Pharmacy (PhD)	Pharmacy Practice 8CC R04	Pharmacy Practice G901P	Fulltime / Part time	10
Doctor of Philosophy in Science (PhD)	Dietetics 8CD R01	Dietetics G901P	Fulltime / Part time	10
Doctor of Philosophy in Science (PhD)	Nutrition 8CD R02	Nutrition G901P	Fulltime / Part time	10
Doctor of Philosophy in Science (PhD)	Physiology 8CD R03	Physiology G901P	Fulltime / Part time	10
Doctor of Philosophy in Social Work (PhD)	Social Work 8CE R01	Social Work G901P	Fulltime / Part time	10
Programmes phasing out due to programme alignment:				
Doctor of Philosophy (PhD)	Human Movement Sciences: 805109	Human Movement Sciences: G925P	Fulltime / Part-time	10
Doctor of Philosophy (PhD)	Recreation Science: 805111	Recreation Science: G935P	Fulltime / Part-time	10
Doctor of Philosophy (PhD)	Pharmaceutical Chemistry: 805116	Pharmaceutical Chemistry: G910P	Fulltime	10
Doctor of Philosophy (PhD)	Pharmaceutics: 805117	Pharmaceutics: G911P	Fulltime	10
Doctor of Philosophy (PhD)	Pharmacology: 805118	Pharmacology: G912P	Fulltime	10
Doctor of Philosophy (PhD)	Pharmacy Practice: 805119	Pharmacy Practice: G913P	Fulltime / Part-time	10
Doctor of Philosophy (PhD)	Occupational Hygiene: 805104	Occupational Hygiene: G901P	Fulltime / part-time	10
Doctor of Philosophy (PhD)	Dietetics: 805105	Dietetics: G905P	Fulltime / Part-time	10
Doctor of Philosophy (PhD)	Physiology: 805107	Physiology: G915P	Fulltime / Part-time	10
Doctor of Philosophy (PhD)	Consumer Sciences: 805112	Consumer Sciences: G940P	Fulltime / Part-time	10
Doctor of Philosophy	Nutrition:	Nutrition:	Fulltime /	10

Qualification	Programme and code	Curriculum and code	Mode of delivery	NQF-Level
Doctorates:				
(PhD)	805114	G960P	Part-time	
Doctor of Philosophy (PhD)	Social Work: 805108	Social Work: G921P	Fulltime / Part-time	10
Doctor of Philosophy (PhD)	Psychology: 805110	Psychology: G931P	Fulltime / Part-time	10
Doctor of Philosophy (PhD)	Nursing Science: 805113	Community Nursing Science: G950P	Fulltime / Part-time	10
Doctor of Philosophy (PhD)	Nursing Science: 805113	Health Service Management: G951P	Fulltime / Part-time	10
Doctor of Philosophy (PhD)	Nursing Science: 805113	Health Science Education: G952P	Fulltime / Part-time	10
Doctor of Philosophy (PhD)	Nursing Science: 805113	Professional Nursing Science: G953P	Fulltime / Part-time	10
Doctor of Philosophy (PhD)	Nursing Science: 805113	Psychiatric Nursing Science: G954P	Fulltime / Part-time	10
Doctor of Philosophy (PhD)	Nursing Science: 805113	Midwifery and neonatal Nursing Science: G955P	Fulltime / Part-time	10
Doctor of Philosophy (PhD)	Nursing Science: 805113	Nursing Science: G956P	Fulltime / Part-time	10

POSTGRADUATE DIPLOMAS				
Qualification	Programme and code	Curriculum and code	Mode of delivery	NQF-Level
Postgraduate Diploma in Midwifery & Neonatal Nursing Science	Midwifery & Neonatal Nursing Science 8DP D01	Midwifery & Neonatal Nursing Science G501P	Part time	8
Postgraduate Diploma in Pharmacological Principles of Drug Therapy SAQA 88902	Pharmacological Principles of Drug Therapy: 8EC D01	Pharmacological Principles of Drug Therapy G501P	Distance learning	8
Postgraduate Diploma in Cosmetic Product Formulation SAQA 99283	Cosmetic Product Formulation 8DQ D01	Cosmetic Product Formulation G501P	Fulltime / Part time	8
Advanced University Diploma in Health Science	Community Nursing 837100	Community Nursing (one year) G511T	Distance learning	7
Advanced University Diploma in Health Science	Health Science Education 837101	Health Science Education (One year) G512T	Distance learning	7
Advanced University Diploma in Health Science	Health Service Management 837102	Health Services Management (One Year) G513T	Distance learning	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) G515T	Distance learning	7

G.1.7 RULES FOR THE DEGREE BACHELOR OF ARTS HONOURS

G.1.7.1 Duration (minimum and maximum)

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

G.1.7.2 Admission requirements of the qualification

The honours degree follows a three- or four year qualification or after the status of a Bachelor's degree is acquired.

Faculty specific admission requirements with regard to the different programmes presented in this faculty are outlined in the programme information in this yearbook.

G.1.7.3 Programme: Biokinetics

Qualification code: 102 165

The curriculum 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 and prepare the student for further postgraduate study in Human Movement Sciences.

The programme is presented on a fulltime basis and the closing date for applications is 31 July.

G.1.7.3.1 Faculty specific rules and requirements of the programme

- a) General admission requirements of the University hold.
- b) Prospective students must complete a selection application at the school, which will be evaluated by a selection panel.
- c) Initial academic selection takes place in which the marks for the HMS-modules in each year of study up to and including that of the 1st semester in the 3rd year must be above 65%.
- d) Proof of at least 20 hours practical exposure in a registered Biokinetics practice will be required.
- e) Selection takes place during August /September each year.
- f) Final selection is subject to approval by the school director.

G.1.7.3.2 Curriculum G601P: Biokinetics

G.1.7.3.3 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.1.7.3.3.1 Compilation of curriculum: Biokinetics

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

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
Total credits for the curriculum		160

G.1.7.4 Programme: Kinderkinetics

Qualification code: 102 166

The curriculum 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 and prepare the student for further postgraduate study in Human Movement Sciences.

The programme is presented on a fulltime basis and the closing date for applications is 31 July.

G.1.7.4.1 Faculty specific rules and requirements of the programme

- General admission requirements of the University hold.
- Prospective students must complete a selection application at the school, which will be evaluated by a selection panel.
- Initial academic selection takes place in which the marks for the HMS-modules in each year of study up to and including that of the 1st semester in the 3rd year must be above 60%.
- Proof of at least 20 hours practical exposure in a registered Kinderkinetics practice/proof of working with children by using movement programs will be required.
- Candidates must further submit proof of certification in swimming and gymnastics coaching course.
- Selection takes place during August /September each year.
- Final selection is subject to approval by the school director.

G.1.7.4.2 Curriculum G602P: Kinderkinetics

G.1.7.4.2.1 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.1.7.4.2.2 Compilation of curriculum: Kinderkinetics**Qualification and programme code:** 102 166; **Curriculum code:** G602P

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
Total credits for the curriculum		144

G.1.7.5 Programme: Sport Science**Qualification code:** 102 167

The curriculum 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 and prepare the student for further postgraduate study in Human Movement Sciences.

The programme is presented on a fulltime basis and the closing date for applications is 31 July.

G.1.7.5.1 Faculty specific rules and requirements of the programme

- General admission requirements of the University hold.
- Prospective students must complete a selection application at the school, which will be evaluated by a selection panel.
- Initial academic selection takes place in which the marks for the HMS-modules in each year of study up to and including that of the 1st semester in the 3rd year must be above 60%.
- Proof of practical exposure/ involvement with a recognized Sport Scientist will be required.
- Student must further submit proof of coaching certification in at least 2 sports of which one should be a team sport and one an individual sport.
- Selection and takes place during August /September each year.
- Final selection is subject to approval by the school director.

G.1.7.5.2 Curriculum G603P: Sport Science**G.1.7.5.2.1 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.1.7.5.2.2 Compilation of the curriculum: Sport Science

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

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
Total credits for the curriculum		144

G.1.7.6 Programmes phasing out due to programme alignment:

G.1.7.6.1 Recreational Science: 102 161 - G607P

No new students admitted to this programme in 2017.

New students register for the Bachelor of Health Sciences Honours in Recreation Sciences (8DK L01 – G601P).

G.1.7.6.2 Psychology: 102 162 - G639P

No new students admitted to this programme in 2017.

New students register for the Bachelor of Health Sciences Honours in Psychology (8DL L01 – G601P).

G.1.8 RULES FOR THE DEGREE BACHELOR OF CONSUMER SCIENCES HONOURS

Qualification code: 835 100

The study may be completed fulltime or part time. The part time option will only be offered in special circumstances.

The closing date for applications is 30 August.

G.1.8.1 Duration (minimum and maximum)

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

G.1.8.2 Admission requirements of the qualification

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

G.1.8.3 Programme: Consumer Sciences

Qualification and programme code: 835 100

The purpose is to provide students who have already obtained a first degree in Consumer Sciences with specialised vocationally directed training that will enable them to fulfil 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 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.1.8.3.1 Faculty specific rules and requirements of the programme

- a) General Admission requirements of the qualification hold.
- b) Admission to this degree is done in consultation with the school director or delegated person and is subject to available capacity in the subject group.
- c) Selection starts on the 1st of September. Students are required to submit a portfolio and complete a skills test, after which a preferential list is compiled.
- d) An average academic performance of 60% is required during undergraduate studies.
- e) Prerequisites as indicated against each module specified in the curriculum requirements holds.
- f) Students that complied with the minimum requirements of the degree will also have to complete a written assignment on a given topic and take part in a personal interview with a selection panel consisting of personnel of Consumer Sciences.
- g) STTN111 or equivalent module (optional);
- h) 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 as prerequisite honours module.

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

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

G.1.8.3.2 Curriculum G630P: Consumer Sciences**G.1.8.3.2.1 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.1.8.3.2.2 Compilation of curriculum: Consumer Sciences

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

a) Compulsory modules

Module code	Descriptive name	Credits	Prerequisite Module
VNAM671	Research Methods and Scientific Writing Skills	24	
VNAV671	Research Project: Project Report Submission	32	VNAM671 VVBG671
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
Total credits for the curriculum		136

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
Total credits for the curriculum		136

GROUP C

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

G.1.9 RULES FOR THE DEGREE BACHELOR OF HEALTH SCIENCES HONOURS IN PHYSIOLOGY

G.1.9.1 Duration (minimum and maximum)

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

G.1.9.2 Admission requirements of the qualification

The honours degree follows a three- or four year qualification or after the status of a Bachelor's degree is acquired.

Faculty specific admission requirements with regard to the different programmes presented in this faculty are outlined in the programme information in this yearbook

G.1.9.3 Outcomes of the qualification

After completing the qualification, students should demonstrate the following:

- a) knowledge of the field of Physiology and the ability to understand research theories, methodologies, and techniques or practice applied to Physiological processes;
- b) critical review of information gathering, evaluation and management processes in the Physiological context in order to develop creative responses to health problems and issues;
- c) an understanding of the complexities and uncertainties of selecting, applying or transferring appropriate standard procedures, processes or techniques to identify Physiological problems in the human;
- d) ability to identify and address, on individual as well as group level, ethical issues based on critical reflection on the suitability of different ethical value systems or treatment methods within the field of Physiology;
- e) the attitudes necessary for the achievement of high standards of ethical behaviour, both in relation to conduct and commitment in the workplace and in own personal development;
- f) rigorous interpretations and creative insights through effective communication to lay as well as scholarly audiences by means of academic, professional and occupational ideas and solutions for Physiological problems;
- g) application of learning strategies in a self-critical manner to effectively assess his or her and others, ongoing professional and learning needs.

G.1.9.4 Programme: Physiology

Qualification code: 8EA L01

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

The program is presented fulltime and part time and the closing date for applications is 31 August.

G.1.9.4.1 Faculty specific rules and requirements of the programme

- a) A BSc degree with Physiology as a major subject or an equivalent qualification with in-depth knowledge of Physiology;
- b) Selection takes place during September to October and is subject to available capacity and approval by the school director.
- c) At least 65% average in Physiology on third-year level is required.
- d) STTN111 or a comparable statistics module must have been passed before or must be passed during the honours year.
- e) It is strongly recommended that the student should provide proof of immunisation against Hepatitis A+B.

G.1.9.4.2 Curriculum G601P: Physiology

G.1.9.4.2.1 Compilation of the curriculum: Physiology

Qualification and programme code: 8EA L01; Curriculum code: G601P

Module code	Descriptive name	Credits
Compulsory modules		
FLGX613	Neurophysiology	16
FLGX615	Research methodology	8
FLGX617	Cellular Physiology	8
FLGX625	Endocrinology	16
FLGX671	Practical Project	32
Choice modules - three out of six must be chosen		
FLGX612	Cardiovascular Physiology A	16
FLGX618	Occupational Hygiene Monitoring A	16
FLGX621	Cardiovascular Physiology C	16
FLGX622	Toxicology A	16
FLGX624	Toxicology B	16
FLGX627	Cardiovascular Physiology B	16
Total credits for the curriculum		128

G.1.10 RULES FOR THE DEGREE BACHELOR OF HEALTH SCIENCES HONOURS IN PSYCHOLOGY

G.1.10.1 Duration (minimum and maximum)

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

G.1.10.2 Admission requirements of the qualification

The honours degree follows a three- or four year qualification or after the status of a Bachelor's degree is acquired.

Faculty specific admission requirements with regard to the different programmes presented in this faculty are outlined in the programme information in this yearbook

G.1.10.3 Outcomes of the qualification

After completing this qualification, the student should demonstrate:

- a) a comprehensive and systematic knowledge of psychometrics, psychological evaluation, psychopathology, basic intervention and counselling techniques, including programme development and programme presentation;
- b) critical evaluation of existing knowledge concerning theories, research methods, techniques and technology in psychology, and apply that knowledge to various contexts;
- c) diagnosis of 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) reflection on the impact of the study material on the self as a person and as a future care giver;
- f) observation and application of an ethical, professional and value-based code of conduct in all modes of communication and association with individuals and groups;
- g) utilization of appropriate technology (computer, e-mail, fax, psychometric tests) effectively in the Psychology environment (technological and environmental literacy);
- h) exploration of different effective learning strategies to acquire the different capabilities of a practitioner in the field of Psychology; and
- i) promotion of responsible citizenship through their approach towards the holistic application of Psychology related skills.

G.1.10.4 Programme: Psychology

Qualification code: 8DL L01

The curriculum composed for this programme are of an academic nature. In composing it, consideration was given to career possibilities and the manpower needs of the country and prepare the student for further postgraduate study in Psychology.

The programme is presented on a fulltime basis and the closing date for applications is 16 September.

G.1.10.4.1 Faculty specific rules and requirements of the programme

- a) Candidates should be in possession of an applicable Bachelor's degree with third year Psychology or should have passed third year level with

Development Psychology and Psychopathology (undergraduate) as part of a curriculum, as well as an average of 65% in all Psychology modules.

- b) An academic selection takes place according to the criteria as determined by the school, where an average of 65% in Psychology is set as minimum criteria during the first B-degree. The complete academic record is however taken into consideration but the department holds the decision to change the minimum criteria depending on the number of applications;
- c) If a candidate is enrolled for another qualification at the time of selection, selection will only be provisional and may be cancelled by the department if the aforementioned qualification is not completed at the end of the academic year;
- d) An examination sub-minimum of 50% is required for all Psychology modules in the honours programme.

G.1.10.4.2 Curriculum G601P: Psychology

G.1.10.4.2.1 Compilation of the curriculum: Psychology

Qualification and programme code: 8DL L01: Curriculum code: G601P

Module code	Descriptive name	Credits
PSYH611	Psychological evaluation.	16
PSYH612	Community psychology: Theory	8
PSYH613	Applied positive psychology	16
PSYH621	Intervention techniques	16
PSYH622	Theoretical perspectives on rendering help	16
PSYH623	Child and adolescent psychology	16
PSYH671*	Research and ethics: Theory and practice	40
PSYH672*	Psychopathology	16
STTN111	Descriptive statistics	12
STTN124	Practical statistics	12
Total credits for curriculum		168

* Year modules

G.1.11 RULES FOR THE DEGREE BACHELOR OF HEALTH SCIENCES HONOURS IN RECREATION SCIENCE

G.1.11.1 Duration (minimum and maximum)

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

G.1.11.2 Admission requirements of the qualification

The honours degree follows a three- or four year qualification or after the status of a Bachelor's degree is acquired.

Faculty specific admission requirements with regard to the different programmes presented in this faculty are outlined in the programme information in this yearbook.

G.1.11.3 Outcomes of the qualification

After completing this qualification, the student should demonstrate:

- a) comprehensive and systematic knowledge of the field of Recreation Science, with reference to recreation practice management, health promotion, child welfare, therapeutic recreation and leisure programming;
- b) critical evaluation of existing knowledge concerning theories, research methods, techniques and technology in the recreation sciences, and apply that knowledge to various contexts;
- c) diagnose the recreation needs of 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; – observation and application of an ethical, professional and value-based code of conduct in all modes of communication and association with individuals and groups;
- e) utilization of appropriate technology (computer, e-mail, fax, psychometric tests) effectively in the Recreation Science environment (technological and environmental literacy);
- f) exploration of different effective learning strategies to acquire the different capabilities of a practitioner in the field of Recreation Science;
- g) promotion of responsible citizenship through their approach towards the holistic application of Recreation Science related skills;
- h) combining of critical and creative thinking in the use of science, research and technology with sound and systematic theoretical expertise; and
- i) skills and values as entrepreneurs or employees in the field of recreation provision or adventure therapy through integrated projects in order to identify and solve known and unknown problems and demonstrate mastered competencies in community involvement.

G.1.11.4

Programme: Recreation Science

Qualification code: 8DK L01

The primary purpose of this qualification is to provide qualifying students with a broad, integrated knowledge foundation of the field of Recreation Science, and critical skills to apply Recreation practice management, Therapeutic recreation and leisure programming appropriately and effectively. The qualification also provides a strong foundation for fundamental and applied research methods with a view to further studies in Recreation Science at HEQF level 9.

The programme is presented on a fulltime basis and the closing date for applications is 31 July.

G.1.11.4.1

Faculty specific rules and requirements of the programme

- a) Admission to the Honours programme is open to students who have been awarded a Bachelor's degree with Recreation Science as focus, or a qualification designated by the Senate as equivalent;
- b) In addition applicants must also undergo a selection process focused on psychometric, personal and skills development as applicable to this qualification;

- c) Alternatively, Senate may require any candidate, before being admitted to the Honours programme, to attend and complete, as may be determined by Senate, such undergraduate courses or portion of courses of a Bachelor's curriculum as the senate may prescribe;
- d) With the permission of the Senate, candidates not in possession of the qualifying courses may be considered, provided they undertake to complete prescribe introductory courses and a reading programme;
- e) Prospective students must complete a formal selection application form at the school, which will be evaluated by a selection panel;
- f) Initial academic selection takes place in which the marks for the RKKX-modules in each year of study up to and including that of the 1st semester in the 3rd year must be above 60%;
- g) Selection takes place during August /September each year;
- h) Final selection is subject to approval by the school director;
- i) Practical work as stipulated by the program leader and school director will be required from the student.

G.1.11.4.2 Curriculum G601P: Recreation Science

G.1.11.4.2.1 Compilation of curriculum: Recreation Science

Qualification- and programme code: 8DK L01 Curriculum code: G601P

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
Total credits for the curriculum		144

G.1.12 RULES FOR THE DEGREE BACHELOR OF SCIENCE HONOURS

G.1.12.1 Duration (minimum and maximum)

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

G.1.12.2 Admission requirements of the qualification

The Honours degree follows a three- or four year qualification or after the status of Bachelor's degree is acquired

Faculty specific admission requirements with regard to the different programmes presented in this faculty are outlined in the programme information in this yearbook.

G.1.12.3 Programme: Biokinetics

Qualification code: 202 150

The curriculum 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 and prepare the student for further postgraduate study in Human Movement Sciences.

The programme is presented on a fulltime basis and the closing date for applications is 31 July.

G.1.12.3.1 Faculty specific rules and requirements of the programme

- a) General admission requirements of the University hold.
- b) Prospective students must complete a selection application at the school, which will be evaluated by a selection panel.
- c) Initial academic selection takes place in which the marks for the HMS-modules in each year of study up to and including that of the 1st semester in the 3rd year must be above 65%.
- d) Proof of at least 20 hours practical exposure in a registered Biokinetics practice will be required.
- e) Selection takes place during August /September each year.
- f) Final selection is subject to approval by the school director.

G.1.12.3.2 Curriculum G601P: Biokinetics

G.1.12.3.2.1 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.1.12.3.2.2 Compilation of curriculum: Biokinetics

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

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
Total credits for the curriculum		160

G.1.12.4 Programme: Kinderkinetics

Qualification code: 202 151

The curriculum 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 and prepare the student for further postgraduate study in Human Movement Sciences.

The programme is presented on a fulltime basis and the closing date for applications is 31 July.

G.1.12.4.1 Faculty specific rules and requirements of the programme

- a) General admission requirements of the University hold.
- b) Prospective students must complete a selection application at the school, which will be evaluated by a selection panel.
- c) Initial academic selection takes place in which the marks for the HMS-modules in each year of study up to and including that of the 1st semester in the 3rd year must be above 60%.
- d) Proof of at least 20 hours practical exposure in a registered Kinderkinetics practice/proof of working with children by using movement programs will be required.
- e) Candidates must further submit proof of certification in swimming and gymnastics coaching courses.
- f) Selection takes place during August /September each year.
- g) Final selection is subject to approval by the school director.

G.1.12.4.2 Curriculum G602P: Kinderkinetics

G.1.12.4.2.1 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.1.12.4.2.2 Compilation of curriculum: Kinderkinetics

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

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
Total credits for the curriculum		144

G.1.12.5 Programme: Sport Science

Qualification code: 202 152

The curriculum 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 and prepare the student for further postgraduate study in Human Movement Sciences.

The programme is presented on a fulltime basis and the closing date for applications is 31 July.

G.1.12.5.1 Faculty specific rules and requirements of the programme

- a) General admission requirements of the University hold.
- b) Prospective students must complete a selection application at the school, which will be evaluated by a selection panel.
- c) Initial academic selection takes place in which the marks for the HMS-modules in each year of study up to and including that of the 1st semester in the 3rd year must be above 60%.
- d) Proof of practical exposure/ involvement with a recognized Sport Scientist will be required.
- e) Students must further submit proof of coaching certification in at least 2 sports of which one should be a team sport and one an individual sport.
- f) Selection and takes place during August /September each year.
- g) Final selection is subject to approval by the school director.

G.1.12.5.2 Curriculum G603P: Sport Science

G.1.12.5.2.1 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.1.12.5.2.2 Compilation of the curriculum: Sport Science

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

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
Total credits for the curriculum		144

G.1.12.6 Programmes phasing out due to programme alignment:

G.1.12.6.1 Programme: Psychology: 202 133 - G628P

No new students admitted to this programme in 2017.

New students register for the Bachelor of Health Sciences Honours in Psychology (8DL L01 – G601P).

G.1.12.6.2 Programme: Physiology: 202 131 - G624P

No new students admitted to this programme in 2017.

New students register for the Bachelor of Health Sciences Honours in Physiology (8EA L01 – G601P).

G.1.12.6.3 Programme: Nutrition: 202 132 – G626P

No new students admitted to this programme in 2017.

New students register for the Bachelor of Health Sciences Honours in Nutrition (8DN L01 – G601P).

G.1.13 RULES FOR THE DEGREE BACHELOR OF SCIENCE HONOURS IN NUTRITION

G.1.13.1 Duration (minimum and maximum)

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

G.1.13.2 Admission requirements of the qualification

The Honours degree follows a three- or four year qualification or after the status of Bachelor's degree is acquired

Faculty specific admission requirements with regard to the different programmes presented in this faculty are outlined in the programme information in this yearbook.

G.1.13.3 Outcomes of the qualification

After completion of the Honours Degree in Nutrition, students should demonstrate the following:

- a) extensive and systematic knowledge 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) 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 gathered, analysed 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) 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 Information Technology as means of communication.

G.1.13.4 Programme: Nutrition

Qualification code: 8DN L01

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 postgraduate study. The focus in the modules falls on the most recent research findings on highly relevant problems.

The program is presented on a fulltime basis and the closing date for applications is 30 September.

G.1.13.4.1 Faculty specific rules and requirements of the programme

- a) A BSc degree with Nutrition as major subject or an equivalent qualification is required.
- b) Selection starts on the 1st of October and is subject to the students' academic performance and available capacity in the subject group.
- c) Final selection is subject to the approval of the school director.
- d) At least 60% in Nutrition at undergraduate level in each of the third year Nutrition modules and the research module will be required.
- e) STTN111 or a comparable statistics module must have been passed before or must be passed during the honours year.
- f) Students who wish to register for this degree must submit proof of immunisation against hepatitis A and B in the previous five year.
- g) A participation mark of 40% should be obtained in order to be admitted for examination.
- h) A pass mark of 50% is required for all modules.

G.1.13.4.2 Curriculum G601P: Nutrition

G.1.13.4.2.1 Compilation of curriculum: Nutrition

Qualification and programme code: 8DN L01; Curriculum code: G601P

a) Compulsory Modules:

The compulsory modules contribute 50% (64 credits) to the total credit load of the curriculum:

Module code	Descriptive name	Credits
*NUTR671	Research report	32
*NUTA671	Advanced Nutrition	32

b) Students may choose two modules out of the following four modules:

The choice modules contribute 50% (64 credits) to the total credit load of the curriculum:

Module code	Descriptive name	Credits
**NUTG671	Nutrigenetics	32
**NUTE671	Nutrition Epidemiology	32
**NUTP671	Public Health Nutrition	32
**NUTS671	Sport Nutrition	32
Total credits for the curriculum		128

G.1.14 RULES FOR THE DEGREE MASTER OF ARTS

The curricula for a specific master's degree or the framework within which such curriculum may be compiled, is determined by the relevant school and/or research entity.

Studies towards a master's degree can be done fulltime or part time (as indicated in this yearbook).

G.1.14.1 Duration (Minimum and maximum)

The minimum duration for the study is one year and the maximum duration two years, calculated from the date of first registration for the particular programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Although a maximum study period of two years is granted by the faculty, students who apply for an additional third study year according to the Academic rules of the University, must note that it will have financial implications for them.

G.1.14.2 Admission requirements of the qualification

A student who wishes to register for a master's degree must have acquired an honours degree or equivalent qualification in the applicable field as approved by the Senate.

G.1.14.3 Programme: Clinical Psychology

Qualification code: 103 183

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 COMPRES. In composing the curriculum, consideration was given to career possibilities and manpower needs of our country. This curriculum also prepares the student for further postgraduate studies in Psychology.

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).

The programme is presented on a fulltime basis and the closing date for applications is 4 July where after a selection process will follow.

G.1.14.3.1 Faculty specific rules and requirements of the programme

- a) An honours degree in Psychology or an applicable equivalent qualification is required;
- b) An average of 65% in the honours degree is required;
- c) A paper selection based on academic performance, relevant skills and quality of reference reports will be conducted;
- d) A formal selection process based on an individual in-depth interview by a panel of psychologists, a research assignment, evaluation of traits, skills and potential by means of case studies and group work will be conducted;
- e) A final in-depth interview by a selection panel of internal and external psychologists (departmental and internship representatives) will be conducted;
- f) Final approval is subject to a specific research concept within the focus of the subject group;
- g) 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 study if the academic, behavioural and/or functioning record is unsatisfactory and/or poses a threat to their own health or that of society.
- h) Academic excellence is at all times a priority:
 - A participation mark will be defined and determined for each module. A subminimum of 50% participation mark is required to be able to write examination.
 - A pass mark of 55% per module and an examination sub-minimum of 50% per module are required. The weights for determining the final module mark will be 50% participation mark and 50% examination mark.
 - Candidates will receive a second examination opportunity in a module, only if a paper has been failed, and a maximum mark of 50% will be allocated for such examination opportunity. If the 2nd opportunity is failed the entire year must be repeated. If more than one module is failed the student fails the course.
 - If the experiential progress is not as desired, the internship may be extended.

G.1.14.3.2 Curriculum G802P: Clinical Psychology

G.1.14.3.2.1 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.1.14.3.2.2 Compilation of the curriculum: Clinical Psychology

Qualification-and programme code: 103 183; **Curriculum code:** G802P

Module code	Descriptive name	Credits
PSYK872	Research Theory and Dissertation in Clinical Psychology	100
PSYC879	Child and Adolescent Pathology and Therapy	20
PSYC880	Theory of Psychological Interventions	20
PSYC884	Applied Psychology and Community Interventions	20
PSYC883	Ethics, Psychodiagnostics and Practical work	20
PSYC885	Psychopharmacology, Neuropsychology and advanced Psychopathology	20
Total credits for the curriculum		200

G.1.14.4 Programme: Counselling Psychology

Qualification code: 103 184

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 COMPRES. In composing the curriculum, consideration was given to career possibilities and manpower needs of our country. This curriculum also prepares the student for further postgraduate studies in Psychology.

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).

The programme is presented on a fulltime basis and the closing date for applications is 4 July where after a selection process will follow.

G.1.14.4.1 Faculty specific rules and requirements of the programme

- An honours degree in Psychology or an applicable equivalent qualification is required;
- An average of 65% in the honours degree is required;
- A paper selection based on academic performance, relevant skills and quality of reference reports will be conducted;
- A formal selection process based on an individual in-depth interview by a panel of psychologists, a research assignment, evaluation of traits, skills and potential by means of case studies and group work will be conducted;
- A final in-depth interview by a selection panel of internal and external psychologists (departmental and internship representatives) will be conducted.
- Final approval is subject to a specific research concept within the focus of the subject group.

- g) 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 study if the academic, behavioural and/or functioning record is unsatisfactory and/or poses a threat to their own health or that of society.
- h) Academic excellence is at all times a priority:
- A participation mark will be defined and determined for each module. A subminimum of 50% participation mark is required to be able to write examination.
 - A pass mark of 55% per module and an examination sub-minimum of 50% per module are required. The weights for determining the final module mark will be 50% participation mark and 50% examination mark.
 - Candidates will receive a second examination opportunity in a module, only if a paper has been failed, and a maximum mark of 50% will be allocated for such examination opportunity. If the 2nd opportunity is failed the entire year must be repeated. If more than one module is failed the student fails the course.
 - If the experiential progress is not as desired, the internship may be extended.

G.1.14.4.2 Curriculum G802P: Counselling Psychology

G.1.14.4.2.1 Curriculum outcomes

The student will comply with the requirements of the Health Professions Council of South Africa (HPCSA) to register for an internship in Counselling 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.1.14.4.2.2 Compilation of the curriculum: Counselling Psychology

Qualification-and programme code: 103 184; **Curriculum code:** G802P

Module code	Descriptive name	Credits
PSYV872	Research Theory and Dissertation in Counselling Psychology	100
PSYV879	Child and Adolescent Development, Pathology and Therapy	20
PSYV880	Theory of Psychological Interventions in Counselling Psychology	20
PSYV885	Psychopharmacology, Neuropsychology and advanced Psychopathology in Counselling Psychology	20
PSYC884	Applied Psychology and Community Interventions	20
PSYC883	Ethics, Psychodiagnostics and Practical work	20
Total credits for the curriculum		200

G.1.14.5 Programme: Research Psychology

Qualification code: 103 185

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 COMPRES. In composing the curriculum, consideration was given to career possibilities and manpower needs of our country. This curriculum prepares the student for further postgraduate studies in Psychology.

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

The programme is presented on a fulltime basis and the closing date for applications is 30 September where after a selection process will follow during October.

G.1.14.5.1 Faculty specific rules and requirements of the programme

- a) An Honours degree in Psychology is required (with at least 65 %);
- b) Passing of an paper-, academic- and personality screening at the completion of the honours degree for admission to the professional programme in Research Psychology;
- c) Students must submit a selection application by 30 September. The application should consist of the following: (a) a letter of motivation, (b) complete CV, (c) complete academic record, (d) a two page proposal with possible research topics.
- d) Students who comply with all the requirements will be invited for a selection interview to determine their potential to benefit from the research programme and will be requested to complete a research assignment.
- e) 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 the studies if a student's academic, behavioural, and/or function record is unsatisfactory and hold a danger to him/her or the public.
- f) Academic excellence is always a prerequisite. A participation mark will be defined and determined for each module. A pass mark of 55 % per module and an examination sub-minimum of 50 % per module are required. Candidates are only allowed a 2nd opportunity in one paper. If the 2nd opportunity is failed the year must be repeated. Should more papers be failed, the candidate fails the course.
- g) If the experiential progress is not as desired, the internship may be extended.

G.1.14.5.2 Curriculum G801P: Research Psychology

G.1.14.5.2.1 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.
- h) 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.1.14.5.2.2 Compilation of the curriculum: Research Psychology

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

Module code	Descriptive name	Credits
PSYC872	Dissertation: Research Psychology	116
PSYC874	Critical Research Skills	16
PSYC875	Quantitative Research Methods	16
PSYC876	Qualitative Research Methods	16
PSYC877	Project management	16
Total credits for the curriculum		180

G.1.14.6 Programme: Positive Psychology

Qualification code: 103 195

This programme consists of tuition and research and will be presented in several one week sessions per year on campus. The aim is to equip participants to apply knowledge from positive psychology in various contexts to enhance the well-being and quality of life for people. It is a specialized degree in positive psychology and not a clinical qualification, and does not provide registration at the HPCSA.

The program is presented on a fulltime and part time basis in English and the closing date for applications is the 15 October. Selection takes place during November.

G.1.14.6.1 Faculty specific rules and requirements of the programme

- a) An honours degree (or equivalent) in psychology or other discipline (e.g. from other health sciences, education, social work, theology). Admission is open to applicants from psychology as well as other disciplines.

- b) The honours degree or equivalent in other academic fields must be with a minimum of 60 – 65%.
- c) It is recommended (but not required) that applicants must already be in a work context.
- d) Apart from the official application process, students must complete an application form for selection, which can be obtained from the programme manager. A complete CV, academic record and two supporting references, one of which is preferably academic, will be required.
- e) An interview and/or other indices may be used during selection;
- f) Students whose academic background is outside of the field of Psychology, should add an additional motivation for doing the course as requested in the application.

G.1.14.6.2 Curriculum G801P: Positive Psychology

The MAPP curriculum consists of course work presented by means of five lectured modules and must be completed during the first year of study. The research project and completion of a research dissertation, is completed in the second year of study.

G.1.14.6.2.1 Curriculum outcomes

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

- a) Demonstrate comprehensive and systematic knowledge of concepts, theories and research in the fields of positive psychology, well-being, positive organisational scholarship, psycho-social health, positive lifespan development and aging and enabling communities;
- b) demonstrate critical awareness of current issues, debates, new insights and cutting edge issues within positive psychology to be able to solve identified problems in the field of positive psychology;
- c) demonstrate competence in positive psychology assessment methods
- d) demonstrate awareness of meta-theoretical and philosophical perspectives in positive psychology and the role of cultural, social, economic, political, historical aspects in conceptualizations and practices of positive psychology.
- e) use principles, concepts and theories from positive psychology to assess and enhance psycho-social health and well-being in various contexts, for facilitation of life-span development, capacity building, prevention and advocacy for more comprehensive public health policies;
- f) make interventions at the appropriate level within a system, based on the understanding of the hierarchical relations within the system, and the ability to address the intended and unintended consequences of interventions;
- g) show an awareness of and understanding of ethical constraints associated with application of positive psychology interventions; contribute to the development of ethical standards in specific contexts; identify, and manage emerging ethical issues and monitor consequences where applicable.

- h) develop knowledge, understanding, skills and experience needed to carry out research in positive psychology.
- i) demonstrate the ability to creatively select, design and apply appropriate research methods and techniques, appropriate to the specific issue and context.
- j) communicate ideas from positive psychology to a wide range of audiences with different levels of knowledge or expertise.
- k) reflect critically on own learning and experience; demonstrate the ability to develop own learning strategies which can sustain independent learning and academic development, and to take responsibility for own work, decisions and use of resources.

G.1.14.6.2.2 Compilation of curriculum: Positive Psychology

Qualification and programme code: 103 195; **Curriculum code:** G801P

Module code	Descriptive name	Credits
PSYP874	Introduction to Positive Psychology	24
PSYP875	Research methods in Positive Psychology	24
PSYP876	Assessment and Basics of Interventions	24
PSYP877	Applications in Positive Psychology	24
PSYP878	Advanced Positive Psychology	24
PSYP873	Research Mini-dissertation in Positive Psychology	60
Credit total for the curriculum		180

G.1.14.7 Programmes phasing out due to programme alignment:

G.1.14.7.1 Programme: Recreational Science: 103 182 - G815P

No new students admitted to this programme in 2017.

New students register for the Master of Health Sciences in Recreation Sciences (8CN N01 – G801P).

G.1.14.7.2 Programme: Biokinetics 103 191 - G801P

No new students admitted to this programme in 2017.

New students register for the Master of Health Sciences in Human Movement Sciences (8DH N01 – G801P).

G.1.14.7.3 Programme: Kinderkinetics: 103 192 - G802P

No new students admitted to this programme in 2017.

New students register for the Master of Health Sciences in Human Movement Sciences (8DH N01 – G801P).

G.1.14.7.4 Programme: Sport Science: 103 192 - G803P

No new students admitted to this programme in 2017.

New students register for the Master of Health Sciences in Human Movement Sciences (8DH N01 – G801P).

G.1.14.7.5 Programme: Psychology: 103 181 - G801P

No new students admitted to this programme in 2017.

New students register for the Master of Health Sciences in Psychology at Mafeking and Vaal sites. The programme will no longer be available at Potchefstroom.

G.1.15 RULES FOR THE DEGREE MASTER OF CONSUMER SCIENCES

The curricula for the master's degree or the framework within which the curriculum may be compiled, is determined by the relevant school and/or research entity.

This study may be conducted full time or part time.

G.1.15.1 Duration (minimum and maximum)

The minimum duration for the study is one year and the maximum duration two years, calculated from the date of first registration for the particular programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Although a maximum study period of two years is granted by the faculty, students who apply for an additional third study year according to the Academic rules of the University, must note that it will have financial implications for them.

G.1.15.2 Admission requirements of the qualification

A student who wishes to register for a Master's degree must have acquired an honours degree or equivalent qualification in the applicable field as approved by the Senate.

G.1.15.3 Outcomes of the qualification

After completion of the qualification the graduate will demonstrate:

- a) extensive and integrated specialist knowledge of and engagement in a selected discipline of Consumer Sciences (Interior, Fashion, Foods and Consumer behaviour);
- b) the ability to reflect critically and deliver critique of current research or consumer practices in order to develop advanced scholarship in the area of specialisation;
- c) the ability to identify, investigate and address complex and challenging consumer-related problems/issues with a view to develop logical insight and creative solutions to the benefit of the South African consumer;
- d) the ability to apply appropriate qualitative and quantitative research methodologies in an ethical manner with a view to use research data to solve consumer-related and practice-oriented problems/issues;
- e) the ability to effectively communicate (verbally and in writing) and defend substantial consumer-related ideas and solutions in an academically

correct and professional manner using different types of media and technologies;

- f) the ability to work effectively as an individual and in a group to identify and address the intended and unintended consequences of consumer interventions, sustain independent learning and academic development and take full responsibility for own research results.

G.1.15.4 Programme: Consumer Sciences

Qualification code: 8CM N01

The programme consists of a research dissertation. Closing date for applications is 30 September.

G.1.15.4.1 Faculty specific rules and requirements of the programme

- a) General admission requirements of the University hold.
- b) Admission is based on academic performance during previous studies and experience.
- c) An average academic mark of 60% in the honours programme or equivalent four year B Consumer Sciences programme is required.
- d) STTN111 (Descriptive statistics) 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.
- e) The modules, VVBG671 and VNAM671 are compulsory for admission to the programme.
- f) Students who do not comply with the aforementioned requirements may be allowed to write an admissions examination in the modules VVBG671 and VNAM671, which must be passed before final selection will be considered.
- g) The selection process, starting 1 October, consists of a paper selection, based on admission requirements and available capacity. Students will only be admitted to the programme if sufficient capacity is available.
- h) To be taken into consideration for selection, the student must submit a written application to the university. The written application is evaluated during the first paper selection process (A) of the research entity based on admission requirements and available capacity. Prospective students will preferably join existing research projects, as determined by the research entity.
- i) All applicants, meeting the requirements of the first paper selection process (B), will hand in a written assignment on a research topic that is provided, which is not necessarily the topic that the student if accepted will work on for his/her research project.
- j) Applicants who are successful during the second paper selection procedure (C) will be invited for a selection interview as a final selection procedure.

G.1.15.4.2 Curriculum: G801P Consumer Sciences

G.1.15.4.3 Compilation of the curriculum: Consumer Sciences

Qualification- and programme code: 8CM N01 Curriculum code: G801P

Module code	Descriptive name	Credits
VERW871	Dissertation: Consumer Sciences	180
Total credits for the curriculum		180

G.1.15.5 Programme phasing out due to programme alignment:

G.1.15.5.1 Programme: Consumer Sciences: 836 100 - G880P (structured)

No new students admitted to this programme in 2017.

New students register for the research degree Master of Consumer Sciences (8CM N01 – G801P).

G.1.16 RULES FOR THE DEGREE MASTER OF HEALTH SCIENCES IN CARDIOVASCULAR PHYSIOLOGY

G.1.16.1 Duration (Minimum and maximum)

The minimum duration for the study is one year and the maximum duration two years, calculated from the date of first registration for the particular programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Although a maximum study period of two years is granted by the faculty, students who apply for an additional third study year according to the Academic rules of the University, must note that it will have financial implications for them.

G.1.16.2 Admission requirements of the qualification

A student who wishes to register for a Master's degree must have acquired an honours degree or equivalent qualification in the applicable field as approved by the Senate.

G.1.16.3 Outcomes of the qualification

After completing the qualification, students should demonstrate the following:

- specialist knowledge of the field of Cardiovascular Physiology and the ability to engage with and critique current research or practice in this field;
- the ability to identify a relevant research question within the field of Cardiovascular Physiology and to analyse, evaluate and then choose appropriate enquiry methods and processes for the study of this problem;
- critical knowledge and understanding of the ethical and legal considerations applicable to research and the consequences of interventions on individual and group level;
- design and application of appropriate and creative quantitative and/or qualitative research methodology, techniques and procedures to

investigate practical and theoretical problems in the field of Cardiovascular Physiology;

- e) an ability to interpret research findings in a scientifically-correct manner and write a detailed research report to record the design and findings; - an ability to develop and sustain independent learning, as well as academic and professional development;
- f) practice acceptable social sensitivity in their relationship with others and work effectively in a team by implementing the relevant theory and reflect on the implementation thereof;
- g) the ability to deliver high quality and cost-effective services as part of the Cardiovascular Physiology team;
- h) critical oral and written communication skills in order to communicate effectively with employees and employers from industry;
- i) the ability and motivation to stay up to date with current research in the field of Cardiovascular Physiology and thereby commit to becoming a lifelong learner;
- j) exploration of different effective learning strategies to acquire the different capabilities of a scientist in the field of Cardiovascular Physiology.

G.1.16.4 Programme: Cardiovascular Physiology

Qualification code: 8DD N01

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

The programme is presented on a fulltime basis and the general closing date for applications is 31 October. Applications received after this date will be considered on merit.

G.1.16.4.1 Faculty specific rules and requirements of the programme

- a) The student must be in possession of a relevant honours degree or equivalent qualification;
- b) An average mark of at least 60% in Physiology (or equivalent qualification) at honours level is required;
- c) It is recommended that students should follow Pharmacology and Therapy (FKLG211) as additional module to improve their knowledge with regard to therapy;
- d) Selection and approval by a postgraduate selection committee is subject to available capacity;
- e) It is strongly recommended that the student should provide proof of immunisation, at least against Hepatitis A and B;
- f) A satisfactory behaviour and functioning record should be maintained on a continual basis by the students.

G.1.16.4.2 Curriculum G801P: Cardiovascular Physiology

G.1.16.4.2.1 Compilation of the curriculum: Cardiovascular Physiology

Qualification and programme code: 8DD N01; Curriculum code: G801P

Module code	Descriptive name	Credits
PHYS871	Dissertation: Cardiovascular Physiology	180
Total credits for the curriculum		180

G.1.17 RULES FOR THE DEGREE MASTER OF HEALTH SCIENCES IN GERONTOLOGY

G.1.17.1 Duration (Minimum and maximum)

The minimum duration for the study is one year and the maximum duration two years, calculated from the date of first registration for the particular programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Although a maximum study period of two years is granted by the faculty, students who apply for an additional third study year according to the Academic rules of the University, must note that it will have financial implications for them.

G.1.17.2 Admission requirements of the qualification

A student who wishes to register for a Master's degree must have acquired an honours degree or equivalent qualification in the applicable field as approved by the Senate.

G.1.17.3 Outcomes of the qualification

After completing this qualification, the student should demonstrate:

- advanced, systematic and specialist knowledge, understanding and skill to undertake research on 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 gerontology;
- knowledge and critical understanding of international and national population trends with special focus on population and individual aging both globally and in South Africa;
- an ability to analyse, compare and understand the key theoretical and conceptual approaches to gerontology from both a bio-medical and a social science perspective;
- knowledge and critical understanding of current and emerging individual and community needs related to the ageing process in lieu of the complex realities facing older people in South Africa;
- an ability to recognize and utilize the strengths of and contributions from older persons to deal with the complex realities of ageing in a national and global context and to promote the concept of positive ageing; and

- f) the skill to draw valid, reliable and relevant conclusions from different sources in order to apply these in micro-, meso- and macro level-interventions; and
- g) to translate demographic ageing challenges into policy frameworks.

G.1.17.4

Programme: Gerontology

Qualification code: 862 101

Health care professionals credited with this qualification will be able to function with advanced intellectual and practical competencies in complex and ill-defined areas of health focusing on a transdisciplinary team approach of health promotion in old age. The programme aims at advancing existing professional skills and developing research skills but do not lead to an additional professional qualification.

The programme will enable health care professionals from various disciplines to assist the elderly in communities to increase control over and improve their own health. The health care professional will be able to act as leaders, consultants, educators, specialist practitioners and researchers in gerontology.

The programme focuses on both the bio-medical and the social sciences perspectives on gerontology, and supports a multi-disciplinary approach to the ageing phenomenon. Completion of this curriculum of the Master's degree will equip students to register for a doctoral degree in the field of the Health Sciences.

This qualification affords health professionals access to doctoral studies, further increasing the candidate pool for leadership in health.

The programme is presented fulltime and part time and the closing date for applications is: 30 September.

G.1.17.4.1

Faculty specific rules and requirements of the programme

- a) Students should have a four-year or Honours qualification in any relevant health related discipline, including biology, demography, economics, epidemiology, gerontology, the human sciences, medicine, psychiatry, psychology, public health, social policy, nursing and sociology.
- b) Experience in gerontology will be an advantage.

G.1.17.4.2

Curriculum: Gerontology: G801P

The purpose of the curriculum is to equip students from a variety of disciplines to develop a comprehensive understanding of causes, dynamics and implications of individual and societal ageing in order for them to promote the well-being and quality of life of older people; meet older people's present and projected needs; enable older people to remain within their own communities for as long as possible; apply new knowledge to plan and implement appropriate interventions, activities and proposals within complex contexts such as HIV/AIDS, poverty as well as changing family dynamics.

G.1.17.4.2.1 Composition of curriculum: Gerontology**Qualification- and programme code: 862 101; Curriculum: G801P**

Module code	Descriptive name	Credits
TDHP811	Research methodology	16
TDHP812	Transdisciplinary health promotion	16
GRTL813	Population ageing and policies	16
GRTL814	Bio-medical and social theories	16
GRTL815	Quality of life and well-being of older persons	8
GRTL816	Gerontological interventions	8
GRTL873	Mini-dissertation: Gerontology	100
Credit total for the curriculum		180

G.1.18 RULES FOR THE DEGREE MASTER OF HEALTH SCIENCES IN HUMAN MOVEMENT SCIENCES**G.1.18.1 Duration (Minimum and maximum)**

The minimum duration for the study is one year and the maximum duration two years, calculated from the date of first registration for the particular programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Although a maximum study period of two years is granted by the faculty, students who apply for an additional third study year according to the Academic rules of the University, must note that it will have financial implications for them.

G.1.18.2 Admission requirements of the qualification

A student who wishes to register for a Master's degree must have acquired an honours degree or equivalent qualification in the applicable field as approved by the Senate.

G.1.18.3 Outcomes of the qualification

After the successful completion of this qualification students should demonstrate:

- extensive specialist knowledge in a particular field of Human Movement Sciences with a view to critique and evaluate current literature and research methodologies prevalent in this field;
- advanced knowledge and deep understanding of a particular field of Human Movement Sciences across the life-span and in different clinical populations in order to assess risk, prescribe appropriate exercise or life style changes, manage disease prevention or improve sport performance;
- an ability to select and apply appropriate research methods of enquiry and appropriate research instruments within the quantitative and qualitative paradigm in order to investigate a complex issue or problem in the field of Human Movement Sciences;

- d) an ability to effectively diagnose the exercise/movement/ physical needs of individuals, groups and communities, design basic intervention programmes, and apply these in various socio-cultural contexts;
- e) the ability to conceptualize and motivate a research design, and then undertake the research under supervision in an ethical manner to address and find solutions for identified issue or problem particular to this field of study; and
- f) the ability to communicate and defend research results in a professional and creative manner via an academically sound research dissertation or mini-dissertation, with correct referencing and technical requirements.

G.1.18.4 Programme: Human Movement Sciences

Qualification code: 8DH N01

The curriculum composing this programme is of an academic nature. The programme gives an opportunity for the development of specialised and advanced knowledge, applied skills, attitudes and values as researchers in Human Movement Sciences.

The programme is presented fulltime and part time and applications should be submitted by 11 September (Late applications will be considered on merit).

G.1.18.4.1 Faculty specific rules and requirements of the programme

- a) A completed honours or a 4-year qualification in Human Movement Sciences or related specialization field;
- b) passing of a selection process as prescribed by the School;
- c) capacity stipulations are applicable and admission is subject to approval by the School and Research Directors respectively;
- d) an average academic performance of 60% in the honours or the 4th year of graduate study.
- e) an average of 65% for a research methods module on fourth year level will be required;
- f) a satisfactory behaviour and functioning record should be maintained on a continual basis by all students.

G.1.18.4.2 Curriculum G801P: Human Movement Sciences

G.1.18.4.2.1 Compilation of the curriculum: Human Movement Sciences

Qualification-and programme code: 8DH N01; Curriculum code: G801P

Module code	Descriptive name	Credits
MBWM871	Dissertation: Human Movement Sciences	180
Total credits for the curriculum		180

G.1.19 RULES FOR THE DEGREE MASTER OF HEALTH SCIENCES IN RECREATION SCIENCE

G.1.19.1 Duration (Minimum and maximum)

The minimum duration for the study is one year and the maximum duration two years, calculated from the date of first registration for the particular programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Although a maximum study period of two years is granted by the faculty, students who apply for an additional third study year according to the Academic rules of the University, must note that it will have financial implications for them.

G.1.19.2 Admission requirements of the qualification

A student who wishes to register for a Master's degree must have acquired an honours degree or equivalent qualification in the applicable field as approved by the Senate.

G.1.19.3 Outcomes of the qualification

After the successful completion of this qualification students should demonstrate:

- a) extensive specialist knowledge in a particular field of Recreation Science (Recreation Practice management, Health Promotion, Child welfare, Therapeutic Recreation and Leisure programming) with a view to critique and evaluate current literature and research methodologies prevalent in this field;
- b) an ability to select and apply appropriate research methods of enquiry and appropriate research instruments within the quantitative and / or qualitative paradigm in order to investigate a complex issue or problem in the field of Recreation Science;
- c) an ability to effectively diagnose the recreation needs of individuals, groups and communities, design basic intervention programmes, and apply these in various socio-cultural contexts;
- d) the ability to conceptualize and motivate a research design, and then undertake the research under supervision in an ethical manner to address and find solutions for identified issue or problem particular to this field of study; and
- e) the ability to communicate and defend research results in a professional and creative manner via an academically sound research dissertation or mini-dissertation, with correct referencing and technical requirements.

G.1.19.4 Programme: Recreation Science

Qualification code: 8CN N01

The curriculum composing this programme is of academic nature. The programme gives an opportunity for the development of specialised and advanced knowledge, applied skills, attitudes and values as researchers in Recreation.

The programme is presented fulltime and part time and applications should be submitted by 11 September. (Late applications will be considered on merit).

G.1.19.4.1 Faculty specific rules and requirements of the programme

- a) General admission requirements hold.
- b) A selection process as prescribed for the specialist field which takes place during October to November must be passed.
- c) Final selection is subject to approval by the school- and research director.
- d) An average academic performance of 60% in the honours year is required.
- e) An average of 65% for a research methods module on fourth year level will be required.
- f) A satisfactory behaviour and functioning record should be maintained on a continual basis by all students.

G.1.19.4.2 Curriculum G801P: Recreation Science

G.1.19.4.2.1 Compilation of the curriculum: Recreation Science

Qualification-and programme code: 8CN N01; Curriculum code: G801P

Module code	Descriptive name	Credits
RKKV871	Dissertation : Recreation Sciences	180
Total credits for the curriculum		180

G.1.20 RULES FOR THE DEGREE MASTER OF HEALTH SCIENCES IN TRANSDISCIPLINARY HEALTH PROMOTION

G.1.20.1 Duration (Minimum and maximum)

The minimum duration for the study is one year and the maximum duration two years, calculated from the date of first registration for the particular programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Although a maximum study period of two years is granted by the faculty, students who apply for an additional third study year according to the Academic rules of the University, must note that it will have financial implications for them.

G.1.20.2 Admission requirements of the qualification

A student who wishes to register for a Master's degree must have acquired an honours degree or equivalent qualification in the applicable field as approved by the Senate.

G.1.20.3 Outcomes of the qualification

After completion of this qualification the student should have:

- a) advanced, systematic and specialist knowledge, understanding and skills to undertake research on individual, community and/or interdisciplinary level by applying appropriate research methods and techniques to

identify, analyse and formulate complex real-world research problem(s) in the domain of transdisciplinary health promotion, and to communicate and defend, orally and in writing, substantial ideas;

- b) knowledge and critical understanding of international and national population trends and community needs, with special focus on health promotion, both globally and in South Africa;
- c) the competency to undertake a critical and relevant literature survey, to apply theories and specialised tools and techniques in identifying and analysing complex real-world health problems and to draw valid, reliable and relevant conclusions from different sources; and
- d) The ability to communicate (with the help of a supervisor) results of the research effectively and ethically in a coherent dissertation and present this verbally to a specialist and non-specialist audience by using the resources of an academic-professional discourse, including IT.

G.1.20.4

Programme: Transdisciplinary Health Promotion

Qualification code: 862 100

This qualification is presented fulltime and part time in English.

The general closing date for applications is 30 September and applications received after this date will be selected on merit.

The programme is presented fulltime or part time via contact learning with a blended learning environment approach and will enable health-care professionals from various disciplines to assist communities in increasing control over and improvement of their own health. The health-care professionals will be able to act as leaders, consultants, educators, specialist practitioners and researchers in transdisciplinary health promotion.

The programme consists of two (2) compulsory theoretical core modules (16 credits each) providing the necessary grounding for the third module (148 credits) in applied transdisciplinary health research. The three modules are completed in the same year for fulltime studies or in two years for part time students. Module one (1) is a contact session and module two (2) is web-based. Module three (3) is the research project and dissertation.

G.1.20.4.1

Faculty specific rules and requirements of the programme

- a) A relevant four-year professional bachelor degree in Health Sciences, or a relevant three-year and honours degree in Health Sciences or a health-related discipline, including biology, demography, economics, epidemiology, gerontology, the human sciences, medicine, nutrition, psychiatry, psychology, public health, social policy, nursing and sociology.
- b) Paper selection criteria such as academic achievement (a final mark of 60% applies for the previous qualification) and relevant experience.
- c) Successful completion of a quality scientifically written essay according to specific guidelines. It may also be delivered in the form of an oral presentation.
- d) A formal individual in-depth interview by a selection panel of researchers.

- e) Access to and skills in computer technology as this qualification will be delivered via a blended mode and many of the materials and activities will have to be completed on-line.
- f) Apart from the formal requirements, related to university admission, candidates who want to enrol for the masters of Health Sciences in Transdisciplinary Health Promotion must:
 - demonstrate the information-gathering, analysis and presentation skills required for study at exit level 8 on the NQF;
 - demonstrate understanding of and the ability to communicate accurately and comprehensively in the required medium of instruction;
 - take responsibility for their own learning and its progress within a structured learning environment;
 - demonstrate the ability to monitor and evaluate their own performance;
 - have adequate basic knowledge of the discipline he/she represents to be able to argue the contribution of that discipline in a transdisciplinary team.
- g) Students from foreign countries are requested to have their degrees validated by SAQA before admission.
- h) Progression rules: Should a theoretical module be failed a second chance will be afforded. In the case of the dissertation the assessment and moderation policy and faculty rules of the university apply.
- i) Selection by a selection committee takes effect on October 1 and is subject to the academic performance of the student, and available capacity in the subject field. Students who meet the requirements will be invited to an interview.
- j) Selection is subject to approval by the research director.

G.1.20.4.2 Curriculum: Transdisciplinary Health Promotion: G801P

The curriculum in this program is of an academic nature. Health-care professionals who are credited with this qualification will be able to function with advanced intellectual and practical competencies in complex and ill-defined areas of health, focusing on a transdisciplinary team approach of health promotion across the total life span. The programme aims at advancing existing professional skills and developing research skills, but does not lead to an additional professional qualification.

G.1.20.4.2.1 Composition of curriculum: Transdisciplinary Health Promotion Qualification- and programme code: 862 100; Curriculum: G801P

Module code	Descriptive name	Credits
TDHP811	Research methodology	16
TDHP812	Transdisciplinary health promotion	16
TDHP872	Dissertation: Transdisciplinary health promotion	148
Credit total for the curriculum		180

G.1.21 RULES FOR THE DEGREE MASTER OF SCIENCE

G.1.21.1 Duration (Minimum and maximum)

The minimum duration for the study is one year and the maximum duration two years, calculated from the date of first registration for the particular programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Although a maximum study period of two years is granted by the faculty, students who apply for an additional third study year according to the Academic rules of the University, must note that it will have financial implications for them.

G.1.21.2 Admission requirements of the qualification

A student who wishes to register for a Master's degree must have acquired an honours degree or equivalent qualification in the applicable field as approved by the Senate.

G.1.21.3 Programme: Occupational Hygiene

Qualification code: 203 160

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

The programme is presented on a fulltime basis. The closing date for applications is 30 September. Applications received after this date will be considered on merit

G.1.21.3.1 Faculty specific rules and requirements of the programme

- a) The student must be in possession of a relevant honours degree or equivalent qualification;
- b) An average of 65% is required at honours level (or equivalent qualification);
- c) STTN111 (Descriptive statistics) or an equivalent module, FLGX615 (Research methodology) or an equivalent module and FLGX618 (Occupational hygiene monitoring A) or an equivalent module must be passed;
- d) It is strongly recommended that the student must provide proof of immunisation, at least against Hepatitis A and B;
- e) Selection by a selection committee starts on October and is subject to the academic performance of the student;
- f) Selection is further subject to approval by the Director having regard for available capacity;
- g) a scientific essay according to specific guidelines should be successfully completed and the selection panel reserves the right to an individual interview with students.

G.1.21.3.2 Curriculum G851P: Occupational Hygiene

G.1.21.3.2.1 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 an occupational hygienist in the industry.

G.1.21.3.3 Compilation of the curriculum: Occupational Hygiene

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

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
Total credits for the curriculum		192

G.1.21.4 Programme: Clinical Psychology

Qualification code: 203 176

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 COMPRES. In composing the curriculum, consideration was given to career possibilities and manpower needs of our country. This curriculum also prepares the student for further postgraduate studies in Psychology.

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).

The programme is presented on a fulltime basis and the closing date for applications is 4 July where after a selection process will follow.

G.1.21.4.1 Faculty specific rules and requirements of the programme

- An honours degree in Psychology or an applicable equivalent qualification is required;
- An average of 65% in the honours degree is required;
- A paper selection based on academic performance, relevant skills and quality of reference reports will be conducted;

- d) A formal selection process based on an individual in-depth interview by a panel of psychologists, a research assignment, evaluation of traits, skills and potential by means of case studies and group work will be conducted;
- e) A final in-depth interview by a selection panel of internal and external psychologists (departmental and internship representatives) will be conducted;
- f) Final approval is subject to a specific research concept within the focus of the subject group;
- g) 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 study if the academic, behavioural and/or functioning record is unsatisfactory and/or poses a threat to their own health or that of society.
- h) Academic excellence is at all times a priority:
 - A participation mark will be defined and determined for each module. A subminimum of 50% participation mark is required to be able to write examination.
 - A pass mark of 55% per module and an examination sub-minimum of 50% per module are required. The weights for determining the final module mark will be 50% participation mark and 50% examination mark.
 - Candidates will receive a second examination opportunity in a module, only if a paper has been failed, and a maximum mark of 50% will be allocated for such examination opportunity. If the 2nd opportunity is failed the entire year must be repeated. If more than one module is failed the student fails the course.
 - If the experiential progress is not as desired, the internship may be extended.

G.1.21.4.2 Curriculum G802P: Clinical Psychology

G.1.21.4.2.1 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.1.21.4.2.2 Compilation of the curriculum: Clinical Psychology

Qualification-and programme code: 203 176; Curriculum code: G802P

Module code	Descriptive name	Credits
PSYK872	Research Theory and Dissertation in Clinical Psychology	100
PSYC879	Child and Adolescent Pathology and Therapy	20
PSYC880	Theory of Psychological Interventions	20
PSYC884	Applied Psychology and Community	20

Module code	Descriptive name	Credits
	Interventions	
PSYC883	Ethics, Psychodiagnostics and Practical work	20
PSYC885	Psychopharmacology, Neuropsychology and advanced Psychopathology	20
Total credits for the curriculum		200

G.1.21.5 Programme: Counselling Psychology

Qualification code: 203 177

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 COMPRES. In composing the curriculum, consideration was given to career possibilities and manpower needs of our country. This curriculum also prepares the student for further postgraduate studies in Psychology.

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).

The programme is presented on a fulltime basis and the closing date for applications is 4 July where after a selection process will follow.

G.1.21.5.1 Faculty specific rules and requirements of the programme

- a) An honours degree in Psychology or an applicable equivalent qualification is required;
- b) An average of 65% in the honours degree is required;
- c) A paper selection based on academic performance, relevant skills and quality of reference reports will be conducted;
- d) A formal selection process based on an individual in-depth interview by a panel of psychologists, a research assignment, evaluation of traits, skills and potential by means of case studies and group work will be conducted;
- e) A final in-depth interview by a selection panel of internal and external psychologists (departmental and internship representatives) will be conducted.
- f) Final approval is subject to a specific research concept within the focus of the subject group.
- g) 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 study if the academic, behavioural and/or functioning record is unsatisfactory and/or poses a threat to their own health or that of society.
- h) Academic excellence is at all times a priority:
 - A participation mark will be defined and determined for each module. A subminimum of 50% participation mark is required to be able to write examination.

- A pass mark of 55% per module and an examination sub-minimum of 50% per module are required. The weights for determining the final module mark will be 50% participation mark and 50% examination mark.
- Candidates will receive a second examination opportunity in a module, only if a paper has been failed, and a maximum mark of 50% will be allocated for such examination opportunity. If the 2nd opportunity is failed the entire year must be repeated. If more than one module is failed the student fails the course.
- If the experiential progress is not as desired, the internship may be extended.

G.1.21.5.2 Curriculum G802P: Counselling Psychology

G.1.21.5.2.1 Curriculum outcomes

The student will comply with the requirements of the Health Professions Council of South Africa (HPCSA) to register for an internship in Counselling 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.1.21.5.2.2 Compilation of the curriculum: Counselling Psychology

Qualification-and programme code: 203 177; Curriculum code: G802P

Module code	Descriptive name	Credits
PSYV872	Research Theory and Dissertation in Counselling Psychology	100
PSYV879	Child and Adolescent Development, Pathology and Therapy	20
PSYV880	Theory of Psychological Interventions in Counselling Psychology	20
PSYV885	Psychopharmacology, Neuropsychology and advanced Psychopathology in Counselling Psychology	20
PSYC884	Applied Psychology and Community Interventions	20
PSYC883	Ethics, Psychodiagnostics and Practical work	20
Total credits for the curriculum		200

G.1.21.6 Programme: Research Psychology

Qualification code: 203 165

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 COMPRES. In composing the curriculum, consideration was given to career possibilities and manpower needs of our country. This curriculum prepares the student for further postgraduate studies in Psychology.

The Research Psychology programme gives an opportunity for specialised and advanced training and is a prerequisite for registration as an intern and

eventually a Research Psychologist at the Health Professions Council of South Africa (HPCSA).

The programme is presented on a fulltime basis and the closing date for applications is 30 September where after a selection process will follow during October.

G.1.21.6.1 Faculty specific rules and requirements of the programme

- a) An Honours degree in Psychology is required (with at least 65 %);
- b) Passing of an paper-, academic- and personality screening at the completion of the honours degree for admission to the professional programme in Research Psychology;
- c) Students must submit a selection application by 30 September. The application should consist of the following: (a) a letter of motivation, (b) complete CV, (c) complete academic record, (d) a two page proposal with possible research topics.
- d) Students who comply with all the requirements will be invited for a selection interview to determine their potential to benefit from the research programme and will be requested to complete a research assignment.
- e) 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 the studies if a student's academic, behavioural, and/or function record is unsatisfactory and hold a danger to him/her or the public.
- f) Academic excellence is always a prerequisite. A participation mark will be defined and determined for each module. A pass mark of 55 % per module and an examination sub-minimum of 50 % per module are required. Candidates are only allowed a 2nd opportunity in one paper. If the 2nd opportunity is failed the year must be repeated. Should more papers be failed, the candidate fails the course.
- g) If the experiential progress is not as desired, the internship may be extended.

G.1.21.6.2 Curriculum G801P: Research Psychology

G.1.21.6.2.1 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.
- h) 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.1.21.6.2.2 Compilation of the curriculum: Research Psychology

Qualification-and programme code: 203165; Curriculum code: G801P

Module code	Descriptive name	Credits
PSYC872	Dissertation: Research Psychology	116
PSYC874	Critical Research Skills	16
PSYC875	Quantitative Research Methods	16
PSYC876	Qualitative Research Methods	16
PSYC877	Project management	16
Total credits for the curriculum		180

G.1.21.7 Programmes phasing out due to programme alignment:

G.1.21.7.1 Programme: Dietetics: 203 169 – G851P and G875P

No new students admitted to this programmes in 2017.

New students register for the structured Master of Science in Dietetics (8DB P01 – G801P).

G.1.21.7.2 Programme: Biokinetics: 203 195 – G801P

No new students admitted to this programme in 2017.

New students register for the Master of Health Sciences in Human Movement Sciences (8DH N01 – G801P).

G.1.21.7.3 Programme: Kinderkinetics: 203 196 – G802P

No new students admitted to this programme in 2017.

New students register for the Master of Health Sciences in Human Movement Sciences (8DH N01 – G801P).

G.1.21.7.4 Programme: Sport Science: 203 197 – G803P

No new students admitted to this programme in 2017.

New students register for the Master of Health Sciences in Human Movement Sciences (8DH N01 – G801P).

G.1.21.7.5 Programme: Nutrition: 203 166 – G870P and G871P

No new students admitted to this programme in 2017.

New students register for the research Master of Science in Nutrition (8DA N01 – G801P) or the structured Master of Science in Nutrition (8CW P01 – G801P).

G.1.21.7.6 Programme: Pharmaceutical Chemistry: 203 184 – G801P

No new students admitted to this programme in 2017.

New students register for the Master of Science in Pharmaceutical Chemistry (8DE N01 – G801P).

G.1.21.7.7 Programme: Pharmacology: 203 185 – G801P

No new students admitted to this programme in 2017.

New students register for the Master of Science in Pharmacology (8DF N01 – G801P).

G.1.21.7.8 Programme: Pharmaceutics: 203 186 – G801P

No new students admitted to this programme in 2017.

New students register for the Master of Science in Pharmaceutics (8DG N01 – G801P).

G.1.21.7.9 Programme: Physiology: 203 171 – G855P

No new students admitted to this programme in 2017.

New students register for the Master of Health Sciences in Cardiovascular Physiology (8DD N01 – G801P).

G.1.22 RULES FOR THE DEGREE MASTER OF SCIENCE IN PHARMACEUTICAL CHEMISTRY

G.1.22.1 Duration (Minimum and maximum)

The minimum duration for the study is one year and the maximum duration two years, calculated from the date of first registration for the particular programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Although a maximum study period of two years is granted by the faculty, students who apply for an additional third study year according to the Academic rules of the University, must note that it will have financial implications for them.

G.1.22.2 Admission requirements of the qualification

A student who wishes to register for a Master's degree must have acquired an honours degree or equivalent qualification in the applicable field as approved by the Senate.

G.1.22.3 Outcomes of the qualification

After completion of the qualification the student must demonstrate:

- a) advanced/comprehensive specialist knowledge and skills in order to identify relevant research questions within the field of Pharmaceutical Chemistry;
- b) identification of a research problem/need, and plan and execute a suitable research design in a scientific and ethical manner by making use of appropriate research methods, techniques and procedures;

- c) critical knowledge and understanding of the ethical and legal considerations applicable to research and the consequences of interventions on individual, group and community level;
- d) interpretation and integration of 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
- e) leadership qualities, including ethical and responsible actions, in the pharmacists' profession in the field of Pharmaceutical Chemistry.

G.1.22.4 Programme: Pharmaceutical Chemistry

Qualification code: 8DE N01

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 curriculum 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 and will be capable of applying Research Methodology at this level and in the specific field of study.

The curriculum is presented fulltime in Afrikaans and English.

The general closing date for applications is 31 October. Applications received after this date will be considered on merit.

G.1.22.4.1 Faculty specific rules and requirements of the programme

- a) A four year B Pharm degree, a BSc (Pharm) degree and 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 aforementioned cases additional course work will be required as determined by the sub-programme leader.
- b) Students who do not have a B Pharm degree will be assessed according to prior learning.
- c) A 60% pass mark will be required for first semester modules in the final year of the B Pharm degree
- d) Selection involves the submission of a formal application form, an internal selection form and curriculum vitae by the applicant as well as a possible interview by the sub-programme leader and researchers.
- e) The research 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) wherein he/she wants to study does not comply with the specific curriculum requirements.

G.1.22.4.2 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 studies" in the Centre of Excellence for Pharmaceutical Sciences.

G.1.22.4.2.1 Compilation of the curriculum: Pharmaceutical Chemistry

Qualification and programme code: 8DE N01; Curriculum code: G801P

Module code	Descriptive name	Credits
FCHG871	Dissertation: Pharmaceutical Chemistry	180
Total credits for the curriculum		180

G.1.23 RULES FOR THE DEGREE MASTER OF SCIENCE IN PHARMACOLOGY

G.1.23.1 Duration (Minimum and maximum)

The minimum duration for the study is one year and the maximum duration two years, calculated from the date of first registration for the particular programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Although a maximum study period of two years is granted by the faculty, students who apply for an additional third study year according to the Academic rules of the University, must note that it will have financial implications for them.

G.1.23.2 Admission requirements of the qualification

A student who wishes to register for a Master's degree must have acquired an honours degree or equivalent qualification in the applicable field as approved by the Senate.

G.1.23.3 Outcomes of the qualification

After completion of this qualification the student should be able to:

- make a responsible selection of drugs based on pharmacological-scientific and ethical principles in the best interest of the patient.
- demonstrate knowledge of pharmacological principles underlying drug therapy; have an insight into the dynamics and kinetics of and interaction between drugs, including a comprehensive range of drug groups, evaluate existing drug prescriptions, and advise the patient with regard to drug treatment; synthesise individualised pharmacological treatment approaches for a wide range of disease states;
- retrieve the latest information on drug treatment from the Internet; evaluate published clinical trials on drug treatment and demonstrate insight into general research methodology and clinical experiments.
- statistically analyse research data and communicate results in an Internet-based environment; work individually and in teams, show a sensitivity for a patient-oriented approach to drug therapy and discuss and debate orally and in writing, within a frame of reference relevant ethical questions regarding drug uses.

G.1.23.4 Programme: Pharmacology
Qualification code: 8DF N01

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 curriculum 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.

The curriculum is presented fulltime in Afrikaans and English.

The general closing date for applications is 31 October. Applications received after this date will be considered on merit.

G.1.23.4.1 Faculty specific rules and requirements of the programme

- a) A four year B Pharm degree, a BSc (Pharm) degree and a suitable honours degree or a qualification which the Senate deems to be equivalent. In all the aforementioned cases additional course work will be required as determined by the sub-programme leader.
- b) Students who do not have a B Pharm degree will be assessed according to prior learning.
- c) A 60% pass mark will be required for first semester modules in the final year of the B Pharm degree
- d) Selection involves the submission of a formal application form, an internal selection form and curriculum vitae by the applicant as well as a possible interview by the sub-programme leader and researchers.
- e) The research 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) wherein he/she wants to study does not comply with the specific curriculum requirements.

G.1.23.4.2 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 Centre of Excellence for Pharmaceutical Sciences.

G.1.23.4.2.1 Compilation of the curriculum: Pharmacology

Qualification and programme code: 8DF N01; Curriculum code: G801P

Module code	Descriptive name	Credits
FKLG871	Dissertation: Pharmacology	180
Total credits for the curriculum		180

G.1.24 RULES FOR THE DEGREE MASTER OF SCIENCE IN PHARMACEUTICS

G.1.24.1 Duration (Minimum and maximum)

The minimum duration for the study is one year and the maximum duration two years, calculated from the date of first registration for the particular programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Although a maximum study period of two years is granted by the faculty, students who apply for an additional third study year according to the Academic rules of the University, must note that it will have financial implications for them.

G.1.24.2 Admission requirements of the qualification

A student who wishes to register for a Master's degree must have acquired an honours degree or equivalent qualification in the applicable field as approved by the Senate.

G.1.24.3 Outcomes of the qualification

After completion of the qualification the student must demonstrate:

- a) advanced/comprehensive specialist knowledge and skills in order to identify relevant research questions within the field of Pharmaceutics;
- b) identification of a research problem/need, and plan and execute a suitable research design in a scientific and ethical manner by making use of appropriate research methods, techniques and procedures;
- c) critical knowledge and understanding of the ethical and legal considerations applicable to research and the consequences of interventions on individual, group and community level;
- d) interpretation and integration of 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
- e) leadership qualities, including ethical and responsible actions, in the pharmacists' profession in the field of Pharmaceutics.

G.1.24.4 Programme: Pharmaceutics

Qualification code: 8DG N01

The MSc degree in Pharmaceutics is a research-based degree and consists of a research project and the writing of a dissertation on a topic in the field of Pharmaceutics. The aim of the curriculum 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.

The curriculum is presented fulltime in Afrikaans and English.

The general closing date for applications is 31 October. Applications received after this date will be considered on merit.

G.1.24.4.1 Faculty specific rules and requirements of the programme

- a) A four year B Pharm degree or a BSc (Pharm) degree with a suitable honours degree 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.
- b) Selection involves the submission of a formal application form, an internal selection form and curriculum vitae by the applicant as well as a possible interview by the sub-programme leader and researchers.
- c) A 60% pass mark will be required for first semester modules in the final year of the B Pharm degree.
- d) The research 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) wherein he/she wants to study does not comply with the specific curriculum requirements.

G.1.24.4.2 Curriculum G801P: Pharmaceutics

The curriculum consists of a research project in a field within the relevant research focus area, which involves the writing of a research proposal that has to be approved by the relevant Scientific Committee and completion of training courses as determined by the supervisor in deliberation with the Director of the Centre of Excellence for Pharmaceutical Sciences. The completion of the research project culminates in the writing of a dissertation that is examined for mark allocation.

G.1.24.4.2.1 Composition of the curriculum: Pharmaceutics

Qualification and programme code: 8DG N01; Curriculum code: G801P

Module code	Descriptive name	Credits
FMSG871	Dissertation: Pharmaceutics	180
Total credits for the curriculum		180

G.1.25 RULES FOR THE DEGREE MASTER OF SCIENCE IN PHARMACEUTICAL SCIENCES

G.1.25.1 Duration (Minimum and maximum)

The minimum duration for the study is one year and the maximum duration two years, calculated from the date of first registration for the particular programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Although a maximum study period of two years is granted by the faculty, students who apply for an additional third study year according to the Academic rules of the University, must note that it will have financial implications for them.

G.1.25.2 Admission requirements of the qualification

A student who wishes to register for a Master's degree must have acquired an honours degree or equivalent qualification in the applicable field as approved by the Senate.

G.1.25.3 Outcomes of the qualification

After completion of the qualification the student must demonstrate:

- a) advanced/comprehensive specialist knowledge and skills in order to identify relevant research questions within the field of Pharmaceutical Sciences;
- b) identification of a research problem/need, and plan and execute a suitable research design in a scientific and ethical manner by making use of appropriate research methods, techniques and procedures;
- c) critical knowledge and understanding of the ethical and legal considerations applicable to research and the consequences of interventions on individual, group and community level;
- d) interpretation and integration of 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
- e) leadership qualities, including ethical and responsible actions, in the pharmacists' profession in the field of Pharmaceutical Sciences.

G.1.25.4 Programme: Pharmaceutical Sciences

Qualification code: 8BP N01

The MSc degree in Pharmaceutical Sciences is a research-based degree and consists of a research project and the writing of a dissertation.

The aim of the curriculum is to deliver students with advanced knowledge and expert and applied skills to provide in South Africa's need of high-level manpower in the pharmacy profession as well as other related sectors.

The student will distinguish himself/herself as a specialist in the specific field and will be capable of applying Research Methodology at this level and in the specific field of study.

The curriculum is presented fulltime in Afrikaans and English.

The general closing date for applications is 31 October. Applications received after this date will be considered on merit

G.1.25.4.1 Admission and selection requirements of the programme

- a) A B Pharm degree; or
- b) BSc Honours degree in Natural- or Health Sciences with one full year (two semesters) Chemistry completed on NQF level 5; or
- c) Any other qualification which the Senate deems to be equivalent.

- d) Admission is subject to the approval of the Director of the Preclinical Drug Development platform (PCDDP).
- e) A 60% pass mark will be required for first semester modules in the final year of the first degree.
- f) The research 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) wherein he/she wants to study does not comply with the specific curriculum requirements.
- g) It will be expected of a student with a BSc Honours degree (without a B Pharm degree) to complete non-creditable modules with regards to Pharmaceutical Sciences. These modules may be completed in the form of short courses in the Preclinical Drug Development platform.

G.1.25.4.2 Curriculum: Pharmaceutical Sciences: G801P

The curriculum consists of a research project within the relevant research focus area, culminating in the writing and approval of a research proposal at the Scientific Committee as well as completion of training courses and modules as determined by the supervisor in consultation with the Director of the Preclinical Drug Development platform (PCDDP).

Completion of the research project culminates in the writing and examining of a dissertation with a view to acquire a result. Students admitted with a BSc honours degree will also be expected to, in addition to the dissertation, complete modules/short courses related to Pharmaceutical Sciences.

G.1.25.4.2.1 Composition of the curriculum: Pharmaceutical Sciences

Qualification and programme code: 8BP N01; Curriculum code: G801P

Module code	Descriptive Name	Credits
FMWG871	Dissertation: Pharmaceutical Sciences	180
Credit total for curriculum		180

G.1.26 RULES FOR THE DEGREE MASTER OF SCIENCE IN NUTRITION

G.1.26.1 Duration (Minimum and maximum)

The minimum duration for the study is one year and the maximum duration two years, calculated from the date of first registration for the particular programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Although a maximum study period of two years is granted by the faculty, students who apply for an additional third study year according to the Academic rules of the University, must note that it will have financial implications for them.

G.1.26.2 Admission requirements of the qualification

A student who wishes to register for a Master's degree must have acquired an honours degree or equivalent qualification in the applicable field as approved by the Senate.

G.1.26.3 Outcomes of the qualification

After completion of this qualification 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; to interpret the research findings in a scientifically accountable way;
- c) to compose a research report on it in the form of a dissertation or article format;
- d) with critical knowledge and understanding of the ethical and legal considerations applicable to research and the consequences of interventions on individual, group and community level; and
- e) to play a leading role in nutrition care in South Africa.

G.1.26.4 Programme: Nutrition (Research programme)

Qualification code: 8DA N01

The students follows a research curriculum and submit a research dissertation after completing the study.

"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 fulfilment of the requirements of the prescribed outcomes for a master's degree at the University.

The programme is presented on a fulltime and part time basis and the closing date for applications is 30 September.

G.1.26.4.1 Faculty specific rules and requirements of the programme

- a) The student must be in possession of a 4-year B (Sc) Dietetics degree, a relevant Honours degree or equivalent qualification as approved by a postgraduate selection committee. The student should have obtained at least 60% in the Honours degree;
- b) Students with a four year B(Sc) Dietetics degree should have obtained at least 60% in all of the third-year Nutrition modules as well as in the research module;
- c) STTN111 (Descriptive statistics) or an equivalent module must be passed;
- d) Students to be registered for this programme must at the time of registration submit proof of immunisation against Hepatitis A and B, being administered during the previous 5 years;

- e) The final decision of whether the student will be admitted to the mini-dissertation or the dissertation in Nutrition lies with the postgraduate selection committee;
- f) Non-nutrition students who did not complete a BSc Dietetics or BSc Nutrition degree will be required to complete additional nutrition modules (non-credit bearing) on an ad hoc basis as determined by the postgraduate selection committee;
- g) Selection by a selection committee starts on the 1st of October and is subject to the academic performance of the student. Students, who comply with all the requirements, will be invited to an interview;
- h) Selection is subject to available capacity and approval of the director of the Centre of Excellence for Nutrition.

G.1.26.4.2 Curriculum: Nutrition: G801P

G.1.26.4.2.1 Qualification and programme code: 8DA N01 Curriculum code: G801P

Module code	Descriptive name	Credits
NUTN871	Dissertation: Nutrition	180
Total credits for the curriculum		180

G.1.26.5 Programme: Nutrition (Structured programme)

Qualification code: 8CW P01

The student follow a curriculum consisting of four lectured modules and a mini-dissertation.

"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 examination 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 fulfilment of the requirements for obtaining a Master's degree at the university in accordance with the prescribed rules.

The programme is presented on a fulltime and part time basis and the closing date for applications is 30 September.

G.1.26.5.1 Faculty specific rules and requirements of the programme

- a) The student must be in possession of a 4-year B (Sc) Dietetics degree, a relevant Honours degree or equivalent qualification as approved by a postgraduate selection committee. The student should have obtained at least 60% in the Honours degree;
- b) Students with a four year B(Sc) Dietetics degree should have obtained at least 60% in all of the third-year Nutrition modules as well as in the research module;

- c) STTN111 (Descriptive statistics) or an equivalent module must be passed;
- d) Students to be registered for this programme must at the time of registration submit proof of immunisation against Hepatitis A and B, being administered during the previous 5 years;
- e) The final decision of whether the student will be admitted to the mini-dissertation or the dissertation in Nutrition lies with the postgraduate selection committee;
- f) Non-nutrition students who did not complete a BSc Dietetics or BSc Nutrition degree will be required to complete additional nutrition modules (non-credit bearing) on an ad hoc basis as determined by the postgraduate selection committee;
- g) Selection by a selection committee starts on the 1st of October and is subject to the academic performance of the student. Students, who comply with all the requirements, will be invited to an interview;
- h) Selection is subject to available capacity and approval of the director of the Centre of Excellence for Nutrition.

G.1.26.5.2 Curriculum: Nutrition G801P

G.1.26.5.3 Compilation of the curriculum: Nutrition

Qualification and programme code: 8CW P01; Curriculum code: G801P

Module code	Descriptive name	Credits
NUTM873	Mini-dissertation: Nutrition	96
NUTP874*	Public Health Nutrition	32
NUTA875	Advanced Nutrition	32
NUTS876*	Sport Nutrition	32
NUTE874*	Nutritional Epidemiology	32
Total credits for the curriculum		192

***Choice modules** - select any two (2) modules

G.1.27 RULES FOR THE DEGREE MASTER OF SCIENCE IN DIETETICS

G.1.27.1 Duration (Minimum and maximum)

The minimum duration for the study is one year and the maximum duration two years, calculated from the date of first registration for the particular programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Although a maximum study period of two years is granted by the faculty, students who apply for an additional third study year according to the Academic rules of the University, must note that it will have financial implications for them.

G.1.27.2 Admission requirements of the qualification

A student who wishes to register for a Master's degree must have acquired an honours degree or equivalent qualification in the applicable field as approved by the Senate

G.1.27.3 Outcomes of the qualification

After completion of this qualification the student will:

- a) be able to demonstrate advanced and specialist knowledge and insight with regard to the general scientific method of research with attention to the specific research methodology in Dietetics;
- b) demonstrate critical evaluation of existing theories and research methods relevant to the field of Dietetics, and application of theoretical knowledge and appropriate research methodology in various contexts;
- c) critical knowledge and understanding of the ethical and legal considerations applicable to research and the consequences of interventions on individual, group and community level; and
- d) demonstrate specialist knowledge and competence in the identification, analysis and evaluation of complicated problems in Dietetics, solve it systematically and creatively in an ethically appropriate manner, make theoretically grounded judgements by using the acquired data and information effectively, and clearly communicate (orally or in writing) results and conclusions to specialist and non-specialist audiences.

G.1.27.4 Programme: Dietetics (Structured degree)

Qualification code: 8DB P01

The programme is presented on a fulltime and part time basis and the closing date for applications is 30 September.

G.1.27.4.1 Faculty specific rules and requirements of the programme

- a) The student must be in possession of a four year B (Sc) Dietetics degree. It is also possible to be admitted to this degree with an Honours degree in Dietetics as approved by a postgraduate selection committee;

- b) Students with a four year B(Sc) Dietetics degree should have obtained at least 60% in all of the third year Nutrition modules as well as in the research module;
- c) The student should have obtained at least 60% in the Honours degree;
- d) STTN111 (Descriptive statistics) or an equivalent module must be passed;
- e) Preference will be given to fulltime students;
- f) Students to be registered for this programme must at the time of registration submit proof of immunisation against Hepatitis A and B, being administered during the previous 5 years;
- g) Students who did not complete a BSc Dietetics degree will be required to complete additional nutrition modules (non-credit bearing) on an ad hoc basis as determined by the postgraduate selection committee;
- h) Selection by a selection committee starts on the 1st of October and is subject to the academic performance of the student. Students who comply with the requirements, will be invited to an interview;
- i) Selection is subject to approval by the director and available capacity in the Centre of Excellence for Nutrition.

G.1.27.4.2 Curriculum: Dietetics G801P

G.1.27.4.2.1 Compilation of the curriculum: Dietetics

Qualification-and programme code: 8DB P01; Curriculum code: G801P

Module code	Descriptive name	Credits
Compulsory module		
NUTM873	Mini-dissertation: Dietetics	96
Choice modules		
NUTP874*	Public Health Nutrition	32
NUTA875*	Advanced Nutrition	32
NUTS876*	Sport Nutrition	32
NUTT880*	Nutrition support of the paediatric patient	32
NUTC882*	Nutrition support of the critically ill	32
NUTE874*	Nutritional Epidemiology	32
Total credits for the curriculum		192

***Choice modules** – select any three (3) modules

G.1.28 RULES FOR THE DEGREE MASTER OF PHARMACY

Research and training with the aim of obtaining this qualification in the Faculty of Health Sciences are structured in the research niche area: Medicine Usage in South Africa. (MUSA)

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.

The objective of the M Pharm degree is to train postgraduate 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.1.28.1 Duration (Minimum and maximum)

The minimum duration for the study is one year and the maximum duration two years, calculated from the date of first registration for the particular programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Although a maximum study period of two years is granted by the faculty, students who apply for an additional third study year according to the Academic rules of the University, must note that it will have financial implications for them.

G.1.28.2 Admission requirements of the qualification

Admission to this qualification is done according to the stipulations of the General Rules of the University and Admission Policy as approved by the Senate and Council in compliance with specific requirements as determined by the faculty.

G.1.28.3 Programme: Pharmacy Practice

Qualification code: 803 104

The programme consists of a research project in a research field within the suitable research niche area and culminates in the writing of a dissertation. The general closing date for applications is 30 September. Applications received after this date will be considered on merit.

The programme is presented on a fulltime and part time basis in Afrikaans and English.

G.1.28.3.1 Faculty specific rules and requirements of the programme

- a) A B Pharm degree or an equivalent qualification approved by the Senate is required;
- b) The academic record of a prospective fulltime student with no practise experience will be evaluated during the selection process. For prospective part time students with practise experience, prior learning will be taken into consideration;
- c) In the case of a three year BSc (Pharm) degree additional module work is required as decided by the school director;
- d) Final selection will take place after an interview with the candidate and is dependent on availability of supervisors;
- e) Admission to a programme/curriculum can be refused 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 of the programme/curriculum;
- f) Relevant experience in the field of the program/curriculum is a requirement for the program/curriculum;

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

G.1.28.3.2 Curriculum G802P: Pharmacy Practice

G.1.28.3.2.1 Curriculum outcomes

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

- demonstrate advanced / comprehensive specialist knowledge and skills in order to identify relevant research questions within the field of medicine consumption;
- 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;
- 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
- Act as a leader, i.e. ethically and responsibly, in the pharmacists' profession as far as appropriate medicine consumption is concerned.

G.1.28.3.2.2 Compilation of the curriculum: Pharmacy Practice

Qualification- and programme code: 803 104; **Curriculum code:** G802P

The curriculum consists of two compulsory modules, (FPHA872 and FPHA813) and three choice modules of which one can be selected:

Module code	Descriptive name	Credits
FPHA872	Dissertation: Pharmacy Practice	148
FPHA813	Research Methodology and introductory biostatistics	16
*FPHA811	Applied Pharmacoeconomics	16
*FPHA814	Disease Management	16
*FPHA812	Applied Pharmacoepidemiology	16
Total credits for the curriculum		180

***Choice modules** – select one out of the three modules

G.1.28.4 Programme: Advanced Clinical Pharmacy

No intakes in 2017 in this programme

Qualification code: 803 105

Students in the Master of Pharmacy in Advanced Clinical Pharmacy programmes are provided the opportunity to further their growth beyond entry-level professional competence in patient-centred care, pharmacy management services, and in leadership skills that can be applied in any position regardless of the practice setting. It sets the basis for clinical research and adds the competencies that contribute to working successfully in the health care environment as a motivated and innovative pharmacist.

The course is offered on a two year mixed-mode basis. This programme makes use of a variety of ways to enhance the students' clinical skills (e.g. lectures, exercises, tutorials, workshops, presentations, e-Fundi, and guest speakers). The programme is divided into four semesters (two study years).

The first two semesters are intended to broaden the students' knowledge of subjects relating to the specialization through course work and involves teaching modules that students are obliged to attend. The last two semesters are devoted to clinical practice experience, a research project and the completion of a research mini-dissertation (in the article format).

Applications close on the 31st July where after a selection process will follow during August.

G.1.28.4.1 Admission and selection requirements of the programme

- a) The applicant must have acquired a bachelor degree in Pharmacy (B Pharm).
- b) The selection process involves the evaluation of the applicant's curriculum vitae, a portfolio providing evidence of appropriate clinical experience and of sufficient associated competencies in pharmaceutical care management as well as at least two letters of recommendation from a work colleague or direct manager/supervisor.
- c) Any scientific articles published by the applicant and/or any protocol or guideline developed by the applicant will be taken into consideration.
- d) Psychometric evaluation as well as written and personal interviews with the programme co-ordinator and postgraduate advice counsel will be conducted during the selection process.
- e) Selection is subject to capacity restrictions.

G.1.28.4.2 Additional requirements and faculty specific rules

- a) A current registration from the South African Pharmacy Board is required.
- b) Evidence of appropriate clinical experience and of sufficient associated competencies in pharmaceutical care management must be provided.
- c) Demonstration of appropriate computer literacy is required to enrol for the programme, either by successful completion of a computer literacy pre-test, or by completing an approved short course in basic computer and internet skills.
- d) The pass rate for each component in the curriculum is 60% excluding the mini-dissertation with pass rate 50%.
- e) In the event of plagiarism, a mark of zero will be awarded.
- f) The research project undertaken is required to be of a standard for publication.

G.1.28.4.3 Curriculum G801P: Advanced Clinical Pharmacy

No intakes in 2017 in this curriculum

G.1.28.4.3.1 Curriculum outcomes

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

- a) Manage and improve the medication-use process by ensuring a quality medication-use system.

- b) Provide evidence-based, patient-centred medication therapy management within multidisciplinary health care teams.
- c) Exercise leadership and clinical practice management skills through development, implementation, evaluation and provision of pharmaceutical care plan.
- d) Provide advanced clinical services and practice-related evidence-based information, education and training to diverse specialists.
- e) Utilize medical informatics and manage clinical audits of medicine utilisation.
- f) Design, implement and justify clinical programmes (protocol and guideline development as well as policies and procedures) to enhance the efficacy of patient care.
- g) Perform clinical pharmacy research, critically analyse research reports, report own research and apply research findings to specific clinical settings.

G.1.28.4.3.2 Compilation of the curriculum: Advanced Clinical Pharmacy

Qualification- and programme code: 803 105; **Curriculum code:** G801P

Module code	Descriptive name	Credits
CLNP811	Clinical Pharmacy, Social Pharmacy, and Professional Practice	16
CLNP812	Clinical Epidemiology, Research Methodology, Biostatistics, and Evidence-based Medicine	32
CLNP821	Clinical Pharmacotherapeutics and Therapeutic Outcomes Management II	40
CLNP813	Clinical Pharmacotherapeutics and Therapeutic Outcomes Management I	24
CLNP814	Clinical Drug Toxicology, Drug Therapy in Oncology and the Management of Drug Abuse	16
CLNP873	Mini-dissertation	64
Credit total for the curriculum		192

G.1.29 RULES FOR THE DEGREE MASTER OF SOCIAL WORK

Research and training with the aim of obtaining this qualification in the Faculty of Health Sciences are structured within the focus area COMPRES.

Research and training in Social Work takes place under the guidance of the research director, assisted by the director of the School of Psychosocial Behavioural Sciences and personnel of the subject group Social Work.

Apart from highly exceptional cases that have to be approved by the Senate, the research required for this qualification should be done within the focus area COMPRES.

Studies in this degree can be done fulltime or part time.

G.1.29.1 Duration (minimum and maximum)

The minimum duration for the study is one year and the maximum duration two years, calculated from the date of first registration for the particular programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Although a maximum study period of two years is granted by the faculty, students who apply for an additional third study year according to the Academic rules of the University, must note that it will have financial implications for them.

G.1.29.2 Admission requirements of the qualification

- a) A four year Bachelor's degree in Social Work.
- b) Students enrolling for this programme must provide proof of registration as Social Worker as required by the Act on Social Service Professions 1978 (Act 110 of 1978).

G.1.29.2.1.1 Outcomes of the qualification

On completion of the qualification, candidates should 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.1.29.3 Programme: Social Work

Qualification code: 8CS N01

Completion of this qualification allows students access for admission to doctoral study.

Closing date for applications is 30 September.

G.1.29.3.1 Faculty specific rules and requirements of the programme

- a) A four year Bachelor's degree in Social Work is required;
- b) Candidates must have achieved an average of 65% in the Bachelor's degree in Social Work degree;
- c) Completion of an academic literacy test and/or psychometric test will be required;
- d) Each applicant will be subject to selection interview conducted by a postgraduate panel of the subject group. For this purpose a structured interview schedule will be used and the average of panellist's ratings will serve as selection criterion.

G.1.29.3.2 Curriculum G801P: Social Work

The dissertation option is aimed at 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.

G.1.29.3.2.1 Compilation of the curriculum: Social Work

Qualification- and programme code: 8CS N01; Curriculum code: G801P

Module code	Descriptive name	Credits
MSWR871	Dissertation: Social Work	180
Total credits for the curriculum		180

G.1.29.4 Programme: Child Protection

Qualification code: 113 108

This structured programme is 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 Child Protection

Completion of this qualification allows students access for admission to doctoral study in social work.

Closing date for applications is 30 September.

G.1.29.4.1 Faculty specific rules and requirements of the programme

- a) A four year Bachelor's degree in Social Work is required.
- b) Candidates must have achieved an average of 65% in the Bachelor's degree in Social Work degree.
- c) Completion of an academic literacy test and/or psychometric test will be required.
- d) Each applicant will be subjected to selection interview conducted by a postgraduate panel of the subject group. For this purpose a structured interview schedule will be used and the average of panellist's ratings will serve as selection criterion.

G.1.29.4.2 Curriculum G803P: Child Protection

G.1.29.4.2.1 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-dissertation; and
- d) Plan, implement and evaluate appropriate interventions at micro, meso and macro level.

G.1.29.4.2.2 Compilation of the curriculum: Child Protection

Qualification- and programme code: 113 108; Curriculum code: G803P

Module code	Descriptive name	Credits
First semester		
MWKF880	Research Theory	32
MWKK874	Child protection as field of service	20
MWKK875	Children as a vulnerable group	20
Second semester		
MWKK873	Mini-dissertation: Child protection	60
MWKC874	Alternative care	20
MWKC875	Adoption	28
Total credits for the curriculum		180

G.1.29.5 Programme: Forensic Practice

Qualification code: 113 109

This structured programme is 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.

Completion of this qualification allows students access for admission to doctoral study in social work.

Closing date for applications is 30 September.

G.1.29.6 Faculty specific rules and requirements of the programme

- a) A four year Bachelor's degree in Social Work is required.
- b) Candidates must have achieved an average of 65% in the Bachelor's degree in Social Work.

- c) Completion of an academic literacy test and/or psychometric test will be required.
- d) Each applicant will be subjected to a selection interview conducted by a postgraduate panel of the subject group. For this purpose a structured interview schedule will be used and the average of panellist's ratings will serve as selection criterion.

G.1.29.6.1 Curriculum G801P: Forensic Practice

G.1.29.6.1.1 Curriculum outcomes

At completion of the curriculum students must be able to:

- a) manage and complete 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 guidance process;
- b) apply his/her knowledge of applicable legislation correctly and to act ethically and appropriately as an expert witness 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.1.29.6.1.2 Compilation of the curriculum: Forensic Practice

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

Module code	Descriptive name	Credits
MWKF873	Mini-dissertation: Forensic Practise (Semesters 1 and 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 and 2)	32
Total credits for the curriculum		188

G.1.29.7 Programmes phasing out due to programme alignment:

G.1.29.7.1 Programme: Social Work: 113 104 – G801P

No new students admitted to this programme in 2017.

New students register for the Master of Social Work, in the curriculum Social Work (8CS N01 – G801P).

G.1.29.7.2 Programme: Play Therapy: 113 110 – G801P

This programme phased out entirely and is only open for current students who are finalising their studies.

G.1.30 RULES FOR THE DEGREE MASTER OF NURSING SCIENCE

Research and training with the aim of obtaining this qualification in the Faculty of Health Sciences are structured in the School of Nursing Sciences and the research focus area INSINQ (Quality in Nursing and Midwifery).

Research and training in the various programmes indicated below take place under the guidance of the Director of the research focus area INSINQ (Quality in Nursing and Midwifery), whilst lectured modules are managed by the School of Nursing Sciences and the staff of the different subject groups.

The research that is required for this qualification could be done within the research entity.

The degree can be conducted on a fulltime and part time basis.

G.1.30.1 Duration (minimum and maximum)

The minimum duration for the study is one year and the maximum duration two years, calculated from the date of first registration for the particular programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Although a maximum study period of two years is granted by the faculty, students who apply for an additional third study year according to the Academic rules of the University, must note that it will have financial implications for them.

G.1.30.2 Admission requirements of the qualification

- a) A student registering for this degree should have a Bachelor's degree in Nursing Science or equivalent qualification¹;

¹An equivalent qualification may include the following: A four-year diploma in Nursing Science that leads to registration as a nurse (General, Psychiatric, and Community) and Midwife and an advanced university diploma, e.g. in Health Science Education or Health Service Management.

- b) Students, who want to practise as a nurse in South Africa, should provide proof of registration as a nurse at the South African Nursing Council².

²If 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: It may be expected from the student to subject his/her qualifications for evaluation to the South African Qualification Authority (SAQA).

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.1.30.3 Outcomes of the qualification

Students have mastered the outcomes of the qualification if they are able to demonstrate:

- specialist knowledge to enable engagement with and critique of current research or practices as well as focused research in the fields of community and professional nursing;
- the ability to evaluate current processes of knowledge production and to choose an appropriate process of enquiry for the area of study or practice;
- a command of and ability to design, select and apply appropriate and creative research methods, techniques, processes or technologies to research problems in the fields of professional and community nursing;
- an ability to use a range of research skills in identifying, conceptualising, designing and implementing methods of enquiry to address complex and challenging problems in the fields of professional and community nursing;
- an ability to make autonomous ethical decisions which affect research, and an ability to critically contribute to the development of ethical standards in the context of community nursing;
- an ability to design and implement a strategy for the processing and management of information, in order to conduct a comprehensive review of leading and current research in community nursing to produce significant insights;
- an ability to use the resources of academic and professional or occupational discourses to communicate and defend substantial ideas that are the products of research or development in professional and community nursing; and use a range of advanced and specialised skills and discourses appropriate to a field, discipline or practice, to communicate to a range of audiences with different levels of knowledge or expertise;
- an ability to develop his or her own learning strategies which sustain independent learning and academic or professional development, and can interact effectively within the learning or professional group as a means of enhancing learning;
- and an ability to operate independently and take full responsibility for his or her own work, and, where appropriate, to account for leading and initiating processes and implementing systems, ensuring good resource management and governance practices.

G.1.30.4 Programme: Nursing Science (Research programme)

Qualification Code: 8CJ N01

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 leader, he/she should be able to practise professional,

comprehensive, high-quality; scientifically founded nursing this health care should be able to supply the needs of the time, the province, the country and the person. Health care at this level is characterized /driven by service delivery, involvement in policy development. The masters prepared professional demonstrates leadership, continues professional development and lifelong learning. He/she role models scholarship in health and mentors others.

Closing date for applications is 30 September.

G.1.30.4.1 Faculty specific rules and requirements of the programme

- a) General Admission requirements of the qualification holds.
- b) To be admitted to this programme, a student should have obtained at least 60% in the research methodology module of the B degree or equivalent qualification;
- c) The selection process will take place from the 1st of October. The director of INSINQ and experts of the particular study field/programme will select candidates based on documents presented with application, an essay for evaluation of the candidate's writing and arguing skills and other procedures as necessary;
- d) Successful completion of Research Methodology (VPKN874) with at least 60% and presentation of an acceptable research proposal are required to progress to the second study year. Studies of students who do not comply with the criteria may be terminated.

G.1.30.4.2 Curriculum G801P: Nursing Science

G.1.30.4.2.1 Compilation of the curriculum: Nursing Science

Qualification- and programme code: 8CJ N01; Curriculum code: G801P

Module code	Descriptive name	Credits
VPKN874	Research methodology	32
VPVV872	Dissertation: Nursing	148
Total credits for the curriculum		180

G.1.30.5 Programme: Psychiatric Community Nursing (Structured programme)

Qualification code: 833 100

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, researcher and independent practitioner together with other multi-disciplinary team members within the health care system. As a leader, he/she should be able to conduct research and 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.

Closing date for applications is 30 September.

G.1.30.5.1 Faculty specific rules and requirements of the programme

- a) General Admission requirements of the qualification holds.
- b) 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.
- c) The candidate should have obtained at least 60% in the final module of psychiatric nursing science in the Bachelor's degree or equivalent.
- d) Successful completion of Research Methodology (VPKN874) with at least 60% and presentation of an acceptable research proposal are required to progress to the second study year. Studies of students who do not comply with the criteria may be terminated.
- e) Apart from the mentioned academic selection, the candidate will also undergo a further selection process which takes place from the 1st of November.

G.1.30.5.2 Curriculum G834P: Psychiatric Community Nursing

G.1.30.5.2.1 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:

- Conduct research,
- facilitate the promotion, maintenance and restoring of mental health;
- demonstrate critical-analytical, problem-solving mental skills, as well as apply ethical principles in the nursing practice;
- integrate professional and personal values and norms in ethical-legal practising of Psychiatric Community Nursing;
- gather, analyse and evaluate mental health information critically;
- show awareness regarding the importance of effective learning strategies, responsible citizenship, culture sensitivity, teaching, occupational matters and entrepreneurial capabilities in Psychiatric Community Nursing;
- organise and manage effectively himself/herself and activities in Mental Health;
- facilitate psychiatric health care as a specialist researcher, practitioner, leader therapist, consultant and companion;
- 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;
- 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;
- apply advanced scientific principles regarding Psychiatric Community – Nursing;

- act as a health service facilitator to render quality Psychiatric Community Nursing;
- utilise and bring about reference sources or mobilise them by means of the development of networks;
- create and/or use teaching opportunities to facilitate and optimise mental health;
- contribute significantly to the formulation of mental health policies in Nursing;
- maintain professional excellence and capability by continual learning; and
- Use science and technology effectively and critically, showing responsibility regarding the environment and the health of others.

G.1.30.5.2.2 Compilation of the curriculum: Psychiatric Community Nursing

Qualification- and programme code: 833 100; Curriculum code: G834P

Module code	Descriptive name	Credits
VPEK874	Clinical Psychiatric Nursing	32
VPEK875	Psychiatric Nursing Skills and Methods	32
VPEK876	Psychiatric Nursing Practice, Leadership and Consultation	32
VPEP884	Psychiatric Community Nursing Practice	48
VPES873	Mini-dissertation: Psychiatric Community Nursing	112
VPKN874	Research Methodology	32
Total credits for the curriculum		288

G.1.30.6 Programme: Midwifery and Neonatal Nursing (Structured programme)

Qualification code: 833 100

G.1.30.6.1 Faculty specific rules and requirements of the programme

- General Admission requirements of the qualification holds.
- 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.
- The South African Nursing Council require two years of experience after completing the basic qualification as midwife (excluding community service) of which at least one year must be in the specialist are (maternity unit) before starting with the additional qualification;
- The candidate should have obtained at least 60% in the final modules of Midwifery in the Bachelor's degree or equivalent;
- Employed candidates should arrange for study leave of 1 year to be able to complete the required clinical learning at an accredited clinical facility;
- Successful completion of Research Methodology (VPKN874) with at least 60% and presentation of an acceptable research proposal are required to progress to the second study year. Studies of students who do not comply with the criteria may be terminated.

G.1.30.6.2 Curriculum G835P: Midwifery and Neonatal Nursing

Prospective students will be subject to a selection process and availability of capacity in the subject field.

G.1.30.6.2.1 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:

- facilitate the promotion, maintenance and restoring of the health of the mother and child;
- demonstrate critical-analytical, problem-solving mental skills, as well as apply ethical principles during the practise of Midwifery and Neonatal Nursing;
- integrate professional and personal values and norms in the ethical-legal practising of Midwifery and Neonatal Nursing;
- analyse, organise and evaluate health information regarding the mother and child critically;
- show awareness regarding the importance of effective learning strategies, responsible citizenship, culture sensitivity, teaching, occupational matters and entrepreneurial capabilities in Midwifery and Neonatological Nursing;
- organise and manage herself/himself and activities effectively in mother and child care;
- facilitate Midwifery and Neonatal Health care as a specialist practitioner, leader, researcher and consultant;
- 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;
- 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;
- act as a health care facilitator for rendering quality Midwifery and Neonatal Nursing;
- create and/or use teaching opportunities to facilitate and optimise the health of the mother and child;
- develop and implement standards for quality assurance;
- bring about, utilise and mobilise reference sources for the development of networks;
- facilitate personal and professional development;
- contribute significantly to the formulation of policies regarding the mother and child, as well as the development of Midwifery and Neonatal Nursing;
- maintain professional excellence and capability by continual learning; and

- Use science and technology effectively and critically, showing responsibility regarding the environment and the health of others.

G.1.30.6.2.2 Compilation of the curriculum: Midwifery and Neonatal Nursing

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

Module code	Descriptive name	Credits
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 Practice	48
VPVS873	Mini-dissertation: Midwifery and Neonatal Nursing Science	112
Total credits for the curriculum		256

G.1.30.7 Programmes phasing out due to programme alignment:

G.1.30.7.1 Programme: Community Nursing Science: 833 100 – G830P

No new students admitted to this programme in 2017.

New students register for the Master of Nursing Science in Nursing Science (8CJ N01 – G801P).

G.1.30.7.2 Programme: Health Service Management: 833 100 – G831P

No new students admitted to this programme in 2017.

New students register for the Master of Nursing Science in Nursing Science (8CJ N01 – G801P).

G.1.30.7.3 Programme: Health Science Education: 833 100 – G832P

No new students admitted to this programme in 2017.

New students register for the Master of Nursing Science in Nursing Science (8CJ N01 – G801P).

G.1.30.7.4 Programme: Professional Nursing: 833 100 – G833P

No new students admitted to this programme in 2017

New students register for the Master of Nursing Science in Nursing Science (8CJ N01 – G801P).

G.1.30.7.5 Programme: Nursing: 833 100 – G836P

No new students admitted to this programme in 2017.

New students register for the Master of Nursing Science in Nursing Science (8CJ N01 – G801P).

G.1.31 RULES FOR THE DEGREE DOCTOR OF PHILOSOPHY

G.1.31.1 Duration (minimum and maximum)

The minimum duration for the study is two year and the maximum duration three years, calculated from the date of first registration for the particular programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Although a maximum study period of two years is granted by the faculty, students who apply for an additional third study year according to the Academic rules of the University, must note that it will have financial implications for them.

G.1.31.2 Admission requirements of the qualification

A Master's degree or equivalent qualification as approved by Senate is essential for admission to a doctoral degree.

G.1.31.3 Programmes phasing out due to programme alignment:

G.1.31.3.1 Programme: Human Movement Sciences: 805 109 – G925P

No new students admitted to this programme in 2017.

New students register for the Doctor of Philosophy in Health Sciences (8CB R05 – G901P).

G.1.31.3.2 Programme: Recreation Sciences: 805 111 – G935P

No new students admitted to this programme in 2017.

New students register for the Doctor of Philosophy in Health Sciences (8CB R11 – G901P).

G.1.31.3.3 Programme: Pharmaceutical Chemistry: 805 116 – G910P

No new students admitted to this programme in 2017.

New students register for the Doctor of Philosophy in Pharmacy (8CC R01 – G901P).

G.1.31.3.4 Programme: Pharmaceutics: 805 117 – G911P

No new students admitted to this programme in 2017.

New students register for the Doctor of Philosophy in Pharmacy (8CC R02 – G901P).

G.1.31.3.5 Programme: Pharmacology: 805 118 – G912P

No new students admitted to this programme in 2017.

New students register for the Doctor of Philosophy in Pharmacy (8CC R03 – G901P).

G.1.31.3.6 Programme: Pharmacy Practice: 805 119 – G913P

No new students admitted to this programme in 2017.

New students register for the Doctor of Philosophy in Pharmacy (8CC R04 – G901P).

G.1.31.3.7 Programme: Occupational Hygiene: 805 104 Curriculum G901P

No new students admitted to this programme in 2017.

New students register for the Doctor of Philosophy in Health Sciences (8CB R08 – G901P).

G.1.31.3.8 Programme: Dietetics: Qualification code 805 105 – G905P

No new students admitted to this programme in 2017.

New students register for the Doctor of Philosophy in Science (8CD R01 – G901P).

G.1.31.3.9 Programme: Physiology: 805 107 – G915P

No new students admitted to this programme in 2017.

New students register for the Doctor of Philosophy in Health Sciences (8CD R03 – G901P).

G.1.31.3.10 Programme: Consumer Sciences: 805 112 – G940P

No new students admitted to this programme in 2017.

New students register for the Doctor of Philosophy in Consumer Sciences (8CA R01 – G901P).

G.1.31.3.11 Programme: Nutrition: 805 114 – G960P

No new students admitted to this programme in 2017.

New students register for the Doctor of Philosophy in Science (8CD R02 – G901P).

G.1.31.3.12 Programme: Social Work: 805 108 – G921P

No new students admitted to this programme in 2017.

New students register for the Doctor of Philosophy in Social Work (8CE R01 – G901P).

G.1.31.3.13 Programme: Psychology 805 110 – G931P

No new students admitted to this programme in 2017.

New students register for the Doctor of Philosophy in Health Sciences (8CD R03 – G901P).

G.1.31.3.14 Programme: Community Nursing Science: 805 113 – G950P

No new students admitted to this programme in 2017.

New students register for the Doctor of Philosophy in Health Sciences (8CB R07 – G901P).

G.1.31.3.15 Programme: Health Service Management: 805 113 – G951P

No new students admitted to this programme in 2017.

New students register for the Doctor of Philosophy in Health Sciences (8CB R07 – G901P).

G.1.31.3.16 Programme: Professional Nursing: 805 113 – G953P

No new students admitted to this programme in 2017.

New students register for the Doctor of Philosophy in Health Sciences (8CB R07 – G901P).

G.1.31.3.17 Programme: Psychiatric Nursing Science: 805 113 – G954P

No new students admitted to this programme in 2017.

New students register for the Doctor of Philosophy in Health Sciences (8CB R07 – G901P).

G.1.31.3.18 Programme: Midwifery & Neonatal Nursing Science: 805 113 – G955P

No new students admitted to this programme in 2017.

New students register for the Doctor of Philosophy in Health Sciences (8CB R07 – G901P).

G.1.32 RULES FOR THE DEGREE DOCTOR OF PHILOSOPHY IN CONSUMER SCIENCES (PhD)

G.1.32.1 Duration (minimum and maximum)

The minimum duration for the study is two year and the maximum duration three years, calculated from the date of first registration for the particular programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Although a maximum study period of two years is granted by the faculty, students who apply for an additional third study year according to the Academic rules of the University, must note that it will have financial implications for them.

G.1.32.2 Admission requirements of the qualification

A Master's degree or equivalent qualification as approved by Senate is essential for admission to a doctoral degree.

G.1.32.3 Outcomes of the qualification

The achievement of this qualification means that the PhD graduate is able to demonstrate the achievement of the following specific and critical cross-field outcomes:

Specific outcomes:

- a) Demonstrate a depth of knowledge and high levels of theoretical understanding in a complex and specialised area of Consumer Sciences.
- b) Demonstrate intellectual independence and advanced research skills through the ability to apply sophisticated knowledge and research methodologies for the solution of complex, unfamiliar problems in a specific field of Consumer Sciences and the competence to integrate

and apply theoretical knowledge and research findings within relevant local and global contexts as well as across disciplines.

- c) Deal with complexity, lacunae and contradictions in the knowledge base of Consumer Sciences.
- d) Autonomously generate, synthesize and evaluate information and concepts at highly abstract levels and make sound evaluations on the basis of independently generated criteria.
- e) Question existing knowledge boundaries and practices in Consumer Sciences and create responses to problems that expand or redefine existing knowledge.
- f) Show mastery of the literature and state of research in a specific area.
- g) Demonstrate research leadership within a field or across disciplines, including the ability to plan, resource, manage and optimise all aspects of research processes engaged in, within complex and unpredictable contexts.
- h) Demonstrate high levels of responsibility, self-reflexivity and adaptability, with respect to the ethical implications of research, the determination of socially relevant issues and research needs in South Africa, and the ability to relate these issues to international contexts.

Critical cross-field outcomes for this qualification include but are not limited to the following competencies:

- i) identifying and solving problems in which responses display that responsible decisions using critical and creative thinking have been made;
- j) working in a disciplinary and/or inter-disciplinary manner as a member of a team, group, organisation or community in both the public and private sectors;
- k) demonstrating an understanding of the interaction between systems from an ecological perspective by understanding social needs, problems and resource capacity within an international, national and local context;
- l) demonstrating the effective utilisation of technology for strategies aimed at the development of Consumer Sciences as well as Science in general;
- m) effectively managing and planning a learning programme that provides for a schedule of activities including reading scientific journals in the field, becoming a member of scholarly societies and professional bodies, attending seminars and conferences, doing research and rendering voluntary services to facilitate professional growth and development;
- n) developing a comprehensive and systematic report on a research project in the format of a doctoral thesis, and the competence to write research articles suitable for publication in refereed journals and/or other scientific reports.

- o) communicating effectively with people of all target groups, using visual, language and mathematical skills, in the modes of oral and/or written persuasion.

G.1.32.4 Programme: Consumer Sciences

Qualification code: 8CA R01

The PhD degree comprises the planning and execution of a research project and the writing of a thesis. The student can focus on a consumer behaviour project within the research focus of the group and study fulltime or part time.

The closing date for applications is 30 September. (After this date applications will be considered on merit). Studies can be completed on a fulltime or part time basis.

G.1.32.4.1 Faculty specific rules and requirements of the programme

- a) An applicable master's degree or a qualification which the Senate considers equivalent is required.
- b) Admission is based on academic performance during previous studies and experience.
- c) Modules in consumer behaviour and research methodology are compulsory for admission to the programme.
- d) Students who do not comply with the admission requirements may be allowed to write an admission examination in consumer behaviour and research methodology, which must be passed before final selection will be considered.
- e) The selection process, starting 1 October, consists of a paper selection, based on admission requirements and available capacity. Students will only be admitted to the programme if sufficient capacity is available.
- f) To be taken into consideration for selection, the student must submit a written application to the university. The written application is evaluated during the first paper selection process of the research entity based on admission requirements and available capacity (A). Prospective students will preferably join existing research projects, as determined by the research entity.
- g) All applicants, meeting the requirements of the first paper selection process (B), will hand in a written assignment on a research topic that is provided, which is not necessarily the topic that the student if accepted will work on for his/her research project. A CV of the applicant should accompany this assignment.
- h) Applicants who are successful during the second paper selection procedure I will be invited for a selection interview as a final selection procedure.
- i) Prospective students will preferably join existing research projects as determined by the research entity.

G.1.32.4.2 Curriculum G901P: 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.1.32.4.2.1 Compilation of the curriculum: Consumer Sciences

Qualification- and programme code: 8CA R01; Curriculum code: G901P

Module code	Descriptive name	Credits
VERB971	Thesis: Consumer Sciences	360
Total credits for the curriculum		360

G.1.33 RULES FOR THE DEGREE DOCTOR OF PHILOSOPHY IN HEALTH SCIENCES (PhD)

G.1.33.1 Duration (minimum and maximum)

The minimum duration for the study is two year and the maximum duration three years, calculated from the date of first registration for the particular programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Although a maximum study period of two years is granted by the faculty, students who apply for an additional third study year according to the Academic rules of the University, must note that it will have financial implications for them.

G.1.33.2 Admission requirements of the qualification

A Master's degree or equivalent qualification as approved by Senate is essential for admission to a doctoral degree.

G.1.33.3 Outcomes of the qualification

The achievement of this qualification means that the PhD graduate is able to demonstrate the achievement of the following specific and critical cross-field outcomes:

Specific outcomes:

- Demonstrate a depth of knowledge and high levels of theoretical understanding in a complex and specialised area of the Health Sciences.
- Demonstrate intellectual independence and advanced research skills through the ability to apply sophisticated knowledge and research methodologies for the solution of complex, unfamiliar problems in a specific field of the Health Sciences and the competence to integrate and apply theoretical knowledge and research findings within relevant local and global contexts as well as across disciplines.
- Deal with complexity, lacunae and contradictions in the knowledge base of the Health Sciences.

- d) Autonomously generate, synthesise and evaluate information and concepts at highly abstract levels and make sound evaluations on the basis of independently generated criteria.
- e) Question existing knowledge boundaries and practices in the Health Sciences and create responses to problems that expand or redefine existing knowledge.
- f) Show mastery of the literature and state of research in a specific area.
- g) Demonstrate research leadership within a field or across disciplines, including the ability to plan, resource, manage and optimise all aspects of research processes engaged in, within complex and unpredictable contexts.
- h) Demonstrate high levels of responsibility, self-reflexivity and adaptability, with respect to the ethical implications of research, the determination of socially relevant issues and research needs in South Africa, and the ability to relate these issues to international contexts.

Critical cross-field outcomes for this qualification include but are not limited to the following competencies:

- i) identifying and solving problems in which responses display that responsible decisions using critical and creative thinking have been made;
- j) working in a disciplinary and/or inter-disciplinary manner as a member of a team, group, organisation or community in both the public and private sectors;
- k) demonstrating an understanding of the interaction between systems from an ecological perspective by understanding social needs, problems and resource capacity within an international, national and local context;
- l) demonstrating the effective utilisation of technology for strategies aimed at the development of the Health Sciences as well as Science in general;
- m) effectively managing and planning a learning programme that provides for a schedule of activities including reading scientific journals in the field, becoming a member of scholarly societies and professional bodies, attending seminars and conferences, doing research and rendering voluntary services to facilitate professional growth and development;
- n) developing a comprehensive and systematic report on a research project in the format of a doctoral thesis, and the competence to write research articles suitable for publication in refereed journals and/or other scientific reports.
- o) communicating effectively with people of all target groups, using visual, language and mathematical skills, in the modes of oral and/or written persuasion.

G.1.33.4 Programme: Human Movement Science**Qualification code: 8CB R05**

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.

Applications should be submitted by 11th September. (After this date applications will be considered on merit). Students can study fulltime or part time.

G.1.33.4.1 Faculty specific rules and requirements of the programme e

- a) A Master's degree or equivalent qualification as approved by Senate is required;
- b) The student should pass the master's degree with an average of at least 60%;
- c) Admission is subject to approval by the school – and research director;
- d) A selection process by an internal selection panel takes place during October to November.

G.1.33.4.2 Curriculum G901P: Human Movement Science**G.1.33.4.2.1 Compilation of the curriculum: Human Movement Science**

Qualification- and programme code: 8CB R05; Curriculum code: G901P

Module code	Descriptive name	Credits
MBWK971	Thesis: Human Movement Science	360
Total credits for the curriculum		360

G.1.33.5 Programme: Recreation Science**Qualification code: 8CB R11**

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.

Applications should be submitted by 11 September. (After this date applications will be considered on merit). Students can study fulltime or part time.

G.1.33.5.1 Faculty specific rules and requirements of the programme

- a) A Master's degree or equivalent qualification as approved by Senate is required;
- b) The student should pass the Master's degree with an average mark of at least 60%;
- c) Admission is subject to approval by the school – and research director;
- d) A selection process by an internal selection panel takes place during October to November.

G.1.33.5.2 Curriculum G901P: Recreation Science**G.1.33.5.2.1 Compilation of the curriculum: Recreation Science****Qualification- and programme code: 8CB R11; Curriculum code: G901P**

Module code	Descriptive name	Credits
RKKX971	Thesis: Recreation Sciences	360
Total credits for the curriculum		360

G.1.33.6 Programme: Occupational Hygiene**Qualification code: 8CB R08**

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.

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.

The general closing date for applications is 30 September. (After this date applications will be considered on merit). The programme can be done on a fulltime or part time basis.

G.1.33.6.1 Faculty specific rules and requirements of the programme

- Admission to this programme can be granted after completion of a master's degree in Occupational Hygiene (or equivalent qualification) at master's level;
- At least 60% average in the master's degree is required;
- Selection according to specified admission requirements is done by the research director and senior researchers and is subject to available capacity.

G.1.33.6.2 Curriculum G901P: Occupational Hygiene**G.1.33.6.2.1 Compilation of the curriculum: Occupational Hygiene****Qualification- and programme code: 8CB R08; Curriculum code: G901P**

Module code	Descriptive name	Credits
BHIG971	Thesis: Occupational Hygiene	360
Total credits for the curriculum		360

G.1.33.7 Programme: Psychology**Qualification code: 8CB R10**

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.

The general closing date for applications is 30 September. (After this date applications will be considered on merit). Studies can be done on a fulltime or part time basis.

G.1.33.7.1 Faculty specific rules and requirements of the programme

- a) A master's degree in Psychology is required. Students must have achieved at least 60% in the master's degree;
- b) Recognition will be given to additional experience and expertise;
- c) Provisional admission is granted after completion of a selection process but is subject to a suitable qualification, academic performance as well as a suitable research concept within the research focus and projects in the subject group;
- d) Selected students who are provisionally admitted must submit a research protocol within the prescribed timeframe, which will be evaluated by a specialist panel;
- e) Final admission and approval is subject to the submission of a successful research protocol as well as available capacity in the subject group;
- f) Candidates may be requested to attend additional workshops to improve their research skills.

G.1.33.7.2 Curriculum G901P: Psychology

G.1.33.7.2.1 Compilation of the curriculum: Psychology

Qualification- and programme code: 8CB R10; Curriculum code: G901P

Module code	Descriptive name	Credits
PSYC971	Thesis: Psychology	360
Total credits for the curriculum		360

G.1.33.8 Programme: Nursing Science

Qualification code: 8CB R07

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.

The general closing date for applications is 31 October. (After this date applications will be considered on merit). Studies can be conducted on a fulltime or part time basis.

G.1.33.8.1 Faculty specific rules and requirements of the programme

- a) Students will only be admitted to the PhD degree if they are in possession of a suitable master's degree or a qualification which the Senate considers equivalent.
- b) The candidate must have achieved at least 65% in the master's degree.

- c) A pre-doctoral study programme must be completed successfully (details are available from the research director)
- d) After presenting the research proposal to the Research Committee, the student should defend it during a doctoral seminar; and present the findings during the doctoral seminar.
- e) An application for selection must be handed in before the selection process starts on 1 November.

G.1.33.8.2 Curriculum G901P: Nursing Science

G.1.33.8.2.1 Compilation of the curriculum: Nursing Science

Qualification- and programme code: 8CB R07; Curriculum code: G901P

Module code	Descriptive name	Credits
VPVV971	Thesis: Nursing Science	360
Total credits for the curriculum		360

G.1.34 RULES FOR THE DEGREE DOCTOR OF PHILOSOPHY IN PHARMACY (PhD)

G.1.34.1 Duration (minimum and maximum)

The minimum duration for the study is two year and the maximum duration three years, calculated from the date of first registration for the particular programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Although a maximum study period of two years is granted by the faculty, students who apply for an additional third study year according to the Academic rules of the University, must note that it will have financial implications for them.

G.1.34.2 Admission requirements of the qualification

A Master's degree or equivalent qualification as approved by Senate is essential for admission to a doctoral degree.

G.1.34.3 Outcomes of the qualification

The achievement of this qualification means that the PhD graduate is able to demonstrate the achievement of the following specific and critical cross-field outcomes:

Specific outcomes:

- a) Demonstrate a depth of knowledge and high levels of theoretical understanding in a complex and specialised area of the field of Pharmacy.
- b) Demonstrate intellectual independence and advanced research skills through the ability to apply sophisticated knowledge and research methodologies for the solution of complex, unfamiliar problems in a specific field of Pharmacy and the competence to integrate and apply theoretical knowledge and research findings within relevant local and global contexts as well as across disciplines.

- c) Deal with complexity, lacunae and contradictions in the knowledge base of the Pharmacy field.
- d) Autonomously generate, synthesize and evaluate information and concepts at highly abstract levels and make sound evaluations on the basis of independently generated criteria.
- e) Question existing knowledge boundaries and practices in the Pharmacy field and create responses to problems that expand or redefine existing knowledge.
- f) Show mastery of the literature and state of research in a specific area. • Demonstrate research leadership within a field or across disciplines, including the ability to plan, resource, manage and optimise all aspects of research processes engaged in, within complex and unpredictable contexts.
- g) Demonstrate high levels of responsibility, self-reflexivity and adaptability, with respect to the ethical implications of research, the determination of socially relevant issues and research needs in South Africa, and the ability to relate these issues to international contexts.

Critical cross-field outcomes: Critical cross-field outcomes for this qualification include but are not limited to the following competencies:

- h) identifying and solving problems in which responses display that responsible decisions using critical and creative thinking have been made;
- i) working in a disciplinary and/or inter-disciplinary manner as a member of a team, group, organisation or community in both the public and private sectors;
- j) demonstrating an understanding of the interaction between systems from an ecological perspective by understanding social needs, problems and resource capacity within an international, national and local context;
- k) demonstrating the effective utilisation of technology for strategies aimed at the development of the Pharmacy field as well as Science in general;
- l) effectively managing and planning a learning programme that provides for a schedule of activities including reading scientific journals in the field, becoming a member of scholarly societies and professional bodies, attending seminars and conferences, doing research and rendering voluntary services to facilitate professional growth and development;
- m) developing a comprehensive and systematic report on a research project in the format of a doctoral thesis, and the competence to write research articles suitable for publication in refereed journals and/or other scientific reports.
- n) communicating effectively with people of all target groups, using visual, language and mathematical skills, in the modes of oral and/or written persuasion.

G.1.34.4 Programme: Pharmaceutical Chemistry

Qualification code: 8CC R01

The PhD degree is a research-based degree and consists of a study (research project) and a thesis in one of the following curriculum: Pharmaceutical Chemistry.

The curriculum is presented on a fulltime basis in Afrikaans and English.

The general closing date for applications is 31 October. (After this date applications will be considered on merit).

G.1.34.4.1 Faculty specific rules and requirements of the programme

- a) A Master's degree or equivalent qualification as approved by Senate is required in the particular field of specialization.
- b) Selection involves the submission of a formal application form, an internal selection form and curriculum vitae by the applicant as well as a possible interview by the sub-programme leader and researchers.
- c) Admission may be refused 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 program/curriculum.
- d) In the case where a student wish to present a thesis in the form of research articles, the stipulations of the General Rules hold.

G.1.34.4.2 Curriculum G901P: Pharmaceutical Chemistry

This curriculum has a dual aim, namely:

- 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
- 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.1.34.4.2.1 Compilation of the curriculum: Pharmaceutical Chemistry

Qualification- and programme code: 8CC R01; Curriculum code: G901P

Module code	Descriptive name	Credits
FCHG971	Thesis: Pharmaceutical Chemistry	360
Total credits for the curriculum		360

G.1.34.5 Programme: Pharmaceutics
Qualification code: 8CC R02

The PhD degree is a research-based degree and consists of a study (research project) and a thesis in Pharmaceutics.

The curriculum is presented on a fulltime basis in Afrikaans and English.

The general closing date for applications is 31 October. (After this date applications will be considered on merit)

G.1.34.5.1 Faculty specific rules and requirements of the programme

- a) A master's degree or equivalent qualification as approved by Senate is required in the particular field of specialization.
- b) Selection involves the submission of a formal application form, an internal selection form and curriculum vitae by the applicant as well as a possible interview by the sub-programme leader and researchers.
- c) Admission may be refused 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 program/curriculum.
- d) In the case where a student wish to present a thesis in the form of research articles, the stipulations of the General Rules hold.

G.1.34.5.2 Curriculum G901P: Pharmaceutics

This curriculum has a dual aim, namely:

- 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
- 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.1.34.5.2.1 Compilation of the curriculum: Pharmaceutics

Qualification- and programme code: 8CC R02; Curriculum code: G901P

Module code	Descriptive name	Credits
FMSG971	Thesis: Pharmaceutics	360
Total credits for the curriculum		360

G.1.34.6 Programme: Pharmacology**Qualification code: 8CC R03**

The PhD degree is a research-based degree and consists of a study (research project) and a thesis in Pharmacology.

The curriculum is presented on a fulltime basis in Afrikaans and English.

The general closing date for applications is 31 October. (After this date applications will be considered on merit).

G.1.34.6.1 Faculty specific rules and requirements of the programme

- a) A Master's degree or equivalent qualification as approved by Senate is required in the particular field of specialization.
- b) Selection involves the submission of a formal application form, an internal selection form and curriculum vitae by the applicant as well as a possible interview by the sub-programme leader and researchers.
- c) Admission may be refused 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 program/curriculum.
- d) In the case where a student wish to present a thesis in the form of research articles, the stipulations of the General Rules hold.

G.1.34.6.2 Curriculum G901P: Pharmacology

This curriculum has a dual aim, namely:

- 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
- 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.1.34.6.2.1 Compilation of the curriculum: Pharmacology

Qualification- and programme code: 8CC R03; Curriculum code: G901P

Module code	Descriptive name	Credits
FKLG971	Thesis: Pharmacology	360
Total credits for the curriculum		360

G.1.34.7 Programme: Pharmacy Practice

Qualification code: 8CC R04

The PhD degree is a research-based degree and consists of a study (research project) and a thesis in Pharmacy Practice.

The curriculum is presented on a fulltime and part time basis in Afrikaans and English.

The general closing date for applications is 31 October. (After this date applications will be considered on merit).

G.1.34.7.1 Faculty specific rules and requirements of the programme

- a) A M Pharm or equivalent qualification is required;
- b) Admission to the program/curriculum takes place according to selection by the leader and the Quality Assurance Committee of the research niche area. Selection is done on an on-going basis, with consideration of applicable registration dates as determined by the University.
- c) It is recommended that a prospective student must have achieved at least 60% in an applicable master's project.
- d) Practise experience and prior learning will be taken in consideration.
- e) In the case where a student gets permission to present a thesis in the form of research articles, the stipulations of the General Academic Rules of the University hold.

G.1.34.7.2 Curriculum G901P: Pharmacy Practice

This curriculum has a dual aim, namely:

- 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
- 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.1.34.7.2.1 Compilation of the curriculum: Pharmacy Practice

Qualification- and programme code: 8CC R04; Curriculum code: G901P

Module code	Descriptive name	Credits
FPKG971	Thesis: Pharmacy Practice	360
Total credits for the curriculum		360

G.1.35 RULES FOR THE DEGREE DOCTOR OF PHILOSOPHY IN SCIENCE (PHD)

G.1.35.1 Duration (minimum and maximum)

The minimum duration for the study is two year and the maximum duration three years, calculated from the date of first registration for the particular programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Although a maximum study period of two years is granted by the faculty, students who apply for an additional third study year according to the Academic rules of the University, must note that it will have financial implications for them.

G.1.35.2 Admission requirements of the qualification

A Master's degree or equivalent qualification as approved by Senate is essential for admission to a doctoral degree.

G.1.35.3 Outcomes of the qualification

The achievement of this qualification means that the Ph D graduate is able to demonstrate the achievement of the following specific and critical cross-field outcomes:

Specific outcomes:

- a) Demonstrate a depth of knowledge and high levels of theoretical understanding in a complex and specialised area of the Natural Sciences.
- b) Demonstrate intellectual independence and advanced research skills through the ability to apply sophisticated knowledge and research methodologies for the solution of complex, unfamiliar problems in a specific field of the Natural Sciences and the competence to integrate and apply theoretical knowledge and research findings within relevant local and global contexts as well as across disciplines.
- c) Deal with complexity, lacunae and contradictions in the knowledge base of the Natural Sciences.
- d) Autonomously generate, synthesize and evaluate information and concepts at highly abstract levels and make sound evaluations on the basis of independently generated criteria.
- e) Question existing knowledge boundaries and practices in the Natural Sciences and create responses to problems that expand or redefine existing knowledge.
- f) Show mastery of the literature and state of research in a specific area. • Demonstrate research leadership within a field or across disciplines, including the ability to plan, resource, manage and optimise all aspects of research processes engaged in, within complex and unpredictable contexts.
- g) Demonstrate high levels of responsibility, self-reflexivity and adaptability, with respect to the ethical implications of research, the determination of socially relevant issues and research needs in South Africa, and the ability to relate these issues to international contexts.

Critical cross-field outcomes for this qualification include but are not limited to the following competencies:

- h) identifying and solving problems in which responses display that responsible decisions using critical and creative thinking have been made;
- i) working in a disciplinary and/or inter-disciplinary manner as a member of a team, group, organisation or community in both the public and private sectors;
- j) demonstrating an understanding of the interaction between systems from an ecological perspective by understanding social needs, problems and resource capacity within an international, national and local context;
- k) demonstrating the effective utilisation of technology for strategies aimed at the development of the Natural Sciences as well as Science in general;
- l) effectively managing and planning a learning programme that provides for a schedule of activities including reading scientific journals in the field, becoming a member of scholarly societies and professional bodies, attending seminars and conferences, doing research and rendering voluntary services to facilitate professional growth and development;
- m) developing a comprehensive and systematic report on a research project in the format of a doctoral thesis, and the competence to write research articles suitable for publication in refereed journals and/or other scientific reports.
- n) communicating effectively with people of all target groups, using visual, language and mathematical skills, in the modes of oral and/or written persuasion.

G.1.35.4 Programme: Dietetics

Qualification code: 8CD R01

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.

The general closing date for applications is 31 October. (After this date applications will be considered on merit). Studies can be conducted fulltime or part time.

G.1.35.4.1 Faculty specific rules and requirements of the programme

- a) Students will only be admitted to the PhD degree in this programme if they are in possession of a B(Sc) Dietetics degree as well as an MSc degree in Dietetics or Nutrition;
- b) A postgraduate selection committee evaluates applications and candidates who comply with the requirements will be invited for an interview.

- c) Selection is subject to academic performance, practical considerations and available capacity in the subject group.
- d) Students should pass an academic selection (an average of at least 60%) at the completion of the Master's degree.
- e) Students who wish to register for this programme must submit proof of immunisation against Hepatitis A and B during the previous 5 years.

G.1.35.4.2 Curriculum G901P: Dietetics

G.1.35.4.2.1 Compilation of the curriculum: Dietetics

Qualification- and programme code: 8CD R01; Curriculum code: G901P

Module code	Descriptive name	Credits
NUTD971	Thesis: Dietetics	360
Total credits for the curriculum		360

G.1.35.5 Programme: Nutrition

Qualification code: 8CD R02

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.

The general closing date for applications is 31 October. (After this date applications will be considered on merit). Studies can be conducted fulltime or part time.

G.1.35.5.1 Faculty specific rules and requirements of the programme

- a) Students will only be admitted to the PhD degree in this programme if they are in possession of an MSc degree in Nutrition or Dietetics or an equivalent qualification as approved by a postgraduate selection committee;
- b) A postgraduate selection committee evaluates applications and candidates who comply with the requirements will be invited for an interview;
- c) Selection is subject to the academic achievement of the student as well as the available capacity in the subject group;
- d) Students should pass an academic selection (an average of at least 60%) at the completion of the Master's degree;
- e) Students who wish to register for this programme must submit proof of immunisation against Hepatitis A and B during the previous 5 years;
- f) Non-nutrition students who did not complete an MSc Dietetics or MSc Nutrition degree will be required to complete additional Nutrition modules

(non-credit bearing) on an ad hoc basis as determined by the postgraduate selection committee.

G.1.35.5.2 Curriculum G901P: Nutrition

G.1.35.5.2.1 Compilation of the curriculum: Nutrition

Qualification- and programme code: 8CD R02; Curriculum code: G901P

Module code	Descriptive name	Credits
NUTN971	Thesis: Nutrition	360
Total credits for the curriculum		360

G.1.35.6 Programme: Physiology

Qualification code: 8CD R03

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.

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 master ship in Cardiovascular Physiology.

The general closing date for applications is the 31 October. (After this date applications will be considered on merit). Studies can be conducted fulltime or part time.

G.1.35.6.1 Faculty specific rules and requirements of the programme

- Students must be in possession of a suitable MSc degree or a qualification which the Senate considers equivalent;
- Selection is done at the hand of specific admission requirements and considered by the research director and senior researchers in the entity HART, and is subject to available capacity in the research entity;
- The student should achieve at least 65% in Physiology at master's level (or equivalent qualification);
- It is strongly recommended that the student should provide proof of immunisation against Hepatitis A and B.

G.1.35.6.2 Curriculum G901P: Physiology

G.1.35.6.2.1 Compilation of the curriculum: Physiology

Qualification- and programme code: 8CD R03; Curriculum code: G901P

Module code	Descriptive name	Credits
PHYS971	Thesis: Physiology	360
Total credits for the curriculum		360

G.1.36 RULE FOR THE DEGREE DOCTOR OF PHILOSOPHY IN SOCIAL WORK (PhD)

G.1.36.1 Duration (minimum and maximum)

The minimum duration for the study is two year and the maximum duration three years, calculated from the date of first registration for the particular programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Although a maximum study period of two years is granted by the faculty, students who apply for an additional third study year according to the Academic rules of the University, must note that it will have financial implications for them.

G.1.36.2 Admission requirements of the qualification

A Master's degree or equivalent qualification as approved by Senate is essential for admission to a doctoral degree.

G.1.36.3 Outcomes of the qualification

The achievement of this qualification means that the PhD graduate is able to demonstrate the achievement of the following specific and critical cross-field outcomes:

Specific outcomes:

- a) Demonstrate a depth of knowledge and high levels of theoretical understanding in a complex and specialised area of Social Work.
- b) Demonstrate intellectual independence and advanced research skills through the ability to apply sophisticated knowledge and research methodologies for the solution of complex, unfamiliar problems in a specific field of Social Work and the competence to integrate and apply theoretical knowledge and research findings within relevant local and global contexts as well as across disciplines.
- c) Deal with complexity, lacunae and contradictions in the knowledge base of Social Work.
- d) Autonomously generate, synthesize and evaluate information and concepts at highly abstract levels and make sound evaluations on the basis of independently generated criteria.
- e) Question existing knowledge boundaries and practices in Social Work and create responses to problems that expand or redefine existing knowledge.
- f) Show mastery of the literature and state of research in a specific area.
- g) Demonstrate research leadership within a field or across disciplines, including the ability to plan, resource, manage and optimise all aspects of research processes engaged in, within complex and unpredictable contexts.
- h) Demonstrate high levels of responsibility, self-reflexivity and adaptability, with respect to the ethical implications of research, the determination of socially relevant issues and research needs in South Africa, and the ability to relate these issues to international contexts.

Critical cross-field outcomes for this qualification include but are not limited to the following competencies:

- i) identifying and solving problems in which responses display that responsible decisions using critical and creative thinking have been made;
- j) working in a disciplinary and/or inter-disciplinary manner as a member of a team, group, organisation or community in both the public and private sectors;
- k) demonstrating an understanding of the interaction between systems from an ecological perspective by understanding social needs, problems and resource capacity within an international, national and local context;
- l) demonstrating the effective utilisation of technology for strategies aimed at the development of Economic and Management Sciences and science in general;
- m) effectively managing and planning a learning programme that provides for a schedule of activities including reading scientific journals in the field, becoming a member of scholarly societies and professional bodies, attending seminars and conferences, doing research and rendering voluntary services to facilitate professional growth and development;
- n) developing a comprehensive and systematic report on a research project in the format of a doctoral thesis, and the competence to write research articles suitable for publication in refereed journals and/or other scientific reports.
- o) communicating effectively with people of all target groups, using visual and language skills in the modes of oral and/or written persuasion.

G.1.36.4

Programme: Social Work

Qualification code: 8CE R01

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.

The closing date for applications is 30 September. (After this date applications will be considered on merit). The studies can be conducted fulltime or part time.

G.1.36.4.1

Faculty specific rules and requirements of 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) Completion of an Academic Literacy test or equivalent assessment to demonstrate reading and writing ability, the final scores of which should be above 65%;
- c) Each applicant will be subjected to a selection interview conducted by the post graduate panel of the subject group. For this purpose a structured interview schedule will be used and the average of panellist's ratings will serve as selection criterion.

- d) Submission of an abbreviated research proposal will serve as final selection criterion.
- e) Students registering for this programme/curriculum should supply proof of registration as a social worker according to the Act on Social Service Professions (Act 110 of 1978).
- f) Prospective applicants have to complete and pass a short refresher course in research methods. This course is presented by the post graduate manager of the subject group.

G.1.36.4.2 Curriculum G901P: Social Work

G.1.36.4.2.1 Compilation of the curriculum: Social Work

Qualification- and programme code: 8CE R01; Curriculum code: G901P

Module code	Descriptive name	Credits
MWKN971	Thesis: Social Work	360
Total credits for the curriculum		360

G.1.37 RULES FOR THE POSTGRADUATE DIPLOMA IN MIDWIFERY AND NEONATAL NURSING SCIENCE

Programme will not be presented in 2017

This is a post basic programme and is accessible to SANC registered nurses and midwives.

This programme leads to an additional registration of a qualification in Midwifery and Neonatal Nursing Science and registration at the SANC as an advanced Midwife.

This programme is presented as a part time programme.

G.1.37.1 Duration of study

The minimum duration is one year and the maximum duration is two years.

G.1.37.2 Faculty specific rules and requirements of the programme

- a) A Bachelor's degree in Nursing Science and Midwifery or equivalent qualification;
- b) Current registration at the South African Nursing Council as a nurse and midwife.

G.1.37.3 Programme phasing out due to programme alignment:

G.1.37.3.1 Midwifery and Neonatal Nursing Science: 844100 – G501P

No new students admitted for this programme in 2017.

New students register for the Postgraduate Diploma in Midwifery and Neonatal Nursing Science in 2018. (8DP D01– G801P).

G.1.37.4 Programme: Midwifery and Neonatal Nursing Science

Qualification code: 8DP D01

This qualification will enable you to obtain personal and professional growth in your strive to obtain lifelong learning and advance on your career path. Students can proceed to the research master's degree after completion of this qualification.

G.1.37.4.1 Curriculum G501P: Midwifery and Neonatal Nursing Science

G.1.37.4.1.1 Curriculum 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 advanced midwifery care.

G.1.37.4.1.2 Compilation of the curriculum: Midwifery and Neonatal Nursing Science

Qualification and programme code: 8DP D01: G501P

Module code	Descriptive name	Type of credit	Credits	National hours
NSRT121	Health Science Research	Fundamental	16	160
ADMN511	Specialist Midwife: Practitioner, Leader and Consultant	Core	8	160
ADMN571	Midwife specialist: Maternal care	Core	16	320
ADMN572	The Neonatal Clinician	Core	16	160
ADMN573	Specialist Midwife: Practica	Core	72	640

Fundamental	Core	Elective	Total
32	112	0	128

G.1.38 RULES FOR THE POSTGRADUATE DIPLOMA IN PHARMACOLOGICAL PRINCIPLES OF DRUG THERAPY

Qualification code: 8EC D01 (Distance Learning)

The Postgraduate Diploma in Pharmacological Principles of Drug Therapy is only presented in a distance mode by the Potchefstroom Campus of the North-West University.

The programme/curriculum is only presented in English

G.1.38.1 Duration of study

The minimum duration of the study is one (1) year and the maximum duration is three (3) years.

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.

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 Postgraduate Diploma within a maximum period of three years.

G.1.38.2 Faculty specific rules and requirements of the programme

- a) Admission is allowed only if the degree BSc (Pharm) or B Pharm or MBChB or BChD was obtained or a qualification regarded by the Senate as equivalent to the above-mentioned degrees (including pharmacology at a third year level); and
- b) Students who completed individual modules as certificate courses may apply for recognition of prior learning. A maximum of one third (e.g. 45 credits) of the total number of credits may retain credit towards completion of the Postgraduate Diploma within a maximum period of three years.
- 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
- d) There are two examination opportunities per module, of which the student may utilise one or both. (General Academic Rules regarding examination applies).
- e) 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 11 and a ratio of 2:3 is used for module 12.
- f) A subminimum mark of 40% applies to each assessment for each module, including assignments, moderated group discussion forums, examination papers and oral evaluations. A module mark of at least 50 % must be obtained in each module.
- g) If a student fails to achieve the subminimum of 40% for any assessment or a final module mark of at least 50% in a particular module, the module must be repeated in its entirety. A student may, within the maximum period allowed for the study, repeat a module once in modules not exceeding 25% of the curriculum concerned.

G.1.38.3 Programme: Pharmacological Principles of Drug Therapy

Qualification code: 8EC D01

Continuing professional development is an important and integral part of the South African strategy to improve public services. 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.1.38.3.1 Curriculum G501P: Pharmacological Principles of Drug Therapy

- a) The curriculum consists of 11 modules.
- b) Module 1-8 and 12 are compulsory.
- c) Any two elective modules from modules 9-11 must also be included.
- d) Successful completion of modules 1-8 and any two electives from 9-11 are prerequisites for module 12.
- 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 below.

- f) Basic computer and internet skills as well as free accessibility to appropriate technology are pre-requisites for this programme.

G.1.38.3.1.1 Curriculum outcomes

After completion of the Postgraduate Diploma in Pharmacological Principles of Drug Therapy, the student will demonstrate:

- selection of drugs based on pharmacological and ethical principles in the best interest of the patient.
- a sound knowledge of the basic pharmacological principles underlying drug therapy,
- insight into the dynamics and kinetics of interactions between drugs, including a comprehensive range of drug groups,
- the ability to evaluate existing drug prescriptions, and advise the patient with regard to drug treatment,
- the ability to synthesise individualised pharmacological treatment approaches for a wide range of disease states,
- information gathering skills of the latest information on drug treatment from the Internet,
- ability to evaluate published clinical trials on drug treatment,
- effective communication, individually and co-operatively, in an Internet-based environment,
- a sensitivity for a patient-orientated approach to drug therapy, and
- reason within the frame (work) of reference addressing relevant ethical questions regarding drug uses.

G.1.38.3.1.2 Compilation of the Curriculum: Pharmacological Principles of Drug Therapy

Qualification and programme code: 8EC D01; Curriculum code: G501P

Module code	Descriptive name	Credits
Module 1: FKLT531	Principles of Pharmacokinetics	8
Module 2: FKLT532	Principles of Pharmacodynamics	16
Module 3: FKLT541	Drugs and the Peripheral Nervous System	8
Module 4: FKLT551	Drugs and the Central Nervous System	16
Module 5: FKLT561	Drugs and the Cardiovascular System	16
Module 6: FKLT533	Drugs for Pain, Inflammation, Fever and Airway Diseases	16
Module 7: FKLT542	Chemotherapy of Infections and Infestations	16
Module 8: FKLT552	Hormones, Hominoids and Hormone Antagonists	16
Module 9: FKLT562**	Drugs for GIT and Skin Disorders	8
Module 10: FKLT563**	Vitamins, Haematopoietic and Immunopharmacology	8
Module 11: FKLT564**	Advanced Pharmacological	8

Module code	Descriptive name	Credits
	Principles	
Module 12: FKL571	Integrated Pharmacology	8
Credit total for the curriculum		136

Note: ** Electives: Any two modules can be selected from 9-11.

G.1.39 RULES FOR THE IN POSTGRADUATE DIPLOMA IN COSMETIC PRODUCT FORMULATION

Qualification code: 8DQ D01 (Fulltime/Part time - contact)

The Postgraduate Diploma in Cosmetic Product Formulation is largely presented by the Potchefstroom Campus of the North-West University. Compulsory contact sessions will be scheduled.

The programme/curriculum is only presented in English.

G.1.39.1 Duration of study

- The minimum duration of the study is one (1) year and the maximum duration is two (2) years.

G.1.39.2 Faculty specific rules and requirements of the programme

A student qualifies for acceptance into the Postgraduate Diploma in Cosmetic Product Formulation if he/she has:

- a professional 4 year Bachelor of Pharmacy degree at NQF level 8; or;
- a Bachelor of Science degree with at least one of the following major fields of study completed at NQF level 7: Chemistry, Physics, Biochemistry, Botany, Medical Sciences, Microbiology, Physiology, Zoology; or
- any other cognate qualification that the NWU Senate accepts as equivalent;
- it should be noted that, irrespective of the nature of the entry qualification, Chemistry at least at NQF level 5 is required;
- admission is subject to selection by the Director of the Centre of Excellence for Pharmaceutical Sciences;
- computer literacy and internet access is a necessity. Students must be able to read documents in Adobe PDF and create documents in Microsoft Word.

G.1.39.3 Programme: Cosmetic Product Formulation

Qualification and programme code: 8DQ D01

The purpose of the qualification is to professionally develop candidates already working within the field of Cosmetics Sciences by providing them with relevant and advanced knowledge, skills and competences in the field of product formulation for application in the cosmetic industry. Specifically, the student will obtain professional competence in aspects of product development, formulation and evaluation, to be applied in different practice settings. Successful completion of the qualification will therefore ensure provision of highly skilled professional workers within the field of new product development that has been identified by Government and Industry as an important strategic goal for progress in job creation in this field.

G.1.39.3.1 Curriculum G501P: Postgraduate Diploma in Cosmetic Product Formulation

- a) The curriculum consists of 8 modules.
- b) All modules are compulsory.
- c) Basic computer skills are a pre-requisite for this programme.

G.1.39.3.2 Curriculum outcomes

After completion of the Postgraduate Diploma in Cosmetic Product Formulation, the student will demonstrate:

- integrated and advanced knowledge of, and the ability to select, evaluate and apply, the basic scientific principles relevant within the field of cosmetic sciences;
- demonstrate integrated and advanced knowledge of raw material classifications, their respective mechanism of actions and possible incompatibilities with a view to compile either formulations or products;
- demonstrate advanced and integrated knowledge of the various processes during the development, manufacturing and distribution of cosmetic products that may influence the stability, quality and function of the end product with a view to select suitable manufacturing and packaging options, and to advise on appropriate storing conditions in practice settings;
- the ability to analyse and critically evaluate and interpret new product briefs and advise best formulation and/or delivery systems;
- the ability to understand and critically apply cosmetic regulations, claim substantiation, product testing and methods of evaluation;
- advanced and complete understanding of the cosmetic product development process with a view to successfully implement the process and prepare a product dossier of a formulated cosmetic product.

G.1.39.3.3 Compilation of the Curriculum: Postgraduate Diploma in Cosmetic Product Formulation

Qualification and programme code: 8DQ D01: Curriculum code: G501P

Module code	Descriptive name	Credits
First semester		
PFCP511	Cosmetic science, research, development and manufacturing	40
PFCP512	Formulation of personal care products	8
PFCP513	Formulation of skin care products	16
Total semester 1		64
Second semester		
PFCP521	Formulation of sun care products	16
PFCP522	Formulation of fragrance products	8
PFCP523	Formulating hair care products: shampoos and conditioners	8
PFCP524	Formulating chemical hair care processing products	8
PFCP525	Formulating colour cosmetic products	16
Total semester 2		56
Total credits for curriculum		120

G.1.40 RULES FOR THE ADVANCED UNIVERSITY DIPLOMA IN HEALTH SCIENCE

This is a post-basic qualification and is accessible to health professionals.

If a professional nurse, this qualification leads to further registration of qualifications in Nursing Education and Nursing Management or Community Nursing, or Clinical Nursing Science, Health Assessment, Treatment and Care at the South African Nursing Council.

G.1.40.1 Modules and credits

- a) On each level (first, second, third year of study) the subjects are divided into modules. Each module can be identified by a code 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.

G.1.40.2 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.1.40.3 Recognition of prior learning

- 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.1.40.4 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.

G.1.40.5 Duration of the study

The minimum duration for this diploma is one year and the maximum duration is two years.

G.1.40.6 List of modules

Module code	Descriptive name	Credits	Outcomes based requirements
	<i>Business Management</i>		
BSKT111	Introduction to Psychology in Work Context	16	NONE
BSKT221	Personnel Psychology	16	NONE
	<i>Community Nursing</i>		
NSCT211	Grounding of Community Nursing	16	NONE
NSCT221	Principles of Primary Health Care	16	NONE
NSCT271	Community Nursing: Practica	24	NONE
NSKT211	Pharmacology	16	NONE
	<i>Health Science Dynamics</i>		
NSDT111	Health Science Dynamics	16	NONE
	<i>Health Science Education</i>		
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
	<i>Financial Health Management</i>		
NSFT121	Financial Health Management	16	NONE
	<i>Clinical Nursing Science</i>		
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
	<i>Health Service Management</i>		
NSMT211	Unit/Clinic Management	16	NONE
NSMT221	Human Resources Management	16	NONE
NSMT271	Health Service Management: Practica	16	NONE
	<i>Health Science Research</i>		
NSRT121	Health Science Research	16	NONE
	<i>Public Management and Governance</i>		
OBAD112	Introduction to Public Management	16	NONE

Year modules must be registered in the first semester.

G.1.40.7 Programme: Advanced University Diploma in Health Science (One Year)

- 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.
- It offers professional nurses the opportunity to register with the South African Nursing Council with one additional qualification.

G.1.40.7.1 Programme and qualification code

See different programmes.

G.1.40.7.2 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 to this program, 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 to this program, the student should be a health professional, be:
 - 1) In possession of an applicable diploma/degree in health science.
- d) 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), General Rules is applicable regarding recognition and exemption of only the theory modules, and may be credited on a written request and payment of the applicable fees.

G.1.40.7.3 Community Nursing (One Year)

Qualification and programme code: 837 100; Curriculum G511T (Open distance learning)

G.1.40.7.3.1 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.1.40.7.3.2 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, General Rule 2.3.2 is applicable regarding recognition and exemption of only the theory modules, and may be credited on a written request and payment of the applicable fees.

G.1.40.7.3.3 Additional Rules

- This curriculum is **only** accessible to professional nurses and a student must be qualified in General Nursing Science and Midwifery.
- Students registered for NSCT, must also complete the accompanying practica. Any costs involved must be paid by the student.
- All practica arrangements must be made by the student.
- A maximum of one year extension is allowed for completion of practica.

G.1.40.7.3.4 Compilation of curriculum: Community Nursing (One Year)

Qualification and programme code: 837 100; Curriculum G511T

YEAR 1	
FIRST SEMESTER	
CODE	CR
NSCT211	16
NSCT271	24
NSDT111	16
NSGT111	16
NSMT211	16
Total semester 1	88

YEAR 1	
SECOND SEMESTER	
CODE	CR
NSCT221	16
NSFT121	16
NSGT121	16
NSRT121	16
Total semester 2	64
TOTAL CREDITS FOR THE CURRICULUM	152

NOTE: NSCT271 runs over a year.

G.1.40.7.4 Health Science Education (One Year)

Qualification and programme code: 837 101; Curriculum G512T (Open distance learning)

G.1.40.7.4.1 Curriculum outcomes

The successful candidate should be able to:

- utilise the psychology and philosophy of education in creating a context conducive to learning;
- apply the knowledge and skills of andragogic didactics to facilitate deep holistic lifelong learning;
- participate in curriculum development;
- utilise intra- and interpersonal life skills to facilitate relationships within the personal and professional sphere; and
- partake in health research.

G.1.40.7.4.2 Articulation and exit point

- Students may apply for recognition of credits for modules completed at other universities.
- If a student who completed the AUDHS (one year) wishes to register for the B Cur (Ed- et Adm) degree, General Rule 2.3.2 is applicable regarding recognition and exemption of only the theory modules, and may be credited on a written request and payment of the applicable fees.

G.1.40.7.4.3 Additional Rules

- Students registered for NSET, must complete the accompanying practica. Any costs involved must be paid by the student.
- All practica arrangements must be made by the student.
- A maximum of one year extension is allowed for completion of practica.

**G.1.40.7.4.4 Compilation of Curriculum Health Science Education (One year)
Qualification and programme code: 837 101; Curriculum G512T**

YEAR 1	
FIRST SEMESTER	
CODE	CR
BSKT111	16
NSDT111	16
NSET111	16
NSET211	16
NSET271	16
Total semester 1	80

YEAR 1	
SECOND SEMESTER	
CODE	CR
BSKT221	16
NSET221	16
NSFT121	16
NSRT121	16
Total semester 2	64
TOTAL CREDITS FOR THE CURRICULUM	144

NOTE: NSET271 runs over a year.

G.1.40.7.5 Health Service Management (One Year)

Qualification and programme code: 837 102; Curriculum G513T (Open distance learning)

G.1.40.7.5.1 Curriculum outcomes

The successful candidate should be able to utilise managerial skills in rendering quality health care by the:

- application of risk and financial management principles;
- implementation of information systems;
- management of human resources;
- management of a health service Unit/Clinic; and
- Utilisation of intra- and interpersonal life skills to facilitate relationships within personal and professional sphere.

G.1.40.7.5.2 Articulation and exit point

- Students may apply for recognition of credits for modules completed at other universities.
- If a student who completed the AUDHS (one year) wishes to register for the B Cur (Ed et Adm) degree, General Rule 2.3.2 is applicable regarding recognition and exemption of only the theory modules, and may be credited on a written request and payment of the applicable fees.

G.1.40.7.5.3 Additional Rules

- 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.1.40.7.5.4 Compilation of Curriculum: Health Service Management (One Year)
Qualification and programme code: 837 102; Curriculum G513T

YEAR 1	
FIRST SEMESTER	
CODE	CR
BSKT111	16
NSDT111	16
NSMT211	16
NSMT271	16
OBAD112	16
Total semester 1	80

YEAR 1	
SECOND SEMESTER	
CODE	CR
BSKT221	16
NSFT121	16
NSMT221	16
NSRT121	16
Total semester 2	64
TOTAL CREDITS FOR THE CURRICULUM	144

NOTE: NSMT271 runs over a year.

G.1.40.7.6 Clinical Nursing Science, Health Assessment, Treatment and Care (One Year)

Qualification and programme code: 837 103; Curriculum G515T (Open distance learning)

(This curriculum is offered at selected centres only)

G.1.40.7.6.1 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.1.40.7.6.2 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, General Rule 2.3.2 is applicable regarding recognition and exemption of only the theory modules, and may be credited on a written request and payment of the applicable fees.

G.1.40.7.6.3 Additional Rules

- a) A student must be qualified in General Nursing Science and Midwifery;
- b) Students registered for NSHT, must 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.1.40.7.6.4 Compilation of Curriculum: Clinical Nursing Science, Health Assessment, Treatment and Care (One Year)
Qualification and programme code: 837 103; Curriculum G515T

YEAR 1	
FIRST SEMESTER	
CODE	CR
NSDT111	16
NSHT211	16
NSKT211	16
NSHT271	48
Total semester 1	96

YEAR 1	
SECOND SEMESTER	
CODE	CR
NSRT121	16
NSCT221	16
NSFT121	16
NSHT221	16
Total semester 2	64
TOTAL CREDITS FOR THE CURRICULUM	160

NOTE: NSHT271 runs over a year.

G.2 MODULE OUTCOMES (ALPHABETICAL)

G.2.1 HONOURS DEGREES

Module code: FLGX612	Semester 1	NQF-Level: 8
Title: Cardiovascular Physiology A		
Module outcomes: After completion of the module the student should: <ul style="list-style-type: none"> • 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; • 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; • be able to analyse the cellular and sub-cellular elements involved in cardiovascular physiology and their role during physiological and pathophysiological responses; • have the ability to fully utilise the literature, to identify problems scientifically and discuss them in an integrated manner (for assessment of this outcome); • be prepared to practise the scientific method and be able to do research regarding cardiovascular problems (for assessment of this outcome); and • 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). 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: One examination per module.		
Module code: FLGX613	Semester 1	NQF-Level: 8
Title: Neurophysiology		
Module outcomes: After completion of the module the student should: <ul style="list-style-type: none"> • have extensive and systematic knowledge of neurophysiology; • understand the role of the nervous system in the control of body activities; • 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; • 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); • 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); • understand the identification of problems and independent solutions to problems; • understand the accurate processing and calculation of data/problems; and • Understand the responsibility that you as a prospective research worker have and pursue the characteristics that go along with it, such as accuracy, thoroughness, punctuality and integrity. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: Class assessments in form of short tests or assignments to build a participation mark. The module exam has an internal examiner with an internal moderator and an external moderator.		
Assessment criteria After completion of the modules the student should have mastered: <ul style="list-style-type: none"> • integration of pathological conditions as well as influences related to the environment. 		
Module code: FLGX615	Semester 1	NQF-Level: 8
Title: Research Methodology (Physiology)		
Module outcomes: After completion of the module the student should: <ul style="list-style-type: none"> • 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; • 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 • Demonstrate the skill to communicate information based upon good argumentation and problem-solving strategies as prescribed for the mini-dissertation / article / report. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: Class assessments in form of short tests or assignments to build a participation mark. The module exam has an internal examiner with an internal moderator and an external moderator.		

Assessment criteria After completion of the modules the student should have mastered: <ul style="list-style-type: none"> The principles and criteria (including ethical aspects) regarding the writing of a script/article/report are applied to various research scenarios; a problem in physiology or the health industry is addressed by means of a focussed research proposal; various research concepts and projects are critically discussed via oral evaluation of numerous research projects and scenarios; data related to a physiological problem are analysed and interpreted according to the correct statistical methods. 		
Module code: FLGX617	Semester 1	NQF-Level: 8
Title: Cellular Physiology		
Module outcomes: After completion of the module the student should: <ul style="list-style-type: none"> have extensive and systematic knowledge of and appropriate skills in relevant subjects within Cellular Physiology; be able to collect knowledge from the available literature and interpret it in an integrated manner; be able to analyse Cellular Physiology problems and solve them in view of the knowledge available; and be able to communicate in writing and orally in a scientific manner. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: Class assessments in form of short tests or assignments to build a participation mark. The module exam has an internal examiner with an internal moderator and an external moderator.		
Assessment criteria After completion of the modules the student should: <ul style="list-style-type: none"> Successfully answering the assessment paper in context of the study material studied in Study unit 1-4. Answering application questions in the assessment paper in context of the studied material (Study unit 1: heart failure, ischaemia. Study unit 2: ageing and cancer. Study unit 4: immune tolerance and cancer) Answering application questions in the assessment paper in context of the studied material. Using and integrating more than one source and supplementary notes (Study unit 1-4). Written communication by writing the assessment paper and orally by answering questions in class and participation in class discussions. 		
Module code: FLGX618	Semester 1	NQF-Level: 8
Title: Occupational Hygiene Monitoring A		
Module outcomes: After completion of the module the student should: <ul style="list-style-type: none"> have extensive and systematic knowledge and applicable skills within Occupational Hygiene; be able to collect knowledge from the available literature and interpret it in an integrated manner; be able to analyse Occupational Hygiene problems and solve them in view of the knowledge available; and be able to communicate in writing and orally in a scientific manner. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: Class assessments in form of short tests or assignments to build a participation mark. The module exam has an internal examiner with an internal moderator and an external moderator.		
Assessment criteria The student provides proof that the outcomes have been mastered if he/she is able to: <ul style="list-style-type: none"> Design, draw up en practically implement a monitoring programme. Answer a question that is based on the integration of knowledge contained in a number of sources. Analyse a given scenario and propose a suitable occupational hygiene monitoring strategy. Recommend the correct sample takers with reference to the chemical and physical characteristics of airborne pollutants present in a workplace. Evaluate the results of an occupational hygiene investigation and implement meaningful, relevant and affordable control measures. Indicate the place and importance of a risk assessment process in maintaining occupational health in general and in specific instances. Explain a complicated occupational hygiene problem in a logical and simple manner by using the latest technology available in the field. 		
Module code: FLGX621	Semester 2	NQF-Level: 8
Title: Cardiovascular Physiology C		
Module outcomes: After completion of the module the student should: <ul style="list-style-type: none"> have an extensive and systematic knowledge of the cardiovascular system and pathology; be able to understand the neurohumoral consequences of heart failure; be able to analyse the biophysical, clinical and therapeutic aspects of arterial stiffness; be able to understand the acute vascular events during certain cardiovascular incidents; be able to propose interventions for the improvement of cardiovascular function; and 		

<ul style="list-style-type: none"> be able to analyse the health problems related to the vascular endothelium damage. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: Class assessments in form of short tests or assignments to build a participation mark. The module exam has an internal examiner with an internal moderator and an external moderator.		
Assessment criteria The student proves that the outcomes have been achieved by: <ul style="list-style-type: none"> giving evidence during a contact session in an interactive way of knowledge of the general functioning of the cardiovascular system and how disorders contribute to pathological conditions; giving evidence that heart failure and the neurohumoral responses have been mastered by being able to present components of it at a contact session; being able to analyse ischaemic events critically in discussions, as well as by being able to identify ischaemic events from an ECG; being able to give evidence during a contact session of in-depth knowledge by answering questions about stroke, risk factors and the epidemiology of stroke; being able to conduct interactive discussions during a contact session on the working mechanism of leptin as well as the role of leptin in the development of cardiovascular diseases; giving evidence of in-depth knowledge of the pathophysiological impact of hypertension and dyslipidaemia on atherosclerosis; being able to discuss in group context how blood pressure contributes to vascular remodelling and eventual cardiovascular morbidity and mortality. Have ethical accountability in class debates and debate ethical issues efficiently in assessments. 		
Module code: FLGX622	Semester 2	NQF-Level: 8
Title: Toxicology A		
Module outcomes: After completion of the module the student should: <ul style="list-style-type: none"> have extensive and systematic knowledge and applicable skills within toxicology; be able to collect knowledge from the available literature and interpret it in an integrated manner; be able to analyse toxicological problems and solve them in view of the knowledge available be able to communicate in writing and orally in a scientific manner. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: Class assessments in form of short tests or assignments to build a participation mark. The module exam has an internal examiner with an internal moderator and an external moderator.		
Assessment criteria Successfully answers the assessment paper within the context of the study material in Study Units 1 to 6. <ul style="list-style-type: none"> Correctly answers applied questions in the assessment paper within the context of the study material in all the study units. Successfully completes the (group) assignment in Study Unit 6. Participates in discussions during class on the ethical aspects addressed in the study material (Study Unit 1, 6). Successfully answers questions in the assessment paper. Can communicate in writing in the assessment paper and verbally by answering questions in class, participating in class discussions (Study Unit 1-6) and delivering the presentation (assignment, Study Unit 6). 		
Module code: FLGX624	Semester 2	NQF-Level: 8
Title: Toxicology B		
Module outcomes: After completion of the module the student should: <ul style="list-style-type: none"> have extensive and systematic knowledge and applicable skills within toxicology; be able to collect knowledge from the available literature and interpret and analyse it in an integrated manner; be able to analyse toxicological problems and solve them in view of the knowledge available; be able to communicate in writing and orally in a scientific manner. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: Class assessments in form of short tests or assignments to build a participation mark. The module exam has an internal examiner with an internal moderator and an external moderator.		
Assessment criteria <ul style="list-style-type: none"> Successfully answering the assessment paper in context of the study material studied in Study unit 1-5. Answering application questions in the assessment paper in context of the studied material for all study units. Participating in class discussions concerning ethical issues as covered in the study material (Study unit 1-5). Successful answering of questions in the written assessment. Written communication by writing the assessment paper and orally by answering questions in class and participation in class discussions. 		
Module code: FLGX625	Semester 2	NQF-Level: 8
Title: Endocrinology		
Module outcomes:		

<p>After completion of the module the student should:</p> <ul style="list-style-type: none"> • have extensive and systematic knowledge of the nervous system and the endocrine system (neuro-endocrinology); • 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); • 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; • 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 • 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). 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: Class assessments in form of short tests or assignments to build a participation mark. The module exam has an internal examiner with an internal moderator and an external moderator.		
<p>Assessment criteria</p> <ul style="list-style-type: none"> • Successfully answering the assessment paper in context of the study material studied in Study unit 1. • participating in class discussions concerning the study material (Study unit 2-4). Successful answering of questions in the written assessment. • participating in class discussions concerning the publication covered in Study unit 4. Successful answering of questions in the written assessment. • written communication by writing the assessment paper and orally by answering questions in class and participation in class discussions. (Study unit 5). • preparing as a group for the class discussion, answering questions in class and participation in class discussions. 		
Module code: FLGX627	Semester 2	NQF-Level: 8
Title: Cardiovascular Physiology B		
<p>Module outcomes:</p> <p>After completion of the module the student should:</p> <ul style="list-style-type: none"> • 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; • be able to analyse the role of the endothelium function and dysfunction in the control of blood pressure; • be able to make out the different therapeutic treatments of endothelium dysfunction and debate the value of such treatments; • be able to evaluate the biology of the arterial wall and the relationship with arterial stiffness; • have knowledge of the pulse wave velocity and the arterial wall in order to evaluate its clinical significance; • be able to evaluate the effect of aging on the cardiovascular system; • be able to evaluate the effect of physiological, environmental and disease factors on arterial rigidity; and • be able to evaluate the working mechanism of leptin and the role of leptin in the development of cardiovascular diseases. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: Class assessments in form of short tests or assignments to build a participation mark. The module exam has an internal examiner with an internal moderator and an external moderator.		
<p>Assessment criteria</p> <ul style="list-style-type: none"> • Know how androgens influence blood pressure and should have confirmed this by empirical findings; • have evaluated the influence of ageing on the cardiovascular system; • have evaluated the influence of physiological, environmental and disease factors on arterial stiffness; • have evaluated the role of endothelium, nitrogen oxide, natriuretic peptide and adipose dependent cytokines in vascular disease; • have evaluated the influence of RAS on the microcirculation during hyper-tension. 		
Module code: FLGX671	Semester 2	NQF-Level: 8
Title: Practical Project (Physiology)		
<p>Module outcomes:</p> <p>After completion of the research project and composition of the treatise the student shall be able to:</p> <ul style="list-style-type: none"> • use the research method; • compose a mini-dissertation in article format in accordance with the instructions with regard to documentation, argumentation, language and style; and • Integrate and understand the literature on the research topic. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: The script is marked by two independent internal examiners allocating marks for the presentation from which an average mark is allocated.		
<p>Assessment criteria</p> <p>After completion of the project the student should be able to use the research methodology;</p>		

<ul style="list-style-type: none"> • compile a script in article format with correct language and style; • got hold of the literature concerning the research theme. 		
Module code: MBWB681	Semester 1 and 2	NQF-Level: 8
Title: Biokinetics: Orthopaedics		
Module outcomes: After the module has been completed, the student should be able to: <ul style="list-style-type: none"> • 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; • 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 • 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. 		
Mode of delivery: Fulltime/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.		
Module code: MBWB682	Semester 1 and 2	NQF-Level: 8
Title: Biokinetics: Clinical		
Module outcomes: After the module has been completed, the student should be able to: <ul style="list-style-type: none"> • 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; • 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; • 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; • 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 • 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. 		
Mode of delivery: Fulltime/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.		
Module code: MBWB683	Semester 1 and 2	NQF-Level: 8
Title: Biokinetics Theory / Health		
Module outcomes: After completion of the module the student should be able to: <ul style="list-style-type: none"> • 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; • 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; • apply appropriate optimising strategies within the multidisciplinary context based on science-based methods of investigation, diagnosis and optimising of functional abilities; • 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 • Present academically professional work effectively and communicate it to a variety of audiences using appropriate academic professional reasoning and IT. 		
Mode of delivery: Fulltime/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.		
Module code: MBWB684	Semester 1 and 2	NQF-Level: 8
Title: Biokinetics: Professional Internship		
Module outcomes: After completion of the module the student should be able to: <ul style="list-style-type: none"> • 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 ; • implement all the facets of the profession with the practice of Biokinetics; • work together within a multidisciplinary health team; • 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 • offer proof of completing an internship as determined by the Health Professions Council of South Africa. 		
Mode of delivery Fulltime/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.		
Module code: MBWK681	Semester 1 and 2	NQF-Level: 8
Title: Applied Research methodology		
Module outcomes: After the module has been completed, the student should be able to: <ul style="list-style-type: none"> • 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; • develop a research proposal and collect information in the tracing, analysing and synthesis of the relevant and recent literature; • 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; • function ethically correct within the required parameters during the execution of the mini research project. 		
Mode of delivery: Modes of delivery for modules are fulltime/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. 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.		
Assessment criteria Students have mastered the outcomes if they can: <ul style="list-style-type: none"> • demonstrate extensive and systematic knowledge and understanding of the terminology used in Human Movement Sciences. • complete a mini research project • solve a research problem in the field of Human Movement Sciences and communicate it by means of professional academic journal-aimed research article • function ethically correct within the required parameters during the execution of the mini research project. 		
Module code: MBWK682	Semester 1 and 2	NQF-Level: 8
Title: Kinderkinetics Theory		
Module outcomes: After the module has been completed, the student should be able to: <ul style="list-style-type: none"> • 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, 		

<p>kinanthropometric terminology, the importance, correct collecting and reporting of kinanthropometric data with regard to the development of children with and without special needs;</p> <ul style="list-style-type: none"> • 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; • 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; • 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 • in an ethically responsible manner generate, defend and communicate in writing and orally solutions that concern the child's physical, motor and body composition. 		
<p>Mode of delivery: Fulltime/contact. No modules are presented "online" or presented from one campus to students on another campus.</p>		
<p>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.</p>		
Module code: MBWK683	Semester 1 and 2	NQF-Level: 8
<p>Title: Applied Kinderkinetics Practical</p>		
<p>Module outcomes:</p> <p>After the module has been completed, the student should be able to:</p> <ul style="list-style-type: none"> • 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; • 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; • 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; • 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 • generate solutions that involve the child's physical, motor and body composition in an ethically responsible manner. 		
<p>Mode of delivery: Fulltime/contact. No modules are presented "online" or presented from one campus to students on another campus.</p>		
<p>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.</p>		
Module code: MBWK684	Semester 1 and 2	NQF-Level: 8
<p>Title: Professional Internship</p>		
<p>Module outcomes:</p> <p>After the module has been completed, the student should be able to:</p> <ul style="list-style-type: none"> • 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, development movements, sport development programmes for children with special needs, sport development and wellness programmes for children with and without special needs; • 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. 		

<p>This assessment and reporting must be done with and without supervision;</p> <ul style="list-style-type: none"> • 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 		
<p>Mode of delivery: Fulltime/contact. No modules are presented "online" or presented from one campus to students on another campus.</p>		
<p>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.</p>		
Module code: MBWK685	Semester 1 and 2	NQF-Level: 8
Title: Applied Exercise Physiology		
<p>Module outcomes: After the module has been completed, the student should be able to:</p> <ul style="list-style-type: none"> • 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; • 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 • 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. 		
<p>Mode of delivery: Fulltime/contact. No modules are presented "online" or presented from one campus to students on another campus.</p>		
<p>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.</p>		
Module code: MBWK686	Semester 1 and 2	NQF-Level: 8
Title: Child Welfare and Health Promotion		
<p>Module outcomes: After the module has been completed, the student should be able to:</p> <ul style="list-style-type: none"> • 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; • demonstrate skills to identify and analyse critical problems around the child's total welfare and generate solutions in an ethically responsible manner; • 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 • 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. 		
<p>Mode of delivery: Fulltime/contact. No modules are presented "online" or presented from one campus to students on another campus.</p>		
<p>Assessment methods: 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>		
<p>Assessment criteria Students have mastered the outcomes if they can:</p> <ul style="list-style-type: none"> • 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; 		

<ul style="list-style-type: none"> demonstrate skills to identify and analyse critical problems around the child's total welfare and generate solutions in an ethically responsible manner; 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 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. 		
Module code: MBWS682	Semester 1 and 2	NQF-Level: 8
Title: Applied Sport Physiology		
Module outcomes: After the module has been completed, the student should be able to: <ul style="list-style-type: none"> demonstrate a comprehensive and systematic knowledge of sport physiology with specific specialisation in physiological exercise adjustments; the influence of gender, 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; 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; 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 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. 		
Mode of delivery: Fulltime/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.		
Module code: MBWS683	Semester 1 and 2	NQF-Level: 8
Title: Applied Biomechanics		
Module outcomes: After the module has been completed, the student should be able to: <ul style="list-style-type: none"> 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; 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; 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. 		
Mode of delivery: Fulltime/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.		
Module code: MBWS684	Semester 1 and 2	NQF-Level: 8
Title: Applied Sport Psychology		
Module outcomes: After the module has been completed, the student should be able to: <ul style="list-style-type: none"> demonstrate a comprehensive and systematic knowledge of coaching philosophies, sport psychology and appropriate evaluation instruments for evaluating sports people; 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 		

<ul style="list-style-type: none"> 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. 		
Mode of delivery: Fulltime/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.		
Module code: MBWS685	Semester 1 and 2	NQF-Level: 8
Title: Sport Science Internship		
Module outcomes: After the module has been completed, the student should be able to: <ul style="list-style-type: none"> 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 act in an ethically correct manner within the desired parameters when functioning as a sport scientist in training. 		
Mode of delivery: Fulltime/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.		
Module code: MBWS686	Semester 1 and 2	NQF-Level: 8
Title: Sport Science Practice		
Module outcomes: After the module has been completed, the student should be able to: <ul style="list-style-type: none"> 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 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; demonstrate the ability to plan, set up and manage a sport science business; 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 operate in an ethically correct manner within the desired parameters when functioning in the sport science practice. 		
Mode of delivery: Fulltime/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.		
Module code: NUTA671	Semester 1 and 2	NQF-Level: 8
Title: Advanced Nutrition		
Module outcomes: After completing this module, the student should: <ul style="list-style-type: none"> Have an intermediate understanding of the "evidence-based" process used to substantiate health claims or public health recommendations and be able to motivate the contribution of different types of study designs in this process. Have partly experienced the "evidence-based" process by conducting a qualitative systematic review on a specific topic through: A complete systematic gathering and review of all the published papers on a specific topic; Critical evaluation of the quality of the research methodology in the published papers; Basic interpretation of the evidence and making of responsible evidence-based conclusions and recommendations and 		

<ul style="list-style-type: none"> Scientific communication of the process and the evidence (written). 		
Mode of delivery: Fulltime/contact.		
Assessment methods: Written assignments, oral presentations, class test. Examiners will be appointed according to the North-West University and Faculty rules.		
Assessment criteria The outcomes are achieved if the students are able to: <ul style="list-style-type: none"> describe the role evidence based science plays in the creation of health claims or public health recommendations. They should also be able to explain of the role different study designs play in this process. write the results and discussion section of a systematic review by: firstly finding all articles published on the selected topic using a variety of the appropriate electronic databases and then to illustrate this process by creating a clear search strategy, describing the process. creating a data extraction form, with clear headings as to which data should be extracted from the papers extracting the results of the papers by interpreting the evidence as depicted in results tables and text of these papers. assessing the quality of the identified papers through the use of an appropriate quality scoring criteria. interpreting the evidence by writing a structured discussion in which they summarise the main results, explain discrepancies between the included studies, describe the underlying physiological mechanisms, give advice to the public and suggest further research. 		
Module code: NUTE671	Semester 1 and 2	NQF-Level: 8
Title: Nutrition Epidemiology		
Module outcomes: After completion of the module, the student will be able to: <ul style="list-style-type: none"> demonstrate extensive and systematic knowledge of nutrition epidemiology by explaining the main theoretical and conceptual frameworks within epidemiology; conduct epidemiological studies in the field of nutrition while the strengths and limitations of the method are taken into consideration; define the exposure and outcomes of the nutritional status of a population, the epidemiological approach to the cause of disease, and the methodological considerations in the planning of the study; and 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. 		
Mode of delivery: Fulltime/contact.		
Assessment methods: Written assignments, oral presentations, class test. Examiners will be appointed according to the North-West University and Faculty rules.		
Assessment criteria The student will prove that he/she has attained the outcomes of the module when he/she can: <ul style="list-style-type: none"> Choosing and applying appropriate processes of enquiry through critical evaluation of current nutritional epidemiology research; Selecting and designing appropriate epidemiological research methods to address challenging and complex nutrition-related issues in the South African context; Selecting and applying an appropriate statistical strategy to a data set; Evaluating nutrition-related disease risk; Making and applying autonomous decisions in line with ethical principles; Taking full responsibility for the work he/she delivers. 		
Module code: NUTG671	Semester 1 and 2	NQF-Level: 8
Title: Nutrigenetics		
Module outcomes: After completing this module the student should have: <ul style="list-style-type: none"> a comprehensive and systematic knowledge base in the field of human molecular genetics including but not limited to the central dogma of molecular biology, DNA and chromosome function and structure, as well as a detailed knowledge of nutrigenetics and its application in the improvement of public health. a coherent and critical understanding of the major terms, rules, concepts, principles and theories of population genetics and be able to apply them coherently when dealing with evidence-based solutions and theory-driven arguments to real world problems and issues. an intermediate understanding of the major methods of molecular human genetics and a basic understanding of the methods used in the "omics" sciences to be able to effectively choose and implement an experimental strategy using an applicable array of the major techniques of human molecular genetics to research nutrient-gene interactions in a real-world example under supervision. efficient information retrieval skills and be able to critically analyse and synthesise quantitative and quantitative nutrigenetic data and present this information in a scientific manner suitable for academic professional discourse. the necessary presentation and communication skills to enter into scientific discourse about current and 		

<p>relevant nutrigenetics topics, giving evidence of a personal value system.</p> <ul style="list-style-type: none"> the ability to integrate these various competencies into the formulation of an ethical and effective research strategy to determine the molecular origins of specific nutrigenetic-based disorders. 		
Mode of delivery: Fulltime/contact.		
Assessment methods: Tests, case studies, seminar, laboratory work and final written and oral examination.		
Assessment criteria The outcomes have been reached when the student can: <ul style="list-style-type: none"> Indicate insight into basic nutrigenetic concepts such as "personalised" nutrition and gene-nutrient interaction as determined by a written exam Implement basic population genetics methodology in the analysis of real-life example Do a literature search of a relevant nutrigenetics topic using electronic journal database and critically evaluate the data and present it in the form of a seminar Indicate insight and understanding of basic molecular genetic techniques as determined by a report of the practical component of the course to investigate the student's skills in scientific writing Indicate sufficient proficiency in basic nutrigenetic laboratory techniques through evaluation of practical sessions Develop an ethical protocol for the analysis of a specific nutrigenetic-based disorder. 		
Module code: NUTP671	Semester 1 and 2	NQF-Level: 8
Title: Public Health Nutrition		
Module outcomes: After completing this module you will: <ul style="list-style-type: none"> Understand the complex relationships between nutrition and health, both under- and overnutrition. These include the nutrition transition in developing countries, the extra vulnerability of developing populations to chronic diseases, the double burden of disease, global and South African prevalence. The student must also identify the factors contributing to food and nutrition security and address the influence of food security on nutritional status. The student must evaluate the appropriateness of the South African Food-Based Dietary Guidelines to promote optimal nutrition. Understand relevant methods in the field of nutrition epidemiology to interpret epidemiological and statistical concepts and the relevance thereof in public health nutrition programmes. Evaluate the suitability of methods of the assessment of nutritional status in a public health setting: the interpretation of dietary intake, anthropometrical and biochemical nutritional status data in epidemiology. Integrate knowledge of the prevalence and physiological basis of the most pertinent public health nutrition problems in South Africa. Apply at an intermediate level the evidence-based public health nutrition cycle by completing an assignment in a typical South African setting: <ul style="list-style-type: none"> Identifying the existing public health nutrition problems and prioritising specific problems for intervention; Interpreting the evidence and making responsible evidence-based conclusions and recommendations; Apply the public health nutrition cycle to develop a programme that offers innovative solutions to the chosen public health nutrition problems; Critically reflect on ethical issues related to the chosen interventions; Formulate steps in the implementation and evaluation of the chosen public health nutrition problems and Effective scientific communication of the process using appropriate academic and professional discourse. Have a clear understanding of the complexity and need for a comprehensive food and nutrition policy. Understand the context and systems involved in the process of policy development. 		
Mode of delivery: Fulltime/contact		
Assessment methods: Written assignments, oral presentations, class test. Examiners will be appointed according to the North-West University and Faculty rules.		
Assessment criteria The student reached the outcomes if he/she: <ul style="list-style-type: none"> Can explain the complex relationships between nutrition and health within the nutrition transition in developing countries, in the context of the extra vulnerability of developing populations to chronic diseases and the double burden of disease. Can integrate factors contributing to food and nutrition security and discuss the influence of food security on nutritional status. Can evaluate the appropriateness of South African nutrition-related policies, programmes and guidelines to promote optimal nutrition. Understands relevant methods in the field of nutrition epidemiology to interpret epidemiological and statistical concepts and the relevance thereof in public health nutrition programmes. Can evaluate methods of the assessment of nutritional status in a public health setting. 		

<ul style="list-style-type: none"> Integrates knowledge of the prevalence and physiological basis of the most pertinent public health nutrition problems in South Africa. Applies at an intermediate level the evidence-based public health nutrition cycle in an assignment in a typical South African setting: Effectively communicate the process using appropriate scientific and professional discourse. Critically reflects on ethical issues related to public health nutrition interventions. 		
Module code: NUTR671	Semester 1 and 2	NQF-Level: 8
Title: Research Report		
Module outcomes: After having completed this module, you should be able to: <ul style="list-style-type: none"> demonstrate an understanding of the complexities and uncertainties of selecting, applying or transferring appropriate standard procedures, processes or techniques to unfamiliar problems in the field of nutrition. demonstrate an ability to identify and address ethical issues based on critical reflection on the suitability of different ethical value systems to the context of nutrition. demonstrate an ability to critically review information gathering, evaluation and management processes in the field of nutrition in order to develop creative responses to problems and issues. demonstrate an ability to present and communicate academic, professional or occupational ideas and texts effectively to a range of audiences, offering creative insights, rigorous interpretations and solutions to problems and issues appropriate to the context of the field of nutrition. 		
Mode of delivery: Fulltime/contact		
Assessment methods: Research report for which examiners will be appointed according to the North-West University and Faculty rules.		
Assessment criteria The student has achieved the outcomes of the module if he / she: <ul style="list-style-type: none"> can write a successful research report that will reflect the students' understanding of the research process. The content of the research report must indicate the students ability to apply methods and procedures, solve problems, apply ethical standards and have the ability to access, process and manage information. 		
Module code: NUTS671	Semester 1 and 2	NQF-Level: 8
Title: Sport Nutrition		
Module outcomes: After successful completion of the NUTS671 module, you will be able to demonstrate: <ul style="list-style-type: none"> an ability to apply a range of different but appropriate practical skills to collect the relevant information and assess the nutritional status of active individuals participating in different sporting codes with the aim to determine their specific nutritional requirements for optimal training and competition; a comprehensive knowledge and understanding to analyse and critically evaluate complex situations regarding dietary and supplement intakes in active individuals participating in different sporting codes with the aim to suggest justified improvements for optimal health and performance; the ability to select and apply scientific methods to do focused sports nutrition-related research (e.g. literature review), to critically evaluate and integrate the information and communicate appropriate recommendations and interventions via effective modes of communication (e.g. scientific research reports, PowerPoint presentations, nutrition reports); an ethically and professionally sound approach to the management and implementation of sports nutrition services to active individuals and relevant role players. 		
Mode of delivery: Fulltime/contact		
Assessment methods: Written assignments, oral presentations, class test. Examiners will be appointed according to the North-West University and Faculty rules.		
Assessment criteria The outcomes will be achieved if you are able to: <ul style="list-style-type: none"> accurately assess the nutritional status and determine the specific nutritional requirements of active individuals participating in different sporting codes; optimise the dietary and supplement intake of actives individuals participating in different sporting codes by means of dietary guidelines and practical advice aimed to meet the recommended requirements for their specific sport, body composition goals, optimal health and performance; scientifically research a sports nutrition topic and effectively integrate, evaluate and communicate the relevant and appropriate results; interact with active individuals and other relevant role players in an ethical and professional manner to collect information from them and/or communicate information to them. 		
Module code: PSYH611	Semester 1	NQF-Level: 8
Title: Psychological evaluation		
Module outcomes: Upon completion of this module students will be able to demonstrate: <ul style="list-style-type: none"> Applied knowledge and engagement in psychological evaluation and a critical understanding and application of processes relevant to psychological evaluation that aim at achieving a holistic view of the person; 		

<ul style="list-style-type: none"> The ability to evaluate the use of tests based on their psychometric characteristics/properties, and to evaluate and interpret the results of individuals in different tests or different test batteries; The ability to develop a psychological test, individually and in a group context, for the use of a complex, realistic problem; The ability to communicate to an audience about the following: tests results, cross cultural translation and adaptation of tests, the management of tests and ethical standards, administrative procedures involved in assessment. Critical thinking and understanding of ethical considerations in psychological evaluation (intellectual and scholastic capabilities, aptitudes and interests, personality and interpersonal functioning) within different cultural and social environments; The ability to apply advanced knowledge of the central methods of psychological evaluation to well-defined, but unknown case studies, by using the most applicable procedures and techniques of psychological evaluation; The ability to critically analyse qualitative and quantitative outcomes of psychological evaluations and synthesize a conclusion into a well-structured report and referral letter to an applicable professional; The self-regulated skills to independently obtain, critically analyse and synthesize information from appropriate research articles and other credible sources, to present such findings, as well as reflect on the impact of the study material; The ability to use their own learning strategies, independent working style and partake in professional discourses. 		
Mode of delivery: Contact teaching – only fulltime.		
Assessment methods: Written assignments, class activities, group- and individual work, as well as a formal examination.		
Assessment criteria Upon successful completion of the modules students will be able to: <ul style="list-style-type: none"> Communicate verbally in a group context, or in writing, their own critical, evaluating viewpoint with regard to the role of the factors that stimulated and influenced psychological assessment; Evaluate, verbally and in writing, the ethical accountability of the different steps followed during the psychological evaluation; Report on the tests results, as indicated by case studies; Verbally and non-verbally explain the use of the appropriate technical equipment used to indicate the basic and technical requirements of tests and test development; Analyze and evaluate new/unknown tests to individuals' results in a test/test battery, and persons' achievement in certain tests and procedures during selection procedures; Demonstrate a comprehensive understanding of the relative value and ethical application of various modes of psychological evaluation; Demonstrate the skills to do observations, interviews and psychological measures and write reports to parents and teachers; Indicate domains of psychological measurements in various socio-cultural contexts; Demonstrate a critical understanding of the aim, rationale, reliability and validity of selected psychological measures by analyzing and interpreting provided protocols; Demonstrate the ability to synthesize qualitative and quantitative outcomes of various evaluation methods into coherent well-formulated reports. Apply knowledge of the assumptions, values and principles of psychological evaluation in the formulation of an evaluation plan for children, adolescents and/or adults as provided in case studies; Independently obtain, and critically analyze and synthesize information from appropriate research articles and use appropriate academic or professional discourse to present findings in the field of psychological evaluation; and Integrate information from several sources and apply it during class discussions, assignments and tests. 		
Module code: PSYH612	Semester 1	NQF-Level: 8
Title: Community psychology: Theory		
Module outcomes: Upon completion of this module, students will be able to: <ul style="list-style-type: none"> Demonstrate an understanding that communities, which are construed as geographically located areas, as well as social or interest groups having similar values, beliefs, practices and cultures, are embedded in various diverse contexts; Demonstrate a well-rounded knowledge of the theories underlying community psychology as well as the core values underpinning community psychology and the ethical considerations applicable to research in communities; Plan, implement and evaluate appropriate interventions that facilitate community competence by using appreciative inquiry and ethno-drama, indicating a sensitivity for the contextual embeddedness of relational communities; Master skills for the illustration that learning on community level is a reflective and transformative activity; Determine the ethical conduct when entering and doing research in a community; 		

<ul style="list-style-type: none"> Critically review information gathering and evaluate and manage information gathering processes in communities; Demonstrate self-regulated skills to independently obtain, critically analyse and synthesize information from appropriate research articles or other credible sources regarding communities, to present such findings and to reflect on the impact of the study material; Use their own learning strategies, independent working style and partake in professional discourses. 		
Mode of delivery: Contact teaching – only fulltime.		
Assessment methods: Written assignments, class activities, group- and individual work, as well as a formal examination.		
Assessment criteria Upon completion of this module student should be able to: <ul style="list-style-type: none"> Plan appropriate community psychology interventions based on: a) sound ethical principles for access to communities, b) knowledge of the different theoretical models, c) clear consideration of the level of engagement, the community and the broader contextual issues in which the community functions; Apply knowledge of the values of community psychology and the relevant aspects of learning in the formulation of feasible goals to attain the general and specific outcomes of the community psychology interventions; Apply appropriate research methods to evaluate interventions in terms of its potential for facilitating community mental health and well-being as indicated by expert peer reviewers and the community; Implement community interventions which adhere to ethical guidelines and will facilitate open dialogue and transformation on different levels; Identify and evaluate the application of ethical conduct when a community was entered and research done according to a given case study; Make a presentation of an applicable theory in a group in class about community processes; Independently obtain, and critically analyze and synthesize information from appropriate research articles and use appropriate academic or professional discourse to present findings in the field of community psychology. 		
Module code: PSYH613	Semester 1	NQF-Level: 8
Title: Applied positive psychology		
Module outcomes: Upon completion of this module students will demonstrate: <ul style="list-style-type: none"> An engagement in the knowledge and informed understanding of Positive Psychology/ Psychofortology as a movement within the field of Psychology, including the paradigms, theories, concepts and ethical facets related to psychological health in order to apply it in the facilitation of personal and multicultural contextual well-being; The ability to apply relevant theories/research in different cultural contexts with sensitivity to bio-psycho-social relationships regarding problems and to facilitate psycho-social thriving from a positive psychological perspective; The ability to solve complex and ill-defined real-world problems related to psychological and psycho-social health, using appropriate procedures and sound evidence drawn from a critical analysis of different theories within Positive Psychology; The ability to apply a variety of specifically selected evidence-based strategies in a moral-ethical and culture-sensitive way in order to advance positive psychological flourishing in individuals, groups and communities while recognizing important bio-psycho-social associations and, with sensitivity to, among others, collectivist and individualist value systems; An ability to identify and address ethical issues based on critical reflection of psychopathology versus Psychofortology; The ability of self-regulated skills to independently obtain, critically analyse and synthesize information from appropriate research articles and other credible sources regarding Psychofortology, to present such findings as well as reflect on the impact of the study material.; The ability to use their own learning strategies, independent working style and partake in professional discourses. 		
Mode of delivery: Contact teaching – only fulltime.		
Assessment methods: Written assignments, class activities, group- and individual work, as well as a formal examination.		
Assessment criteria Upon completion of this module students should be able to: <ul style="list-style-type: none"> Describe and compare the traditional pathogenic paradigm to a salutogenic perspective of human functioning, and develop a balanced perspective on mental health and a sound understanding of its implications for public health care; Select specific theories from within the psychofortogenic paradigm and apply them effectively to facilitate the bio-psycho-social well-being of individuals and communities within their cultural context; Analyze complex case studies to identify the appropriate theoretical and cultural aspects central to the situation and advise on possible facilitation towards optimal psychological functioning; 		

<ul style="list-style-type: none"> Execute a project and assignment aimed at the design and application of a programme to facilitate the psychological well-being of an individual/community facing complex and ill-defined real-world situations; Indicate ethical sensitivity in the project/assignment; Present an applicable theory in a group in class about psychofortology. Independently obtain, and critically analyze and synthesize information from appropriate research articles and use appropriate academic or professional discourse to present findings in the field of positive psychology. 		
Module code: PSYH621	Semester 2	NQF-Level: 8
Title: Intervention techniques		
Module outcomes: After completion of this module students should be able to demonstrate: <ul style="list-style-type: none"> An advanced knowledge and understanding of the theoretical and practical application of relevant brief-term intervention skills such as the Hybrid Model of crisis intervention in a socio-cultural context; The ability to critically engage with intervention theories and effectively select and apply essential procedures, operations and techniques to a variety of specific situations; The ability to use self-regulated skills in order to apply the Hybrid model and assessment methods in different situations and on persons through critical analysis and application of information. Knowledge of the Hybrid model and triage assessment system; A clear value system and code of ethical conduct in all forms of communication and interaction; The ability of self-regulated skills to independently obtain, critically analyse and synthesize information from appropriate research articles and other credible sources regarding interventions techniques, as well as reflect on the impact of the study material; The ability to use their own learning strategies, independent working style and partake in professional discourses. 		
Mode of delivery: Contact teaching – only fulltime.		
Assessment methods: Written assignments, class activities, group- and individual work, as well as a formal examination.		
Assessment criteria Upon completion of this module students should be able to: <ul style="list-style-type: none"> Define various applicable terminology within the field of crisis interventions as well as domains, models, states, theories and concepts within an individual and multicultural setting; Compare and implement different theories, operations, interventions, techniques, assessments and therapy relevant to the type of crisis at different settings; Demonstrate the ability to differentiate between the various types of crises, trauma and stress situations and manifestations of symptomatology in order to render the most applicable service to the victims across the span of life domains, types of relationships and life settings as well as focusing on the carer/helper self; Apply their knowledge of the Hybrid Model and the triage assessment system to any chosen case study; Apply ethical aspects as it will be evaluated in their projects; Present an applicable intervention programme for a given case study in a group in class; Independently obtain, and critically analyze and synthesize information from appropriate research articles, practical applications and use appropriate academic or professional discourse to present findings within intervention strategies. 		
Module code: PSYH622	Semester 2	NQF-Level: 8
Title: Theoretical perspectives on rendering help		
Module outcomes: Upon completion of this module students will be able to demonstrate: <ul style="list-style-type: none"> Comprehensive knowledge of and insight into various models and processes of psychological helping/counselling; The application of knowledge about 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; Information gathering and processing skills for finalising assignments; The ability to communicate to an audience the simulations of the different therapeutic techniques that can be used; Ethical behaviour in helping others; The ability of self-regulated skills to independently obtain, critically analyse and synthesize information from appropriate research articles and other credible sources regarding the application of various therapeutic theories and techniques; The ability to use their own learning strategies, independent working style and partake in professional discourses. 		
Mode of delivery: Contact teaching – only fulltime.		
Assessment methods: Written assignments, class activities, group- and individual work, as well as a formal examination.		
Assessment criteria Upon completion of this module students should be able to: <ul style="list-style-type: none"> Effectively describe, discuss, evaluate and apply the concepts, terminologies, theories, processes and 		

<p>techniques of the various approaches in a professional context;</p> <ul style="list-style-type: none"> Critically analyze case studies or examples to develop and justify suitable interventions based on theoretical evidence and communicate these in a report according to the prescribed conventions of the subject; Undertake information searches and process the information in order to apply it in written assignments and apply a number of selected therapeutic techniques in a simulated therapeutic situation; Demonstrate knowledge obtained from the theories and ethical code applied to simulations in class and case studies; Apply ethics according to the ethical code in simulations; Present an applicable intervention programme of a case study in a group in class; Independently obtain and critically analyze and synthesize information from appropriate research articles, practical applications and use appropriate academic or professional discourse to present various therapeutic theories and techniques, embedded in ethical codes with clients. 		
Module code: PSYH623	Semester 2	NQF-Level: 8
Title: Child and adolescent psychology		
<p>Module outcomes:</p> <p>Upon completion of this module students should be able to demonstrate:</p> <ul style="list-style-type: none"> Applied knowledge and a thorough understanding of concepts, theories and key terminologies used in Developmental Psychology in order to communicate information reliably, coherently and ethically, in both oral and written assessment tasks and have an integrated knowledge base of the physical, cognitive and psychosocial development of human beings in every stage of the life cycle and apply it in assessment tasks and class presentations; The ability to explain, discuss and describe child development in the information age; Applied knowledge and engagement in order to understand, describe and explain the effect of modern technologies, such as cell phones and internet on the child and adolescent's development on physical, cognitive, social and emotional levels; The ability to apply integrated knowledge of parental pathology and a critical understanding and application of the effect thereof on child and adolescent development; Applied knowledge, understanding and engagement in critical thinking towards all ethical considerations in dealing with children and adolescents in general and from culturally diverse families; The ability to apply an integrated knowledge of the role of biology / neuropsychology in developmental psychology; The ability to critically evaluate, analyse and synthesize information on families in adverse situations to be able to solve simulated problems individually or in groups. 		
<p>Mode of delivery:</p> <p>Contact teaching – only fulltime.</p>		
<p>Assessment methods:</p> <p>Written assignments, class activities, group- and individual work, as well as a formal examination.</p>		
<p>Assessment criteria</p> <p>Upon completion of this module students should be able to:</p> <ul style="list-style-type: none"> Demonstrate integrated knowledge of the theories and key terminologies used in Developmental Psychology; Explain the different parental pathology and the effect thereof on child- and adolescent development by critically discussing the two models; Investigate the effect of modern technologies on child- and adolescent development on physical, cognitive, social and emotional levels; Execute a project and assignment aimed at the design and application of a programme to explain the challenges children and adolescents face in the 20th century; Critically discuss the ethical considerations involved when dealing with children and adolescents from culturally diverse families; Explain, discuss and apply integrated knowledge of the role of biology / neuropsychology in developmental psychology; Describe the political, social, religious and economic challenges culturally diverse, gay/lesbian, step and non-marriage families experience if compared from different social contexts. 		
Module code: PSYH671	Semester 1 and 2	NQF-Level: 8
Title: Research and ethics: Theory and practice		
<p>Module outcomes:</p> <p>Upon completion of this module students should demonstrate:</p> <ul style="list-style-type: none"> Advanced knowledge and understanding of the theoretical underpinnings informing qualitative and quantitative research methods; The ability to define, analyse, evaluate, select and apply relevant research methodologies and concepts related to research in psychology including qualitative and quantitative techniques of data gathering and analysis; Logical reasoning skills and ethical sensitivity in the conception, design and carrying out of an empirical research project focusing on community wellness under the supervision of an academic staff member; The ability to develop a research report on the conducted research according to academic and practice-related standards; Knowledge of ethics involved in all research done; 		

<ul style="list-style-type: none"> The ability to distinguish between and applying different strategies of ensuring validity, reliability and trustworthiness in qualitative and quantitative research; as well as sensitivity for ethical issues in conducting and reporting research findings; The ability to critically evaluate, analyse and synthesize information on different types of research. 		
Mode of delivery: Contact teaching – only fulltime.		
Assessment methods: Written assignments, class activities, group- and individual work, as well as a formal examination.		
Assessment criteria Upon completion of the module students should be able to: <ul style="list-style-type: none"> Describe the different philosophical perspectives underpinning qualitative and quantitative research; Distinguish between the applicability of research topics, based on the nature of the problem and the most appropriate research design; Identify and describe specific research designs in both qualitative and quantitative and mixed methods research designs as well as the reporting on the project; Discuss sampling from both a qualitative and quantitative perspective and to indicate this in a written report; Apply that all ethical considerations were adhered to in a written report; Locate and use research resources such as literature, data and websites; Apply the principles for scholarly writing as set out by the APA. 		
Module code: PSYH672	Semester 1 and 2	NQF-Level: 8
Title: Psychopathology		
Module outcomes: Upon completion of this module students should demonstrate: <ul style="list-style-type: none"> Knowledge in order to identify and compare the different forms of psychopathology in children, adolescents adults from a Western as well as an African perspective; Knowledge of the DSM 5 classification system and the ability to apply this knowledge; Knowledge and engagement to critically discuss and compare possible aetiologies regarding psychopathology, and come to an integrated synthesis; Knowledge and engagement in order to analyse case studies and make correct diagnoses; Knowledge in order to act ethically correct and from an established system of norms in all actions; Knowledge and engagement in order to make sensible and relevant references for continued or advanced intervention after having studied the case studies; The ability of self-regulated skills to independently obtain, critically analyse and synthesize information from appropriate research articles and other credible sources regarding psychopathology to present findings as well as reflect on the impact of the study material; The ability to use their own learning strategies, independent working style and partake in professional discourses. 		
Mode of delivery: Contact teaching – only fulltime.		
Assessment methods: Written assignments, class activities, group- and individual work, as well as a formal examination.		
Assessment criteria Assessment will be based on feedback on the study material, additional sources, homework assignments and/or any uncertainties will be addressed during the contact session. Students must present an applicable theory in a group in class about psychopathology. Student must independently obtain, and critically analyze and synthesize information from appropriate research articles and use appropriate academic or professional discourse to present findings in the field of pathology.		
Module code: RKKX673	Semester 1 and 2	NQF-Level: 8
Title: Recreation Management		
Module outcomes: After the module has been completed, the student should be able to demonstrate: <ul style="list-style-type: none"> comprehensive and systematic knowledge of practical skills with regard to the presentation of recreation services; effective and appropriate use of practical skills in order to successfully present and manage recreation services in a professional manner; 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 mastery of sensitive issues in recreation practice in a professional and ethically accountable manner. 		
Mode of delivery: Fulltime/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. Students complete one final practical examination at the end of the year. A second examination opportunity will be available to students who have missed the first opportunity and/or have failed the first examination.		
Assessment criteria Students have mastered the outcomes if they can:		

<ul style="list-style-type: none"> present practical skills with regard to the presentation of recreation services by means of comprehensive and systematic knowledge; successfully present and manage recreation services in a professional manner through effective and appropriate use of practical skills; identify and solve known problems in the recreation practice through a coherent and critical understanding of the science, research and technology; manage sensitive issues in recreation practice in a professional and ethically accountable manner. 		
Module code: RKKX677	Semester 1 and 2	NQF-Level: 8
Title: Therapeutic Recreation		
Module outcomes: After the module has been completed, the student should be able to: <ul style="list-style-type: none"> 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; Successfully master effective and appropriate planning skills within the therapeutic recreation process in order to implement a variety of interventions; Handle sensitive issues in the therapeutic recreation practice in an ethical and responsible manner; Collect, analyse and interpret scientific research data under supervision from literature and case studies and use the results for positive leisure time functioning. 		
Mode of delivery: Fulltime/contact. No modules are presented "online" or presented from one campus to students on another campus.		
Assessment methods: Individual and group assignments based on the different study units, unprepared class tests and individual and group presentations. Formal theoretical examination.		
Assessment criteria The outcomes have been mastered when the student can: <ul style="list-style-type: none"> Demonstrate a comprehensive understanding of therapeutic recreation within a multidisciplinary relationship and service delivery. To combine this knowledge with the necessary theoretical expertise to identify, analyse, evaluate and solve practice-oriented problems. Follow and implement the therapeutic recreation process within a variety of situations Identify, explain, evaluate and handle sensitive issues in the delivery of therapeutic recreation practice in an ethical and responsible manner Demonstrate the ability to collect, analyse and interpret scientific research data under supervision from literature and case studies and use the results for positive leisure time functioning. 		
Module code: RKKX678	Semester 1 and 2	NQF-Level: 8
Title: Advanced Facilitation		
Module outcomes: After the module has been completed, the student should be able to: <ul style="list-style-type: none"> demonstrate comprehensive and systematic knowledge of experiential learning, as well as the characteristics and skills that a facilitator must have; demonstrate effective and functional processing skills to successfully facilitate a variety of leisure time programmes for target groups; 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 master sensitive issues in the facilitation practice in an ethically accountable manner. 		
Mode of delivery: Fulltime/contact. No modules are presented "online" or presented from one campus to students on another campus.		
Assessment methods: Class tests, Class presentations, Written assignments, Practical assignments. 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.		
Assessment criteria Students have mastered the outcomes if they are able to: <ul style="list-style-type: none"> Show comprehensive and systematic knowledge of experiential learning, characteristics and skills of a facilitator, programme design and special populations; Successfully facilitate a variety of programmes for a variety of target populations, demonstrating effective processing skills; Identify and solve practical problems using their theoretical knowledge, research and critical thinking techniques; Facilitate recreation programmes in ethically accountable manner. 		
Module code: RKKX679	Semester 1 and 2	NQF-Level: 8
Title: Leisure Programming		
Module outcomes:		

<p>After the module has been completed, the student should be able to:</p> <ul style="list-style-type: none"> 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; demonstrate effective and functional planning skills in order to effectively apply leisure time service delivery and programmes within a variety of communities and populations; 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; 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 collect, analyse and interpret scientific research data under supervision from literature and case studies and use the results for positive leisure time functioning 		
<p>Mode of delivery: Fulltime/contact. No modules are presented "online" or presented from one campus to students on another campus.</p>		
<p>Assessment methods: Written class tests on specific study units, group work activities, assignments, unprepared teaching tests, oral presentations (of articles) and discussions on various study sections as class involvement. A final theoretical examination.</p>		
<p>Assessment criteria The outcomes have been mastered when the student can:</p> <ul style="list-style-type: none"> Demonstrate the ability to use applicable strategies to plan and organise leisure-time programmes within a changing environment based on an agency's purpose. Analyse participant input to determine leisure needs of diverse communities and implement programmes meeting such needs. Conceptualize a programme plan and apply theory to convert it into a written plan encompassing operational elements such as promotion, registration, supervision and costs. Analyse policies and structures pertaining to the provision and delivery of recreation services and explain functions of local government responsible for the delivery of recreation services within a South African context. Evaluate research data and apply relevant information to optimise participants' experience. 		
Module code: RKKX681	Semester 1 and 2	NQF-Level: 8
Title: Applied Recreation Management		
<p>Module outcomes: After the module has been completed, the student should be able to:</p> <ul style="list-style-type: none"> demonstrate comprehensive and systematic knowledge of service delivery and management in the recreation environment; apply effective and appropriate management skills during the planning, organising and presentation of recreation services; 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; solve problems regarding recreation management in an ethically accountable manner in order to contribute to the promotion of recreation service delivery in South Africa. 		
<p>Mode of delivery Fulltime/contact. No modules are presented "online" or presented from one campus to students on another campus.</p>		
<p>Assessment methods: Teaching tests, assignments and practicals. A final theoretical examination.</p>		
<p>Assessment criteria The module outcomes have been mastered when the student can:</p> <ul style="list-style-type: none"> apply the comprehensive and systematic knowledge of service delivery and management in the recreational environment; apply effective and efficient management skills in the planning, organisation and presentation of recreational services; show a cohesive and critical understanding of the science, research and technology and have the ability to combine it with the necessary theoretical expertise to identify problems around the management of recreation service delivery in planning, organising and presenting recreational services; and solve problems around recreation management in an ethically justified way and thereby contribute to the promotion of recreation in South Africa. 		
Module code: VGHB671	Semester 1 and 2	NQF-Level: 8
Title: Housing and Community Development		
<p>Module outcomes: Upon completion of this module the student should:</p> <ul style="list-style-type: none"> 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; 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; 		

<ul style="list-style-type: none"> 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; 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; demonstrate an ethically correct attitude with regard to the manner in which you approach the consumer by making recommendations acceptable to both parties; and demonstrate the principles and values underlying decision-making and housing law, as well as economic 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. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: One examination per module.		
Module code: VGHB672	Semester 1 and 2	NQF-Level: 8
Title: Consumer Resource Management		
Module outcomes: Upon completion of this module the student should: <ul style="list-style-type: none"> demonstrate effective skills at retrieving, processing, interpreting and integrating academic literature relevant to consumer resource management; 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; identify, analyse and investigate complex problems and questions in resource management behaviour and offer evidence-driven solutions from theory-driven arguments; demonstrate and orally communicate the principles and values underlying family welfare and family resource management; 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; evaluate environmental conservation as well as responsible management of scarce resources in order to address sound resource management as well as consumer counselling; present lectures suitable for a variety of audiences in a clear and meaningful fashion. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: One examination per module.		
Module code: VGHB673	Semester 1 and 2	NQF-Level: 8
Title: Interior Design		
Module outcomes: Upon completion of this module the student should: <ul style="list-style-type: none"> 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) on-going research based on this may be critically evaluated; 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; identify, analyse, integrate and independently evaluate research in environmental psychology by executing a particular research survey; 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; 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. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: One examination per module.		
Module code: VKLE671	Semester 1 and 2	NQF-Level: 8
Title: Specialised Textile Studies		
Module outcomes: Upon completion of this module the student should be able to: <ul style="list-style-type: none"> 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; identify, analyse and critically evaluate with evidence-driven arguments research literature relevant to new developments in the textile field, and report on these; determine usefulness criteria for specifically chosen textile products; identify and apply suitable textile tests for the chosen textile and account for it in a report; and demonstrate an ethically correct attitude with regard to the manner in which the experimental work was done. 		

Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: One examination per module.		
Module code: VKLE672	Semester 1	NQF-Level: 8
Title: Advanced Fashion Industry		
Module outcomes: Upon completion of this module the student should: <ul style="list-style-type: none"> 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; identify, analyse and investigate complex problems and questions in the fashion retail purchasing environment, and offer evidence-driven solutions from theory-driven arguments; identify, analyse, integrate and independently evaluate fashion trend sources and information in order to apply it to a specific retail environment; and demonstrate in oral communication and personal decision-making the principles underlying marketing, as well as the support of international markets and various purchasing techniques. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: One examination per module.		
Module code: VNAM671	Semester 1 and 2	NQF-Level: 8
Title: Consumer Research Methods and Scientific Writing		
Module outcomes: Upon completion of this module the student should: <ul style="list-style-type: none"> 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; 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; identify, analyse, integrate and independently evaluate quantitative and qualitative data by executing a particular research survey; demonstrate effective skills at retrieving, processing, interpreting and integrating information with regard to academic literature relevant to consumer sciences; have extensive and systematic knowledge of the art, style and structure of scientific 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; be able to identify, analyse and critically to evaluate and justify with evidence-driven arguments research literature relevant to consumer sciences; and 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. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: One examination per module.		
Module code: VNAM671	Semester 1 and 2	NQF-Level: 8
Title: Research Project – Research Report – Presentation		
Module outcomes: Upon completion of this module the student should: <ul style="list-style-type: none"> demonstrate a coherent and critical comprehension with regard to the execution of research in consumer behaviour; select the most appropriate qualitative and quantitative research methods to scientifically investigate a research problem for the honours research project; 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; 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; 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 demonstrate an ethically correct attitude with regard to the manner in which they undertake and present consumer-directed study. 		
Mode of delivery: Fulltime / Part time – Contact.		
Module code: VVBG671	Semester 1 and 2	NQF-Level: 8
Title: Consumer Behaviour		
Module outcomes:		

<p>Upon completion of this module the student should:</p> <ul style="list-style-type: none"> 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; 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; 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; analyse and apply practically the approaches of various authors to the effects of external influences upon consumer behaviour; and critically analyse and evaluate different models of, and approaches to consumer decision-making, consumer socialising and market segmentation. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: One examination per module.		
Module code: VVDL672	Semester 1 and 2	NQF-Level: 8
Title: Food Product Development		
<p>Module outcomes:</p> <p>On completion of this module the student should be able to:</p> <ul style="list-style-type: none"> 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; identify a potentially new product; synthesise and integrate relevant information so that the potential product may be fully motivated; perform all aspects of the development process theoretically; suggest screening process and use SE as an instrument for this purpose; 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; develop a product in terms of the above-mentioned diagram and test its acceptability among consumers; suggest various launching methods; and present the complete project in a scientific fashion as a mini research project with a business plan in the form of a written report. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: One examination per module.		
Module code: VVDL673	Semester 1 and 2	NQF-Level: 8
Title: Consumer Behaviour in Food		
<p>Module outcomes:</p> <p>Upon completion of this module the student should:</p> <ul style="list-style-type: none"> 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; 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; 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; identify, analyse and critically evaluate and justify with evidence-driven arguments research literature relevant to the field of food; and 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. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: One examination per module.		
Module code: VVOO671	Semester 1 and 2	NQF-Level: 8
Title: Adult Education and Training		
<p>Module outcomes:</p> <p>Upon completion of this module the student should be able to:</p> <ul style="list-style-type: none"> demonstrate effective skills at retrieving, processing, interpreting and integrating information with regard to academic literature relevant to adult education and training; 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 empowerment; 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; demonstrate an ethically correct attitude towards the application of adult education and training; 		

<ul style="list-style-type: none"> 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; 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; 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; 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; study and analyse intervention research, compile your own intervention programme for a community, and present it with the required and appropriate resources; recommend and apply the latest methods for evaluation and assessment; give an overview of adult basic education and training (ABET) and learnerships as applied in South Africa; give an overview of adult basic education and training (not an in-depth study); as well as 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.
Mode of delivery: Fulltime / Part time – Contact.
Assessment methods: One examination per module

G.2.2 MASTERS DEGREES

Module code: CLNP811	Semester 1	NQF-Level: 9
Title: Clinical Pharmacy, Social Pharmacy, and Professional Practice		
Module outcomes: After completion of this unit the student should be able to: <ul style="list-style-type: none"> Elicit a complete patient history. Demonstrate a broad understanding of the components that form a laboratory result and the clinical application of these tests, with special reference to certain highlighted areas (e.g., diabetes mellitus, hyperlipidaemia, electrolyte imbalances, liver function tests, full blood count, and iron disorders). Communicate effectively with a wide range of audiences using a variety of methods including written, poster, oral and web-based presentations. Culminate and integrate social and clinical skills, evidence-based studying and patient-centred decision making in each individual case study. Participate in and contribute to a multi-disciplinary team 		
Mode of delivery: The programme is divided into four semesters (two study years). Each semester begins with a 5 day compulsory introductory workshop. It is followed up with 4 contact days each 8 weeks (compulsory).		
Assessment methods: Continuous assessment by means of: <ul style="list-style-type: none"> Assignments, group discussions, case study presentations, online tutorials (e-Fundi), practical assessments, written examination, and portfolio will be utilized as modes of outcome evaluation.		
Module code: CLNP812	Semester 1	NQF-Level: 9
Title: Clinical Epidemiology, Research Methodology, Biostatistics, and Evidence-based Medicine		
Module outcomes: After completion of this unit the student should be able to: <ul style="list-style-type: none"> Demonstrate an understanding for the classical "scientific method" and appropriate experimental design. Demonstrate an understanding of the statistical methods commonly employed in biomedical sciences, population distributions, and sampling. Understand and interpret experimental data in terms of their biological significance for the population as well as the individual patient. Create, design and explore a research question in a specialised area and evaluate this research with appropriate justification or create, design and explore a work-based learning project to evaluate an issue in practice. Demonstrate an acquired knowledge, understanding, and professional attitude in interpretation of clinical and epidemiological studies for use in patient health assessment. 		
Mode of delivery: The programme is divided into four semesters (two study years). Each semester begins with a 5 day compulsory		

introductory workshop. It is followed up with 4 contact days each 8 weeks (compulsory).		
Assessment methods: Continuous assessment by means of: <ul style="list-style-type: none"> • assignments, • feedback reports, • group discussions, • journal presentations, • online tutorials (e-Fundi), • practical assessments, and • written examination 		
Module code: CLNP821	Semester 2	NQF-Level: 9
Title: Clinical Pharmacotherapeutics and Therapeutic Outcomes Management II		
Module outcomes: After completion of this unit the student should be able to: <ul style="list-style-type: none"> • Demonstrate a basic understanding of the relationship between pathophysiologic principles and the clinical manifestations, diagnosis, prognosis and management of common diseases. • Demonstrate an in-depth knowledge of specialised areas of pharmacotherapy and have an appreciation of the current range of theoretical and research understanding in those areas. • Demonstrate knowledge of the anatomical and physiological factors which influence drug delivery and elimination of drugs. • Culminate and integrate social and clinical skills, evidence-based studying and patient-centred decision making in each individual case study. 		
Mode of delivery: The programme is divided into four semesters (two study years). Each semester begins with a 5 day compulsory introductory workshop. It is followed up with 4 contact days each 8 weeks (compulsory).		
Assessment methods: Continuous assessment by means of: <ul style="list-style-type: none"> • assignments, • feedback reports, • group discussions, • case study presentations, • journal presentations, • online tutorials (e-Fundi), • practical assessments, • written and oral examination, and • portfolio will be utilized as modes of outcome evaluation		
Module code: CLNP813	Semester 2	NQF-Level: 9
Title: Clinical Pharmacotherapeutics and Therapeutic Outcomes Management I		
Module outcomes: After completion of this unit the student should be able to: <ul style="list-style-type: none"> • Demonstrate a basic understanding of the relationship between pathophysiologic principles and the clinical manifestations, diagnosis, prognosis and management of common diseases. • Demonstrate an in-depth knowledge of specialised areas of pharmacotherapy and have an appreciation of the current range of theoretical and research understanding in those areas. • Demonstrate knowledge of the anatomical and physiological factors which influence drug delivery and elimination of drugs. • Culminate and integrate social and clinical skills, evidence-based studying and patient-centred decision making in each individual case study. 		
Mode of delivery: The programme is divided into four semesters (two study years). Each semester begins with a 5 day compulsory introductory workshop. It is followed up with 4 contact days each 8 weeks (compulsory).		
Assessment methods: Continuous assessment by means of: <ul style="list-style-type: none"> • assignments, • feedback reports, • group discussions, • case study presentations, • journal presentations, • online tutorials (e-Fundi), • practical assessments, • written and oral examination, and • portfolio will be utilized as modes of outcome evaluation.		
Module code: CLNP814	Semester 1	NQF-Level: 9
Title: Clinical Drug Toxicology, Drug Therapy in Oncology and the Management of Drug Abuse		
Module outcomes:		

<p>After completion of this unit the student should be able to:</p> <ul style="list-style-type: none"> • Demonstrate an understanding of the absorption, distribution, metabolism, and excretion processes of toxicants (toxicokinetics) • Demonstrate an understanding of target organ toxicity, typical mechanisms, and consequences involving specific organ systems • Describe methods involved in evaluation of toxic effects on selected organ systems • Demonstrate the ability to critically evaluate primary literature in pharmacology and toxicology • Culminate and integrate social and clinical skills, evidence-based studying and patient-centred decision making in each individual case study regarding toxicology, oncology and drug abuse. 		
<p>Mode of delivery: The programme is divided into four semesters (two study years). Each semester begins with a 5 day compulsory introductory workshop. It is followed up with 4 contact days each 8 weeks (compulsory).</p>		
<p>Assessment methods: Continuous assessment by means of:</p> <ul style="list-style-type: none"> • assignments, • feedback reports, • group discussions, • case study presentations, • journal presentations, • online tutorials (e-Fundi), • practical assessments, • written and oral examination, and • portfolio <p>will be utilized as modes of outcome evaluation.</p>		
Module code: CLNP873	Semester 2	NQF-Level: 9
Title: Mini-dissertation: Advanced Clinical Pharmacy		
<p>Module outcomes: After completion of this unit the student should be able to:</p> <ul style="list-style-type: none"> • Demonstrate specialist knowledge and critical understanding of clinical pharmacy to enable engagement with research in this practice. • Demonstrate understanding of principles, theories and techniques relevant to clinical pharmacy so that s/he can individually and under supervision, identify a complex and real-world clinical problem, undertake relevant literature survey, including the analyses, evaluation and integration of information and apply this to structured research and solve the problem. • Communicate effectively and ethically the research results in a scientifically acceptable article format and verbally presents this to specialist and non-specialist audiences, using supportive Information Technology. 		
Mode of delivery: Fulltime/part time – contact		
<p>Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.</p>		
Module code: FCHG871	Semester 1 and 2	NQF-Level: 9
Title: Pharmaceutical Chemistry		
<p>Module outcomes: After successful completion of this module, the student will demonstrate:</p> <ul style="list-style-type: none"> • advanced and specialised knowledge and critical understanding of aspects within a specialised discipline that is relevant to a research project in Pharmaceutical Chemistry, to specifically enable engagement with, and critique of, the content of the specialised discipline; • an ability to evaluate current processes of knowledge production within a specialised discipline in Pharmaceutical Chemistry and then to select an appropriate process of enquiry for the relevant area of specialisation in Pharmaceutical Chemistry to address an appropriate problem therein; • an ability to conduct a comprehensive review of leading and current research in an area of specialisation in Pharmaceutical Chemistry to produce a project that will delineate a significant research problem that needs elucidation; • under supervision, the ability to design, select and apply appropriate and creative qualitative and/or quantitative protocols and techniques to complex practical/theoretical problems with a view to solve a research problem or test a hypothesis; • under supervision, the ability to identify, conceptualise, design and implement methods of enquiry to address complex and challenging problems within a specialised discipline that is relevant to a research project in Pharmaceutical Chemistry; • under supervision, an ability to select and effectively apply a wide range of specialised skills and integrative knowledge in order to solve a research problem or test a hypothesis; • an ability to use the resources of academic discourses to communicate and defend substantial ideas that are the products of research in an area of specialisation that is relevant to a research project in Pharmaceutical Chemistry; • an ability to design and implement a strategy for the effective management of information with the use of appropriate technologies within an area of specialisation that is relevant to a research project in 		

<p>Pharmaceutical Chemistry;</p> <ul style="list-style-type: none"> the ability to use a range of advanced and specialised skills in an area of specialisation that is relevant to a research project in Pharmaceutical Chemistry, to offer innovative ideas to address problems, thereby effecting change within the area of specialisation in Pharmaceutical Chemistry; an ability to make autonomous ethical decisions which affect knowledge production or professional issues; ability to define and sustain professional development within the field of Pharmaceutical Chemistry by means of innovative research and critical thinking. 		
<p>Mode of delivery: 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, sub programme leaders and research director.</p>		
<p>Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.</p>		
<p>Assessment criteria Students have mastered the outcomes if they are able to:</p> <ul style="list-style-type: none"> produce advanced and specialised knowledge and display critical understanding of aspects within a specialised discipline that is relevant to a research project in Pharmaceutical Chemistry, to specifically enable engagement with and critique of the content of a specialised discipline; evaluate current processes of knowledge production within a specialised discipline in Pharmaceutical Chemistry and to select an appropriate process of enquiry for the relevant area of specialisation in Pharmaceutical Chemistry to address an appropriate problem therein; conduct a comprehensive review of leading and current research in an area of specialisation in Pharmaceutical Chemistry to produce a project that will delineate a significant research problem that needs elucidation; under supervision, design, select and apply appropriate and creative qualitative and/or quantitative protocols and techniques to complex practical/theoretical problems with a view to solve a research problem or test a hypothesis; under supervision, identify, conceptualise, design and implement methods of enquiry to address complex and challenging problems within a specialised discipline that is relevant to a research project in Pharmaceutical Chemistry; under supervision, select and effectively apply a wide range of specialised skills and integrative knowledge in order to solve a research problem or test a hypothesis; use the resources of academic discourses to communicate and defend substantial ideas that are the products of research in an area of specialisation that is relevant to a research project in Pharmaceutical Chemistry; design and implement a strategy for the effective management of information with the use of appropriate technologies within an area of specialisation that is relevant to a research project in Pharmaceutical Chemistry; use a range of advanced and specialised skills in an area of specialisation that is relevant to a research project in Pharmaceutical Chemistry, to offer innovative ideas to address problems, thereby effecting change within the area of specialisation in Pharmaceutical Chemistry; make autonomous ethical decisions which affect knowledge production or professional issues; define and sustain professional development within the field of Pharmaceutical Chemistry by means of innovative research and critical thinking. 		
Module code: FKL6871	Semester 1 and 2	NQF-Level: 9
Title: Pharmacology		
<p>Module outcomes: After completion of the module the student should be able to:</p> <ul style="list-style-type: none"> advanced/progressive/innovative and specialised knowledge and critical understanding with regard to the specialisation field within pharmacology according to the research project, to specifically enable engagement with and critique of the specialisation field within pharmacology according to the research project ; an ability to evaluate current processes of knowledge production within the field/discipline/practice of the specialisation field within pharmacology according to the research project and then to select an appropriate process of enquiry for the area of study/practice (give details) to address an appropriate problem therein; an ability to conduct a comprehensive review of leading and current research in the specialisation field within pharmacology according to the research project, to produce insights on the specialisation field within pharmacology according to the research project that will delineate/clarify/demarcate a significant research problem that needs elucidation; under supervision, the ability to design, select and apply appropriate and creative qualitative and/or quantitative methods, techniques, processes, technologies etc. to complex practical/ theoretical problems with a view to furthering skills/knowledge on the specialisation field within pharmacology according to the research project; under supervision, the ability to identify, conceptualise, design and implement methods of enquiry to address complex and challenging problems within the specialisation field within pharmacology according to the research project; under supervision, an ability to select and effectively use/apply a wide range of specialised skills in order to 		

<p>apply these to the specialisation field within pharmacology according to the research project; an ability to use the resources of academic / professional / occupational discourses to communicate and defend substantial ideas that are the products of research/knowledge production or development in the specialisation field within pharmacology according to the research project;</p> <ul style="list-style-type: none"> • an ability to design and implement a strategy/process for the effective processing/management of information with the use of appropriate technologies in the specialisation field within pharmacology according to the research project; • an ability to design/plan/implement interventions in the specialisation field within pharmacology according to the research project at an appropriate level within a system, based on an understanding of hierarchical relations within the system, and the ability to address the intended and unintended consequences of such interventions; • the ability to use a range of advanced and specialised skills in the specialisation field within pharmacology according to the research project and participate in discourses appropriate to the specialisation field within pharmacology according to the research project, to offer innovative ideas to address problems/issues/challenges), thereby affecting change within the discipline/focus etc. • an ability to make autonomous ethical decisions which affect knowledge production/research design/certain practices/ complex organisational or professional issues; • an ability to critically contribute to the development of ethical standards within the specialisation field within pharmacology according to the research project; • ability to define and sustain professional development within the field/practice of specialisation within pharmacology according to the research project and by means of this specialisation field. 		
<p>Mode of delivery: 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, sub programme leaders and research director.</p>		
<p>Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.</p>		
<p>Assessment criteria Students have mastered the outcomes if they are able to:</p> <ul style="list-style-type: none"> • display the ability to demonstrate specialised knowledge to enable engagement with and critique of current research or practices; and demonstrate an advanced scholarship or research in the specialisation field within pharmacology according to the research project; • display an ability to evaluate current processes of knowledge production and to choose an appropriate process of enquiry in the specialisation field within pharmacology according to the research project; • display an ability to design, select and apply appropriate and creative methods, techniques, procedures or technologies to complex practical and theoretical problems; • display an ability to use a wide range of specialised skills in identifying, conceptualising, designing and implementing methods of enquiry to address complex and challenging problems within the specialisation field within pharmacology according to the research project; and an understanding of the consequences of any solutions or insights generated within a specialised context; • display an ability to make autonomous ethical decisions which affect knowledge production or complex organisational or professional issues; also demonstrate an ability to critically contribute to the development of ethical standards in the specialisation field within pharmacology according to the research project; • display an ability to design and implement a strategy for the processing and management of information, in order to conduct a comprehensive review of leading and current research in the specialisation field within pharmacology according to the research project to produce significant insights; • display an ability to use the resources of academic and professional or occupational discourse to communicate and defend substantial ideas that are the products of research or development in the specialisation field within pharmacology according to the research project; and demonstrate advanced and specialised skills and discourses appropriate to the specialisation field within pharmacology according to the research project, to communicate to a range of audiences with different levels of knowledge or expertise; • display an ability to make interventions at an appropriate level within the system, based on an understanding of the hierarchical relations within the system; and the ability to address the intended and unintended consequences of interventions; • display an ability to develop own learning strategies which sustain independent learning and academic or professional development, and can interact effectively within the learning or professional group as a means of enhancing learning; • display an ability to operate independently and take full responsibility for his or her own work, and, where appropriate, to account for leading and initiating processes and implementing systems, ensuring good resource management and governance practices. 		
Module code: PHY5871	Semester 1 and 2	NQF-Level: 9
Title: Dissertation (Cardiovascular Physiology)		
<p>Module outcomes: At the end of the module the student should be able to:</p> <ul style="list-style-type: none"> • Depth of specialized knowledge and high levels of theoretical understanding in a complex and specialized 		

<p>area within the field of Cardiovascular Physiology and /or across specialized or applied areas and expand or redefine existing knowledge in the field of Cardiovascular Physiology.</p> <ul style="list-style-type: none"> Intellectual independence and advanced research skills through the ability to apply sophisticated knowledge and research methodologies to the solution of complex, unfamiliar problems in the field of Cardiovascular Physiology and the competence to integrate and apply theoretical knowledge and research findings within local and global contexts. Autonomous independent judgements about information and concepts at highly abstract levels and make evaluations on the basis of independently generated criteria. Show mastery of the literature and state of research in a specific area of Cardiovascular Physiology. Research leadership within a field of Cardiovascular Physiology or across disciplines to optimize all aspects of the research processes within complex and unpredictable contexts. High levels of responsibility, self-reflexivity and adaptability, with respect to the ethical implications of research in the field of Cardiovascular Physiology, the determination of socially relevant issues and research needs in South Africa, and the ability to relate these issues to international contexts. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Assessment criteria Students have mastered the outcomes if they are able to: <ul style="list-style-type: none"> Generate and display specialized knowledge and high levels of theoretical understanding in a complex and specialized area within the field of Cardiovascular Physiology and /or across specialized or applied areas and make an original contribution to the knowledge society in Cardiovascular Physiology; apply and develop intellectual independence and advanced research skills, sophisticated knowledge and research methodologies to the solution of complex, unfamiliar problems in the field of Cardiovascular Physiology; apply and develop competence to integrate and apply theoretical knowledge and research findings within relevant local and global contexts as well as across disciplines in Cardiovascular Physiology; generate, synthesize and evaluate information and concepts at highly abstract levels and make sound evaluations on the basis of independently generated criteria; show mastery of the literature by producing original insights into new and complex ideas, information and issues in a specific area of the Cardiovascular Physiology; plan, resource, manage and optimize all aspects of research processes within complex and unpredictable contexts in Cardiovascular Physiology. 		
Module code: FLGX873	Semester 1 and 2	NQF-Level: 9
Title: Mini-Dissertation (Occupational Hygiene)		
Module outcomes: On completion of the module the student should be able to: <ul style="list-style-type: none"> demonstrate advanced knowledge and skills to identify a relevant research question within the field of Occupational hygiene and safety; 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 interpret the research findings in a scientifically accountable manner and use them to compile a research report. 		
Mode of delivery: Fulltime – Contact.		
Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Module code: FLGX884	Semester 1 and 2	NQF-Level: 9
Title: Occupational Hygiene Monitoring B		
Module outcomes: On completion of this module, the student should be able to: <ul style="list-style-type: none"> estimate the health risk posed by certain environmental factors in the workplace; and identify, quantify and control such risk. 		
Mode of delivery: Fulltime – Contact.		
Assessment methods: Students will be assessed continuously with the purpose to build a participation mark through assignments, short tests and/or individual assessments on theoretical and practical aspects of the course. The participation mark will count 30% of the module mark. One examination paper will be written at the end of the module that will contribute 70% of the module mark.		
Module code: FLGX885	Semester 1 and 2	NQF-Level: 9
Title: Vibration, Heat and Ergonomic Factors		
Module outcomes: On completion of the module, the student should demonstrate knowledge with respect to the following aspects: <ul style="list-style-type: none"> identify poor ergonomic work practices as well as vibration and exposure to heat/cold; make relevant recommendations with regard to workplace design and the ergonomically correct handling of tools; and 		

<ul style="list-style-type: none"> demonstrate the necessary knowledge to protect workers against exposure to heat and cold by means of different physical methods as well as acclimatisation. 		
Mode of delivery: Fulltime – Contact.		
Assessment methods: Students will be assessed continuously with the purpose to build a participation mark through assignments, short tests and/or individual assessments on theoretical and practical aspects of the course. The participation mark will count 30% of the module mark. One examination paper will be written at the end of the module that will contribute 70% of the module mark.		
Module code: FLGX886	Semester 1 and 2	NQF-Level: 9
Title: Labour Legislation		
Module outcomes: On completion of the module the student should be able to: <ul style="list-style-type: none"> 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). 		
Mode of delivery: Fulltime – Contact.		
Assessment methods: Students will be assessed continuously with the purpose to build a participation mark through assignments, short tests and/or individual assessments on theoretical and practical aspects of the course. The participation mark will count 30% of the module mark. One examination paper will be written at the end of the module that will contribute 70% of the module mark.		
Module code: FLGX887	Semester 1 and 2	NQF-Level: 9
Title: Personal Protection Equipment and Radiation		
Module outcomes: After completion of the module, the student should be able to: <ul style="list-style-type: none"> identify and quantify the different types of radiation; and demonstrate the required knowledge to protect the worker in general against harmful environmental factors. 		
Mode of delivery: Fulltime – Contact.		
Assessment methods: Students will be assessed continuously with the purpose to build a participation mark through assignments, short tests and/or individual assessments on theoretical and practical aspects of the course. The participation mark will count 30% of the module mark. One examination paper will be written at the end of the module that will contribute 70% of the module mark.		
Module code: FMSG871	Semester 1 and 2	NQF-Level: 9
Title: Pharmaceutics		
Module outcomes: After successful completion of this module, the student will demonstrate: <ul style="list-style-type: none"> advanced and specialised knowledge and critical understanding of aspects within the specialisation field of the relevant research project in Pharmaceutics, to specifically enable engagement with and critique of the information within the area of specialisation. an ability to evaluate current processes of knowledge production within a specialisation field in Pharmaceutics and then to select an appropriate process of enquiry for the relevant specialisation field in Pharmaceutics to address an appropriate problem therein. an ability to conduct a comprehensive review of leading and current research in the relevant specialisation field of Pharmaceutics to produce a topic that will delineate a significant research problem that needs elucidation. under supervision, the ability to design, select and apply appropriate and creative quantitative methods to complex practical problems with a view to solve the problem in the relevant field of specialisation in Pharmaceutics. under supervision, the ability to identify, conceptualise, design and implement methods of enquiry to address complex and challenging problems within the specialisation field of Pharmaceutics relevant to the research project. under supervision, an ability to select and effectively apply a wide range of specialised skills in order to conduct experiments that produce new knowledge to answer a research question. an ability to design and implement a strategy for the effective processing of information with the use of appropriate technologies in the specialisation field of Pharmaceutics according to the research project. the ability to use a range of advanced and specialised skills in the specialisation field of Pharmaceutics relevant to the research project, to offer innovative ideas to address problems, thereby affecting change within the field of specialisation in Pharmaceutics. an ability to make autonomous ethical decisions which affect knowledge production or professional issues. ability to define and sustain professional development within the specialisation field of Pharmaceutics by means of continuous learning actions such as attending conferences and reading scientific articles. 		
Mode of delivery: 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, sub programme leaders and research director.		

Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Assessment criteria Students have mastered the outcomes if they are able to: <ul style="list-style-type: none"> • Generate advanced and integrated knowledge and exhibit critical understanding of aspects within the specialisation field of the relevant research project in Pharmaceutics and engage with and critique information within the area of specialisation; • evaluate current processes of knowledge production within a specialisation field in Pharmaceutics and select an appropriate process of enquiry for the relevant specialisation field in Pharmaceutics to address an appropriate problem therein; • conduct a comprehensive review of leading and current research in the relevant specialisation field of Pharmaceutics to produce a topic that will delineate a significant research problem that needs elucidation; • design, select and apply appropriate and creative quantitative methods under supervision to solve complex practical problems in the relevant field of specialisation in Pharmaceutics; • identify, conceptualise, design and implement methods of enquiry under supervision to address complex and challenging problems within the specialisation field of Pharmaceutics relevant to the research project; • select and effectively apply a wide range of specialised skills under supervision in order to conduct experiments that produce new knowledge to answer a research question; • design and implement a strategy for the effective processing of information with the use of appropriate technologies in the specialisation field of Pharmaceutics according to the research project; • use a range of advanced and specialised skills in the specialisation field of Pharmaceutics relevant to the research project, to offer innovative ideas to address problems, thereby affecting change within the field of specialisation in Pharmaceutics; • define and sustain professional development within the specialisation field of Pharmaceutics by means of continuous learning actions such as attending conferences and reading scientific articles. 		
Module code: FMWG871	Semester 1 and 2	NQF-Level: 9
Title: Dissertation: Pharmaceutical Sciences		
Module outcomes: After successful completion of this module, the student should demonstrate: <ul style="list-style-type: none"> • advanced knowledge and skill in the contextualisation and delimitation of a specific research problem after a thorough review of relevant and essential scientific literature; • the ability to systematically investigate a specific problem (or research question) through the implementation of an effective research design and research methods, including the ability to plan, resource, manage and optimise all aspects of the research process; • the ability to identify and consider ethical implications of research as well as the determination of socially relevant issues and research needs within the field of the Pharmaceutical Sciences in South Africa; • scientific communication skills via the development of a comprehensive report on a research project in the format of a dissertation and research articles suitable for publication in peer-reviewed journals; • the ability to work in a disciplinary and/or multi-disciplinary team, group, organisation or community towards achieving specified goals; • the ability to evaluate information and concepts in the broader field of Pharmaceutical sciences and related fields and create responses to problems that lead to creation of new knowledge or expansion of existing knowledge and/or improvement of processes; • integration and critical application of theoretical knowledge and research findings within relevant local contexts as well as across disciplines to provide solutions to problems in the workplace; and • the ability to utilise technology for the development or evaluation of products within the Pharmaceutical and related industries. 		
Mode of delivery: Fulltime/part time – contact.		
Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Assessment criteria Students have mastered the outcomes if they are able to: <ul style="list-style-type: none"> • demonstrate advanced knowledge and skill in the contextualisation and delimitation of a specific research problem after a thorough review of relevant and essential scientific literature; • demonstrate the ability to systematically investigate a specific problem (or research question) through the implementation of an effective research design and research methods, including the ability to plan, resource, manage and optimise all aspects of the research process; • demonstrate the ability to identify and consider ethical implications of research as well as the determination of socially relevant issues and research needs within the field of the Pharmaceutical Sciences in South Africa; • demonstrate scientific communication skills via the development of a comprehensive report on a research project in the format of a dissertation and research articles suitable for publication in peer-reviewed journals; • demonstrate the ability to work in a disciplinary and/or multi-disciplinary team, group, organisation or community towards achieving specified goals; • demonstrate the ability to evaluate information and concepts in the broader field of Pharmaceutical sciences 		

<p>and related fields and create responses to problems that lead to creation of new knowledge or expansion of existing knowledge and/or improvement of processes;</p> <ul style="list-style-type: none"> • demonstrate integration and critical application of theoretical knowledge and research findings within relevant local contexts as well as across disciplines to provide solutions to problems in the workplace; and • demonstrate the ability to utilise technology for the development or evaluation of products within the Pharmaceutical and related industries. 		
Module code: FPHA811	Semester 1 and 2	NQF-Level:9
Title: Applied Pharmacoeconomics		
<p>Module outcomes: After completion of the programme the student should</p> <ul style="list-style-type: none"> • demonstrate advanced and comprehensive specialist knowledge of pharmaco-economic analytical principles and methods; • have the ability to apply appropriate pharmaco-economic analytical techniques scientifically in order to identify and solve a specific problem; and • 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. 		
<p>Mode of delivery: 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>Assessment methods: Students will write one examination. There will also be a second opportunity if the student did not pass the first opportunity.</p>		
Module code: FPHA812	Semester 1 and 2	NQF-Level: 9
Title: Applied Pharmacoepidemiology		
<p>Module outcomes: After completion of the module the student should</p> <ul style="list-style-type: none"> • have advanced and comprehensive specialist knowledge of certain epidemiological and pharmaco-epidemiological principles, concepts and techniques, as well as of evidence-based medicine; • demonstrate the ability to plan and apply/propose appropriate epidemiological research designs in the field of medicine consumption; • 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 • 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. 		
<p>Mode of delivery: 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>Assessment methods: Students will write one examination. There will also be a second opportunity if the student did not pass the first opportunity.</p>		
Module code: FPHA872	Semester 1 and 2	NQF-Level: 9
Title: Dissertation (Pharmacy Practice)		
<p>Module outcomes: After completion of the module the student should be able to:</p> <ul style="list-style-type: none"> • 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; • interpret and integrate research results in a scientifically accountable manner and compile a research report out of it; and • communicate research results in a scientific and ethical way – orally and in writing. 		
<p>Mode of delivery: Complete a research project under the guidance of a supervisor/s.</p>		
<p>Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.</p>		
Module code: FPHA813	Semester 1	NQF-Level: 9
Title: Research methodology and introductory biostatistics		
<p>Module outcomes: After completion of the module the student should be able to:</p> <ul style="list-style-type: none"> • Demonstrate appropriate knowledge and skills to identify a relevant research problem in pharmacy practice research. • Apply basic qualitative and quantitative research concepts, methods and processes via the formulation of a research question, and the development of a research proposal in the prescribed format, while addressing requirements for good ethical practice; • Understanding of basic concepts and methods of data analysis and the interpretation of statistical results in pharmacy and clinical practice; • Identify the appropriate graphical and statistical methods to use for summarisation, description, estimation 		

<p>and hypothesis-testing of a given data set.</p> <ul style="list-style-type: none"> • Present results of statistical analyses in an appropriate format suitable for publication. • Critically evaluate published research papers and projects, being aware of problems of design, analyses and interpretation. • Demonstrate the necessary skills to interpret and communicate the results and limitations of statistical analyses in both technical and non-technical terms. • Develop a research protocol. 		
Mode of delivery: Fulltime/Part time – Contact		
<p>Assessment methods:</p> <p>Evaluation methods include independent assignments as well as a final examination at the end of the semester. There will be a number of independent assignment(s) for most of the study units throughout the semester. The marks that you earn with all assignments will earn you a participation mark.</p> <p>The final (module) mark for this module will consist of the following: Participation mark (50%) and Examination (50%). Criteria for admission to the examination are a 50% participation mark. In order to successfully complete the course, you must obtain a module (final) mark of 50%.</p>		
Module code: FPHA814	Semester 1	NQF-Level: 9
Title: Disease Management		
<p>Module outcomes:</p> <p>After completion of the module the student should be able to:</p> <ul style="list-style-type: none"> • Interact effectively within the learning group and inter professional health team within the context of lifestyle disease management • Demonstrate an advanced and comprehensive scientific knowledge of life style diseases to specifically enable engagement with and critique of underlying socioeconomic, cultural and environmental determinants • Demonstrate the ability to plan and apply appropriate and creative qualitative and/or quantitative methods to complex practical and theoretical problems regarding lifestyle disease management • Show the ability to make autonomous ethical decisions, that may affect knowledge production or complex organisational and professional issues • Critically contribute to the development of ethical standards in lifestyle disease management • Conduct a comprehensive literature review of leading and current research in lifestyle disease management • Analyse current lifestyle disease scenarios and design and implement a strategy for the processing of information and management of lifestyle diseases based on the analysis • Communicate effectively with a wide range of audiences using a variety of methods including written, poster, oral and web-based presentations 		
Mode of delivery: Fulltime/Part time – Contact		
<p>Assessment methods:</p> <p>Evaluation methods include a number of independent assignments as well as a final examination at the end of the semester. The marks of the independent assignments will contribute to the participation mark. The final (Module) mark for the module will consist of the participation mark (50%) and a written examination (50). In order to be successfully complete the module, the student will have to obtain a module (final) mark of 50%. A subminimum of 50% for the final examination is required.</p>		
Module Code: GRTL873	Semester 1 and 2	NQF-Level: 9
Title: Mini-dissertation (Gerontology)		
<p>Module outcomes:</p> <p>At the end of the module the student should be able to demonstrate:</p> <ul style="list-style-type: none"> • The ability to conduct independent research in the field of health promotion within a transdisciplinary context that use a range of skills to identify, analyse and address complex and abstract problems 		
Mode of delivery: Fulltime / Part time		
<p>Assessment methods:</p> <p>Examiners will be appointed according to NWU policies and Faculty rules/guidelines.</p>		
Module Code: GRTL813	Semester 1 and 2	NQF-Level: 9
Title: Population ageing and policies		
<p>Module outcomes:</p> <p>At the end of the module the student should be able to demonstrate:</p> <ul style="list-style-type: none"> • knowledge and critical understanding of international and national policies and frameworks on population ageing. • Knowledge and engagement which reflects an understanding of the policies and trends in Sub-Saharan Africa on fertility, mortality and migration. • The ability to engage in dialogue on challenges regarding the aging demographics 		
Mode of delivery: Fulltime / Part time		
Assessment methods: Continuous formative and summative assessments and final written examination.		
Module Code: GRTL814	Semester 1 and 2	NQF-Level: 9
Title: Bio-medical and social theories		
<p>Module outcomes:</p> <p>At the end of the module the student should be able to demonstrate:</p>		

<ul style="list-style-type: none"> an understanding of key theoretical and conceptual approaches from a bio-medical perspective regarding the complex realities of older people in South Africa an understanding of key theoretical and conceptual approaches from a social science perspective in the complex realities of older people in South Africa 		
Mode of delivery: Fulltime / Part time		
Assessment methods: Continuous formative and summative assessments and final written examination.		
Module Code: GRTL815	Semester 1 and 2	NQF-Level: 9
Title: Quality of life and well-being of older persons		
Module outcomes: At the end of the module the student should be able to: <ul style="list-style-type: none"> Identify the strengths and contributions of older persons to deal with complex realities; Promote positive ageing 		
Mode of delivery: Fulltime / Part time		
Assessment methods: Continuous formative and summative assessments and final written examination.		
Module Code: GRTL816	Semester 1 and 2	NQF-Level: 9
Title: Gerontological interventions		
Module outcomes: At the end of the module the student should be able to: <ul style="list-style-type: none"> identify the current and emerging needs of individuals and communities related to the ageing process from a bio-medical or social sciences perspective in terms of cross-cutting issues such as poverty, intergenerational relations and gender. Draw valid, reliable and relevant conclusions from a needs or asset-based approach; Develop appropriate micro-, meso- or macro level-interventions 		
Mode of delivery: Fulltime / Part time		
Assessment methods: Continuous formative and summative assessments and final written examination.		
Module code: MBWM871	Semester 1 and 2	NQF-Level: 9
Title: Human Movement Sciences (Dissertation)		
Module outcomes: After completion of the Human Movement Sciences qualification, the student should demonstrate: <ul style="list-style-type: none"> advanced/progressive/innovative and integrated knowledge and specialized understanding with regard to human movement, to specifically enable engagement with and critique of all physiological, psychological, development and growth, lifestyle related diseases and prevention of disease related to optimized health and performance in human movement science; an ability to evaluate current processes of knowledge production within the field of human movement science and then to select an appropriate process of enquiry for the area of study to address an appropriate problem therein; an ability to conduct a comprehensive review of leading and current research in the area of specialization within human movement science to produce mechanisms, epidemiological and effects of physical activity that will delineate/clarify/demarcate a significant research problem that needs elucidation; under supervision, the ability to design, select and apply appropriate and creative qualitative and/or quantitative methods, techniques, processes, and/or technologies to complex practical and/or theoretical problems with a view to the human body in movement; under supervision, the ability to identify, conceptualize, design and implement appropriate methods of enquiry to address complex and challenging problems within Human movement science; under supervision, an ability to select and effectively use/apply a wide range of specialized skills in order to capture data in Human Movement Science; an ability to use the resources of academic / professional / occupational discourses to communicate and defend substantial ideas that are the products of research/knowledge production or development in an area of specialization within Human Movement Sciences; an ability to design and implement a strategy/process for the effective processing/management of information with the use of appropriate technologies an ability to design/plan/implement physical activity, exercise, behavioural change and motor control and development interventions at an appropriate level within a system, based on an understanding of hierarchical relations within the system, and the ability to address the intended and unintended consequences of such interventions; the ability to use a range of advanced and specialized skills and participate in discourses appropriate to Human Movement Science, to offer innovative ideas to address problems/issues/challenges, thereby affecting change within the discipline. an ability to make autonomous ethical decisions which affect knowledge production/research design/sport and health related practices or professional issues; an ability to critically contribute to the development of ethical standards within Human Movement Science; ability to define and sustain professional development within the field of Human Movement Science by means of continued professional development. 		

Mode of delivery: Fulltime/contact. No modules are presented "online" or presented from one campus to students on another campus.		
Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Assessment criteria: Students have mastered the outcomes if they are able to: <ul style="list-style-type: none"> demonstrate specialist knowledge and specialized understanding of current research that is directed at human movement, specifically indicating engagement with and critique of all aspects related to Human Movement Science; demonstrate an ability to evaluate current processes of knowledge production within the field of human movement science and the selection of appropriate process of enquiry for the area of study to address an appropriate problem therein; demonstrate a command of and ability to design, select and apply appropriate and creative qualitative and/or quantitative methods, techniques, processes, and/or technologies to complex practical and/or theoretical problems with a view to the human body in movement; demonstrate the ability to identify, conceptualize, design and implement appropriate methods of enquiry to address complex and challenging problems within Human movement science and the ability to select and effectively use/apply a wide range of specialized skills in order to capture data in Human Movement Science; demonstrate the ability to use the resources of academic / professional / occupational discourses to communicate and defend substantial ideas that are the products of research/knowledge production or development in an area of specialization within Human Movement Sciences; demonstrate an ability to design and implement a strategy/process for the effective processing/management of information with the use of appropriate technologies and to design/plan/implement physical activity, exercise, behavioural change and motor control and development interventions at an appropriate level within a system, based on an understanding of hierarchical relations within the system, and the ability to address the intended and unintended consequences of such interventions; demonstrate the ability to use a range of advanced and specialized skills and participate in discourses appropriate to Human Movement Science, to offer innovative ideas to address problems/issues/challenges, thereby affecting change within the discipline. demonstrate the ability to make autonomous ethical decisions which affect knowledge production/research design/sport and health related practices or professional issues and contribute to the development of ethical standards in Human Movement Science; demonstrate an ability to operate independently and take full responsibility for his or her own work, and where appropriate, to account for leading and implementing good governance. 		
Module code: MWKF873	Semester 2	NQF-Level: 9
Title: Mini-dissertation (Social Work – Forensic Practice)		
Module outcomes: After the completion of the module the student must be able to: <ul style="list-style-type: none"> interpret research results and write a research submission and a research report. 		
Mode of delivery: Fulltime / Part-time – Contact.		
Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Module code: MWKC874	Semester 2	NQF-Level: 9
Title: Alternative care		
Module outcomes: On completion of the module, the candidates should be able to demonstrate: <ul style="list-style-type: none"> execute alternative care within the framework of South African child care legislation and policy; plan and implement intervention strategies for the different forms of alternative care; provide supervision to social workers in the field of alternative care; critically judge the ethical and professional conduct of self and others within the intervention environment of social work, and to effect change in conduct where necessary; and an accurate, coherent and appropriate presentation and communication of innovative professional ideas or findings with understanding of and respect for intellectual property conventions, copyright and rules on plagiarism. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: Written assignments and a portfolio. Practical assignments will also be included in the form of presentations/oral assignments for this module. It will also be expected to complete group assignments. Final written examination. Formal assessments, including presentation of practical assessment 50%; summative assessment 50% (1:1)		
Module code: MWKC875	Semester 2	NQF-Level: 9
Title: Adoption		
Module outcomes: On completion of the module, the candidates should be able to demonstrate: <ul style="list-style-type: none"> execute adoption services within the appropriate legislative mandate relevant to adoption; plan and implement adoption services; 		

<ul style="list-style-type: none"> • use a range of specialised skills in identifying, conceptualising and implementing appropriate methods of inquiry to address complex problems within the field of adoption services; and • make autonomous ethical decisions within the academic and the professional environment and critically contribute to the development of ethical standards in the context of the protection of children. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: Written assignments and a portfolio. Practical assignments will also be included in the form of presentations/oral assignments for this module. It will also be expected to complete group assignments. Final written examination. Formal assessments, including presentation of practical assessment 50%; summative assessment 50% (1:1).		
Module code: MWKF876	Semester 1	NQF-Level: 9
Title: General Child Assessment		
Module outcomes: On completion of the module, the candidates should be able to demonstrate: <ul style="list-style-type: none"> • understand and apply the role of child assessment during the process of investigating alleged sexual abuse and physical battering; • 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; • 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; • understand the effect of trauma on the child's development and identify dissociation, and understand and interpret its impact on the intervention process. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: Individual assignments and group assignments. Written examination and practical examination. Formal assessment 50% and summative assessment 50% (1:1)		
Module code: MWKF877	Semester 1	NQF-Level: 9
Title: Sexual Abuse and Physical Battering		
Module outcomes: On completion of the module the candidates should be able to demonstrate: <ul style="list-style-type: none"> • identify possible aspects in the family dynamics that may contribute to possible sexual abuse of the child; • observe and explain the bonding between parent and child, and also between the transgressor and the child; • recognise the dynamics of the sexual transgressor and conduct an interview with the alleged transgressor as part of the investigation process; • explain and understand medical findings in the context of each case that is investigated; • understand the process of disclosing facts by the child and also to explain it to the court; and • recognise the difference between true and false statements. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: The student must submit individual and group assignments. Practical assignment will also be included. Assess 5 children pre forensic. Written and practical examination.		
Module code: MWKF878	Semester 2	NQF-Level: 9
Title: Trauma assessment and investigation process		
Module outcomes: On completion of the module, the candidates should be able to demonstrate: <ul style="list-style-type: none"> • 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; • identify dissociation in the child and explain its impact on the child's statement; • 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; • execute an interactional analysis within the dynamics of sexual abuse successfully; and • conduct a full forensic interview. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: Individual assignments and group assignments. Written examination and practical examination. Formal assessment 50% and summative assessment 50% (1:1).		
Module code: MWKF879	Semester 2	NQF-Level: 9
Title: Legislation, report writing and the social worker as expert in criminal- and children court		
Module outcomes: On completion of the module, the student should be able to demonstrate: <ul style="list-style-type: none"> • compile a court report and act as an expert witness in court in cases of sexual abuse; • enter the court well prepared and testify with conviction; • 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 		

<ul style="list-style-type: none"> explain to the court, with the aid of literature, the function of the assessment techniques; and to prepare the child for court. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: Individual assignments and group assignments. Written examination and practical examination. Formal assessment 50% and summative assessment 50% (1:1).		
Module code: MWKF880	Semester1 and 2	NQF-Level: 9
Title: Research theory		
Module outcomes: On completion of the module, the candidates should be able to demonstrate: <ul style="list-style-type: none"> describe the nature, purpose and necessity of social work research; explain the ethical aspects of social work research and to differentiate between the different roles of the social work researcher; manage the research process in social work; discuss the nature and purpose of the preliminary investigation; apply the principles of sampling and the types of samples in practice; differentiate between the various research designs and procedures and to apply them in practice; and demonstrate an understanding of the nature and value of and measurement in social work research and apply the procedures of measurement. 		
Mode of delivery: Fulltime / Part time – Contact / Distance.		
Assessment methods: Written assignments and a portfolio. Practical assignments will also be included in the form of presentations/oral assignments for this module. It will also be expected to complete group assignments as well as a mini dissertation. (1:1) Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Module code: MWKK873	Semester1 and 2	NQF-Level: 9
Title: Mini-dissertation (Child Protection)		
Module outcomes: After the completion of this module the student should be able to: <ul style="list-style-type: none"> interpret research results and write a research proposal and a research report. 		
Mode of delivery: Fulltime / Part-time – Contact / Distance.		
Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Module code: MWKK874	Semester 1	NQF-Level: 9
Title: Child Protection as Field of Service		
Module outcomes: After the completion of the module the student should be able to: <ul style="list-style-type: none"> describe the nature and character of the field of child protection in South Africa; identify the role players in the field of child protection in South Africa; demonstrate familiarity with the policy documents, and legislation that give shape to the field of child protection in South Africa; and apply the norm of the best interests of the child, taking the rights of the child into consideration, in each unique situation. 		
Mode of delivery: Part-time – Contact		
Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Module code: MWKK875	Semester 1	NQF-Level: 9
Title: Children as a Vulnerable Group		
Module outcomes: After the completion of the module the student should be able to: <ul style="list-style-type: none"> discuss the development of the child within the perspective of the ecosystem; identify and investigate the problem of child abuse and neglect; explain, compare and apply different child assessment models and frameworks; and identify the different vulnerable child groups and develop service and intervention plans. 		
Mode of delivery: Part-time – Contact.		
Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Module code: MSWR871	Semester 1 and 2	NQF-Level: 9
Title: Dissertation (Social Work)		
Module outcomes: After completion of the module the student should be able to demonstrate: <ul style="list-style-type: none"> specialist knowledge and understanding to engage and critique research and practices within the applied field of Social Work and to contribute to disciplined thinking about Social Work matters and issues. an ability to evaluate current processes of knowledge production in the field of Social Work and to choose appropriate processes of inquiry for in the area of specialisation. a command of and ability to design, select and apply appropriate and creative methods, techniques, procedures or technologies to complex practical and theoretical problems in the context of Social Work. 		

<ul style="list-style-type: none"> the ability to conduct independent inquiry in the problem areas within the specialised field of Social Work and to report their findings in academically appropriate ways. an ability to make autonomous ethical decisions which affect knowledge production or complex organisational or professional issues; also demonstrate an ability to critically contribute to the development of ethical standards in a specific Social Work context. the ability to conduct independent inquiry in a specialised field of Social Work, and to access, process and manage information and to report their findings in academically appropriate ways. the ability to initiate academic and professional discourse with regards to research. academic leadership in the field of Social Work, training and development. high levels of responsibility, self-reflexivity and adaptability, with respect to the ethical implications of research, the determination of socially relevant issues and research needs in South Africa. 		
Mode of delivery: Part time – Contact.		
Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Assessment criteria Candidates have mastered the outcomes if they are able to: <ul style="list-style-type: none"> display specialist knowledge to enable engagement and critique of current research and practices within the applied field of Social Work and to engage in systematic and disciplined thinking about social work matters and issues, with particular reference to their area(s) of specialisation; apply and develop intellectual independence and advanced research skills and sophisticated knowledge to the solution of complex, unfamiliar problems in the field of Social Work; apply and develop advanced research skills and research methodologies to the solution of complex, unfamiliar problems in the field of Social Work; analyse and apply specialised problem solving skills in identifying, conceptualising, designing and implementing methods of inquiry to address complex and challenging problems within the field of Social Work with specific reference to their specialisation area; design and implement a strategy for the processing and management of information, in order to conduct a comprehensive review of leading and current research in an area of specialisation to produce significant insights; engage and initiate in academic and Social Work discourse to report and defend substantial ideas that are the results of research in an area of specialisation; plan, manage and optimise all aspects of research processes within complex and unpredictable contexts in Social Work as academic leaders with regard to Social Work; apply high levels of responsibility, self-reflexivity and adaptability in own management of learning and analyse and evaluate ethical implications of research on socially relevant issues and research needs in South Africa. 		
Module code: NUTE874	Semester 1 and 2	NQF-Level: 9
Title: Nutritional Epidemiology		
Module outcomes: <ul style="list-style-type: none"> After completion of module the student will demonstrate: Specialist knowledge to enable engagement with, review and critique of current nutritional epidemiology research and practice; A command of and ability to synthesise epidemiological research strategies by evaluating appropriate epidemiological research methods to address challenging and complex nutrition-related issues in the South African context; A command of and ability to critically evaluate nutritional epidemiology data using appropriate statistical methodology to assess nutrition-related disease risk; Effectively integrate academic research into a personal value system to be able to enter into scientific discourse, both in written and oral format, about topical and current nutrition-related epidemiological research; An ability to make autonomous ethical decisions, operate independently and take full responsibility for her/his own work. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: Written assignments, class activities, group- and/or individual work and a formal examination. Assessment for a participation mark is done according to the prescriptions in the study guide. Formative assessment: 60% and Summative assessment: 40%.		
Assessment criteria The student will prove that he/she has attained the outcomes of the module when he/she can: <ul style="list-style-type: none"> Choosing and applying appropriate processes of enquiry through critical evaluation of current nutritional epidemiology research; Selecting and designing appropriate epidemiological research methods to address challenging and complex nutrition-related issues in the South African context; Selecting and applying an appropriate statistical strategy to a data set; Evaluating nutrition-related disease risk; Making and applying autonomous decisions in line with ethical principles; Taking full responsibility for the work he/she deliver. 		

Module code: NUTN871	Semester 1 and 2	NQF-Level: 9
Title: Dissertation (Nutrition)		
Module outcomes: Upon completion of this module the student should: <ul style="list-style-type: none"> • Possess specialist knowledge and understanding to engage and critique Nutrition research and practices within the field of Nutrition and /or and to contribute to disciplined thinking about Nutritional matters and issues. • Demonstrate an ability to evaluate current processes of knowledge production in the field of Nutrition and to choose appropriate processes of enquiry for in the area of specialisation. • Demonstrate the ability to conduct independent inquiry in a specialised field of Nutrition, training or development, and to report their findings in academically appropriate ways. • Exhibit the potential to act as academic leaders and experts in the field of Nutrition. • Possess high levels of responsibility, self-reflexivity and adaptability, with respect to the ethical implications of research, the determination of socially relevant issues and research needs in South Africa. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Assessment criteria Students have mastered the outcomes if they are able to: <ul style="list-style-type: none"> • display specialist knowledge to enable engagement and critique of current research and practices within the field of Nutrition and to engage in systematic and disciplined thinking about Nutrition matters and issues, with particular reference to their area(s) of specialisation; • apply and develop intellectual independence and advanced research skills, sophisticated knowledge and research methodologies to the solution of complex, unfamiliar problems in the field of Nutrition; • analyse and apply specialised problem solving skills in identifying, conceptualising, designing and implementing methods of enquiry to address complex and challenging problems within a field of Nutrition with specific reference to their specialisation area; • design and implement a strategy for the processing and management of information, in order to conduct a comprehensive review of leading and current research in an area of specialisation to produce significant insights; • engage and initiate an academic and Nutritional discourse to report and defend substantial ideas that are the results of research in an area of specialisation; • plan, manage and optimise all aspects of research processes within complex and unpredictable contexts in Nutrition as academic leaders and experts in the field of Nutrition; • apply high levels of responsibility, self-reflexivity and adaptability in own management of learning and analyse and evaluate ethical implications of research on socially relevant issues and research needs in South Africa. 		
Module code: NUTM873	Semester 1 and 2	NQF-Level: 9
Title: Mini-dissertation (Dietetics)		
Module outcomes: On completion of the module the student should be able to: <ul style="list-style-type: none"> • Demonstrate advanced knowledge and skills to identify a relevant research question within the field of Nutrition; • Understand the relationship between data and specific analysis techniques; Identify a researchable topic; • Identify appropriate hypotheses and develop a research proposal in line with substantive theoretical or empirical foundations and ethical considerations; • Conduct basic research, using applicable qualitative, quantitative or a combination of both research methods ; • Submit a research report in either dissertation/book or article format. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Assessment criteria Students have mastered the outcomes if they are able to: <ul style="list-style-type: none"> • Generate and display critical knowledge and theoretical understanding in a specialised area within the field of Nutrition; • Critically formulate a research problem and hypotheses within the context of sound paradigmatic foundations and propose appropriate research methodology and data analysis techniques that can be used to solve the problem; • Write a comprehensive research proposal based on sound methodological basis and ethical considerations; • Implement the research proposal; • Develop a credible manuscript in the form of an article or dissertation and submit it for examination purposes. 		
Module code: NUTP874	Semester 1 and 2	NQF-Level: 9
Title: Public Health Nutrition		
Module outcomes: After completing this module you will:		

<ul style="list-style-type: none"> Critically review the complex relationships between nutrition and health, both under- and overnutrition. These include the nutrition transition in developing countries, the extra vulnerability of developing populations to chronic diseases, the double burden of disease, global and South African prevalence. The student must also identify the factors contributing to food and nutrition security and address the influence of food security on nutritional status. The student must evaluate the appropriateness of the South African Food-Based Dietary Guidelines to promote optimal nutrition critically. Use relevant skills in the field of nutrition epidemiology to interpret epidemiological and statistical concepts and the relevance thereof in public health nutrition programmes. Use specialised skills in the field of the assessment of nutritional status in a public health setting in the interpretation of dietary intake, anthropometrical and biochemical nutritional status data in epidemiology. Integrate knowledge of the prevalence and physiological basis of the most pertinent public health nutrition problems in South Africa. Apply the public health nutrition cycle to develop a programme that offers innovative solutions to the chosen public health nutrition problem. Address ethical issues and make ethical decisions about the chosen intervention; Formulate steps in the implementation and evaluation of the chosen public health nutrition problems and Effective scientific communication of the process to a range of audiences, from fellow scientists to community members, offering creative insights and appropriate solutions. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: Written assignments, class activities, group- and/or individual work and a formal examination. Assessment for a participation mark is done according to the prescriptions in the study guide. Formative assessment: 50% and Summative assessment: 50%.		
Assessment criteria The student reached the outcomes if he/she: <ul style="list-style-type: none"> Can analyse the complex relationships between nutrition and health within the nutrition transition in developing countries, in the context of the extra vulnerability of developing populations to chronic diseases and the double burden of disease. Can integrate factors contributing to food and nutrition security and evaluate the influence of food security on nutritional status. Can critically evaluate the appropriateness of South African nutrition-related policies, programmes and guidelines to promote optimal nutrition and participate in the development of new policies, programmes and guidelines. Applies relevant methods in the field of nutrition epidemiology to interpret epidemiological and statistical concepts and the relevance thereof in public health nutrition programmes. Can evaluate and propose methods for the assessment of nutritional status in a public health setting. Integrates knowledge of the prevalence and physiological basis of the most pertinent public health nutrition problems in South Africa. Applies at an advanced level the evidence-based public health nutrition cycle in an assignment in a typical South African setting. Effectively communicate the process using appropriate scientific and professional discourse. Critically reflects on ethical issues related to public health nutrition interventions. 		
Module code: NUTA875	Semester 1 and 2	NQF-Level: 9
Title: Advanced Nutrition		
Module outcomes: Upon completion of this module the student should: <ul style="list-style-type: none"> Have an advanced understanding of the “evidence-based” process used to substantiate health claims or public health recommendations and be able to motivate the contribution of different types of study designs in this process. Have partly experienced the “evidence-based” process by conducting a qualitative systematic review on a specific topic through: A complete systematic gathering and review of all the published papers on a specific topic; Critical evaluation of the quality of the research methodology in the published papers; Interpretation of the evidence and making of responsible evidence-based conclusions and recommendations and Scientific communication of the process and the evidence (written). 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: Written assignments, class activities, group- and/or individual work and a formal examination. Assessment for a participation mark is done according to the prescriptions in the study guide. Formative assessment: 50% and Summative assessment: 50%.		
Assessment criteria The outcomes are achieved if the students are able to: <ul style="list-style-type: none"> describe the role evidence based science plays in the creation of health claims or public health recommendations. They should also be able to explain the role different study designs play in this process. 		

<ul style="list-style-type: none"> write the results and discussion section of a systematic review by: <ul style="list-style-type: none"> firstly finding all articles published on the selected topic using a variety of the appropriate electronic databases and then to illustrate this process by creating a clear search strategy, describing the process. creating a data extraction form, with clear headings as to which data should be extracted from the papers extracting the results of the papers by interpreting the evidence as depicted in results tables and text of these papers. assessing the quality of the identified papers through the use of an appropriate quality scoring criteria. interpreting the evidence by writing a structured discussion in which they summarise the main results, explain discrepancies between the included studies, describe the underlying physiological mechanisms, give advice to the public and suggest further research. 		
Module code: NUTS876	Semester 1 and 2	NQF-Level: 9
Title: Sport Nutrition		
Module outcomes: After successful completion of the VOED876 module, you will be able to demonstrate: <ul style="list-style-type: none"> an ability to apply a range of different but appropriate practical skills to collect the relevant information and assess the nutritional status of recreational-to-elite level athletes participating in different sporting codes with the aim to determine their specific nutritional requirements for optimal training and competition; a comprehensive knowledge and understanding to analyse and critically evaluate complex situations regarding dietary and supplement intakes in recreational-to-elite level athletes participating in different sporting codes with the aim to suggest justified improvements for optimal health and performance; the ability to select and apply scientific methods to do focused sports nutrition-related research (e.g. literature review), to critically evaluate and integrate the information and communicate appropriate recommendations and interventions via effective modes of communication (e.g. scientific research reports, PowerPoint presentations, nutrition reports); an ethically and professionally sound approach to the management and implementation of sports nutrition services to athletes and their coaches. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: Tests, theoretical case study, reports, literature review, presentation and a formal examination. Assessment for a participation mark is done according to the prescriptions in the study guide. Formative assessment: 50% and Summative assessment: 50%		
Assessment criteria The outcomes will be achieved if you are able to: <ul style="list-style-type: none"> accurately assess the nutritional status and determine the specific nutritional requirements of recreational-to-elite level athletes participating in different sporting codes; optimise the dietary and supplement intake of recreational-to-elite level athletes participating in different sporting codes by means of dietary prescription and practical advice aimed to meet the recommended requirements for their specific sport, body composition goals, optimal health and performance; scientifically research a sports nutrition topic and effectively integrate, evaluate and communicate the relevant and appropriate results; interact with athletes and other relevant role players in an ethical and professional manner to collect information from them and/or communicate information to them. 		
Module code: NUTT880	Semester 1 and 2	NQF-Level: 9
Title: Nutrition support of the paediatric patient		
Module outcomes: After completion of this module the student should be able to <ul style="list-style-type: none"> Demonstrate comprehensive knowledge and understanding of the pathophysiology of nutrition support in the paediatric patient. Analyse the role of specific nutrients in the outcome of the relevant diseases Calculate and implement a nutritional care plan for patients with relevant disease conditions Critically evaluate of current counselling programs and the adaptation thereof for the South African setting. Evaluate the current literature regarding a specific therapeutic nutrition topic and argue the outcome. Contribute towards discussion during a medical ward round as part of the allied medical team. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: Practice guideline, journal club presentation, forum discussion, counselling strategy, case study and a formal examination. Assessment for a participation mark is done according to the prescriptions in the study guide. Formative assessment: 50% and Summative assessment: 50%.		
Assessment criteria The outcomes will be achieved if you are able to: <ul style="list-style-type: none"> The case study presentation and literature review will assess whether the student can calculate and implement an individualised nutritional care plan for a critically ill paediatric patient with relevant disease conditions, taking the pathophysiology of the disease condition as well as current literature regarding the role of any specific nutrients into account. 		

<ul style="list-style-type: none"> The evaluation of and adaptation of an available nutritional education program, game or website will assess whether the student is able to critically evaluate current counselling programs and adapt the for specific chronic disease conditions in the South African setting The literature review, forum discussion, development of practical guideline, as well as the presentation for the journal club will assess whether the student can evaluate current literature and reach a consensus. The journal club presentation and forum discussion will assess whether the student is able to actively participate and contribute to a scientific group discussion. 		
Module code: NUTC882	Semester 1 and 2	NQF-Level: 9
Title: Nutrition support of the critically ill		
Module outcomes: On completion of this master's module in therapeutic nutrition you should: <ul style="list-style-type: none"> Calculate and implement an individualised nutritional care plan for a patient with relevant disease conditions, taking the pathophysiology of the disease condition as well as current literature regarding the role of any specific nutrients into account. Evaluate current literature and reach a consensus in the form of a literature study and participation in a journal club Actively participate and contribute in a medical/scientific group discussion such as a ward round, journal club or forum discussion. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: Assignment, participation in forum discussions, case study and a formal examination. Assessment for a participation mark is done according to the prescriptions in the study guide. Formative assessment: 60% and Summative assessment: 40%.		
Assessment criteria The outcomes will be achieved if you are able to: <ul style="list-style-type: none"> The case study presentation and literature review, as well as the completion of the two case studies 191ora peer evaluation will assess whether the student can calculate and implement an individualised nutritional care plan for a critically ill patient with relevant disease conditions, taking the pathophysiology of the disease condition as well as current literature regarding the role of any specific nutrients into account. The literature review, forum discussion, schematic representation of the pathophysiology of metabolic stress, as well as the presentation for the journal club will assess whether the student can evaluate current literature and reach a consensus. The journal club presentation and forum discussion will assess whether the student is able to actively participate and contribute to a scientific group discussion. 		
Module code: PSYC872	Semester 1 and 2	NQF-Level: 9
Title: Dissertation (Research Psychology)		
Module outcomes: On completion of the module, the candidates should be able to demonstrate: <ul style="list-style-type: none"> 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 write a logically argued and integrated scientific report in which applicable psychological explanations are integrated with the research findings. 		
Mode of delivery: Fulltime / Part time – Contact / Distance.		
Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Module code: PSYC872	Semester 1 and 2	NQF-Level: 9
Title: Research theory and Dissertation in Clinical Psychology		
Module outcomes: After completing this module, students should be able to <ul style="list-style-type: none"> Reflect on the paradigmatic basis of researchable problems; Understand the relationship between data and specific analysis techniques; Identify a researchable topic; Identify appropriate hypotheses and develop a research proposal in line with substantive theoretical or empirical foundations and ethical considerations; Conduct basic research, using applicable qualitative, quantitative or a combination of both research methods ; Submit a research report in either dissertation/book or article format. 		
Mode of delivery: Fulltime – Contact		
Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Module code: PSYC874	Semester 1 and 2	NQF-Level: 9
Title: Critical Research Skills		
Module outcomes: On completion of the module, the candidates should be able to demonstrate: <ul style="list-style-type: none"> Knowledge and understanding of the ontological assumptions about the nature of science and a people view 		

(worldview); <ul style="list-style-type: none"> • The ability to plan and perform ethical research; • The ability to distinguish between different quantitative and qualitative approaches which are appropriate for answering the specific research question. 		
Mode of delivery: Workshops throughout the year.		
Assessment methods: Written and oral assessments and presentations as well as formal examination. Formative assessment: 50% and summative assessment: 50%.		
Module code: PSYC875	Semester 1 and 2	NQF-Level: 9
Title: Quantitative Research Methods		
Module outcomes: On completion of the module, the candidates should be able to demonstrate: <ul style="list-style-type: none"> • apply different research methods that are associated with quantitative research; and • apply quantitative research processes such as sampling, validity and reliability, questionnaire design, experimental designs (SPSS); data analysis techniques (multiple regression and structural comparison models) 		
Mode of delivery: Workshops throughout the year.		
Assessment methods: Written assignments, oral presentations, and critical discussions. Written and practical examinations. Formative assessment: 50% and summative assessment: 50%.		
Module code: PSYC876	Semester 1 and 2	NQF-Level: 9
Title: Qualitative Research Methods		
Module outcomes: On completion of the module, the candidates should be able to demonstrate: <ul style="list-style-type: none"> • apply different research designs associated with qualitative research; and • apply qualitative research processes such as purposeful sampling, data collection and data analysis methods such as thematic content analysis as well as trustworthiness. 		
Mode of delivery: Workshops throughout the year.		
Assessment methods: Written assignments, oral presentations, and critical discussions. Written examination. Formative assessment: 50% and summative assessment: 50%.		
Module code: PSYC877	Semester 1 and 2	NQF-Level: 9
Title: Project Management		
Module outcomes: On completion of the module, the candidates should be able to demonstrate: <ul style="list-style-type: none"> • Mastering of all facets concerning research project management, so that independent research functioning may be possible. 		
Mode of delivery: Workshops throughout the year.		
Assessment methods: Written assignments, oral presentations, and critical discussions. Written and oral examination. Formative assessment: 50% and summative assessment: 50%.		
Module code: PSYC879	Semester 1 and 2	NQF-Level: 9
Title: Child- and adolescent pathology and therapy		
Module outcomes: On completion of the module, the candidates should be able to demonstrate: <ul style="list-style-type: none"> • Demonstrate in-depth theoretical and practical competence in the field of child and adolescent development, psychology, psychopathology and psycho-diagnostics; • Demonstrate in-depth theoretical and practical competence in conducting clinical, emotional or neuropsychological evaluations with children and adolescents • 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; • 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 • 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; • Plan and implement appropriate psychological interventions and psychoeducational / parental guidance programmes. 		
Mode of delivery: Fulltime – Contact		
Assessment methods: Written and oral assessments and presentations as well as formal examination. Formative assessment: 50% and summative assessment: 50%		
Module code: PSYC880	Semester 1 and 2	NQF-Level: 9
Title: Theory of Psychological Interventions		
Module outcomes:		

<p>On completion of the module the candidates should be able to demonstrate:</p> <ul style="list-style-type: none"> 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, marital and other couples with life challenges, particularly those with relatively serious forms of psychological distress and/or psychopathology/psychiatric disorders in diverse settings and contexts. 		
Mode of delivery: Fulltime – Contact		
Assessment methods: Written and oral assessments and presentations as well as formal examination. Formative assessment: 50% and summative assessment: 50%		
Module code: PSYC883	Semester 1 and 2	NQF-Level: 9
Title: Ethics, Psychodiagnostics and Practical work		
<p>Module outcomes:</p> <p>On completion of the module, the candidates should be able to demonstrate:</p> <ul style="list-style-type: none"> Demonstrate theoretical and practical competence in the field of ethical psychological practice in a private practice or clinical setting, professional conduct and legislative issues; 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; Arrange appropriate referrals and demonstrate competence in case management; Demonstrate theoretical and practical knowledge and skills regarding forensic psychology and document all processes followed; Identify business opportunities and act as entrepreneur. The teaching of behaviours, which reflect values, attitudes and character traits required of a healthcare professional. A focus on the relationship between the three disciplines (professional ethics, human rights and medical law) and how they impact on the provision of healthcare services to the patients and the community at large. Knowledge, attitudes and skills relating to the three disciplines. A multi-disciplinary approach with the training and assessment in a longitudinal fashion over the study years. 		
Mode of delivery: Fulltime – Contact		
Assessment methods:		
Written and oral assessments and presentations as well as formal examination. Formative assessment: 50% and summative assessment: 50%		
Module code: PSYC884	Semester 1 and 2	NQF-Level: 9
Title: Applied Psychology and Community Interventions		
<p>Module outcomes:</p> <p>On completion of the module, the candidates should be able to demonstrate:</p> <ul style="list-style-type: none"> Understand and apply the principles of Community Psychology in different settings. They should also be able to evaluate diverse settings, apply psychological interventions and implement programmes in different communities Apply psychological interventions to people with psychiatric conditions and serious life challenges and design, manage and evaluate programmes dealing with psychiatric problems in diverse community setting; Promote primary and secondary psychological well-being in an integrated, effective and ethical responsible manner; 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; Advise on the development of policy applicable to a variety of sectors, based on various aspects of psychological theory and research; Reflect on the personal impact of the learning material, practical experiences and the skills acquired as a person and as a future therapist. 		
Mode of delivery: Fulltime – Contact		
Assessment methods:		
Written and oral assessments and presentations as well as formal examination. Formative assessment: 50% and summative assessment: 50%		
Module code: PSYC885	Semester 1 and 2	NQF-Level: 9
Title: Psychopharmacology, Neuropsychology and advanced Psychopathology in Clinical Psychology		
<p>Module outcomes:</p> <p>On completion of the module, the candidates should be able to demonstrate:</p> <ul style="list-style-type: none"> Demonstrate theoretical and practical competence in the field of psychopharmacology, adult psychopathology and neuropsychology to conduct in-depth, culturally sensitive psycho diagnostic procedures and neuropsychological evaluations with adults; 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; Demonstrate theoretical and practical competence in determining different causes of psychological and 		

<p>neuropsychological disorders in adults;</p> <ul style="list-style-type: none"> • Demonstrate theoretical, practical and ethical competence in communicating professional impressions and conclusions to multi-disciplinary teams. • 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. 		
Mode of delivery: Fulltime – Contact		
Assessment methods: Written and oral assessments and presentations as well as formal examination. Formative assessment: 50% and summative assessment: 50%		
Module code: PSYV872	Semester 1 and 2	NQF-Level: 9
Title: Research theory and Dissertation		
<p>Module outcomes:</p> <p>On completion of the module, the candidates should be able to demonstrate:</p> <ul style="list-style-type: none"> • Reflect on the paradigmatic basis of researchable problems; • Understand the relationship between data and specific analysis techniques; • Identify a researchable topic; • Identify appropriate hypotheses and develop a research proposal in line with substantive theoretical or empirical foundations and ethical considerations; • Conduct basic research, using applicable qualitative, quantitative or a combination of both research methods ; • Submit a research report in either dissertation/book or article format. 		
Mode of delivery: Fulltime – Contact		
Assessment methods:		
Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Module code: PSYV879	Semester 1 and 2	NQF-Level: 9
Title: Child- and adolescent development, pathology and therapy		
<p>Module outcomes:</p> <p>On completion of the module, the candidates should be able to demonstrate:</p> <ul style="list-style-type: none"> • Demonstrate in-depth theoretical and practical competence in the field of child and adolescent development, psychology, psychopathology and psycho diagnostics; • Demonstrate theoretical and practical competence in conducting clinical, emotional or neuropsychological evaluations with children and adolescents; • 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; • 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; • 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; • 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. 		
Mode of delivery: Fulltime – Contact		
Assessment methods: Written and oral assessments and presentations as well as formal examination. Formative assessment: 50% and summative assessment: 50%		
Module code: PSYV880	Semester 1 and 2	NQF-Level: 9
Title: Theory of Psychological Interventions in Counselling Psychology		
<p>Module outcomes:</p> <p>On completion of the module, the candidates should be able to demonstrate:</p> <ul style="list-style-type: none"> • demonstrate in-depth and advanced theoretical insight and knowledge of 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 and psychological distress in diverse settings and contexts. 		
Mode of delivery: Fulltime – Contact		
Assessment methods: Written and oral assessments and presentations as well as formal examination. Formative assessment: 50% and summative assessment: 50%		
Module code: PSYV885	Semester 1 and 2	NQF-Level: 9
Title: Psychopharmacology, Neuropsychology and advanced Psychopathology in Counselling Psychology		
<p>Module outcomes:</p> <p>On completion of the module, the candidates should be able to demonstrate:</p>		

<ul style="list-style-type: none"> Advanced theoretical and practical competence in conducting culturally sensitive psycho diagnostic procedures and neuro-psychological evaluations with adults; Advanced and integrated 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; Critical theoretical knowledge and understanding and practical competence in determining different causes of psychological and neuropsychological disorders in adults; Practical and ethical competence in communicating professional impressions and conclusions to multi-disciplinary teams; 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; Advanced knowledge to diagnose a client and to refer to a clinical psychologist if outside the scope of practice of the Counselling Psychologist. 		
Mode of delivery: Fulltime – Contact		
Assessment methods: Written and oral assessments and presentations as well as formal examination. Formative assessment: 50% and summative assessment: 50%		
Module code: PSYP874	Semester 1 and 2	NQF-Level: 9
Title: Introduction to Positive Psychology		
Module outcomes: After completing this module, students should be able to: <ul style="list-style-type: none"> Develop a specialised knowledge of concepts, theories and research in the fields of positive psychology, well-being, positive organizational scholarship, psycho-social health, positive lifespan development and aging and enabling communities; Be able to critically evaluate current research and literature within the positive psychology discipline; Reflect critically on own learning and experience; demonstrate the ability to develop own learning strategies which can sustain independent learning and academic development, and can interact effectively in a professional or academic context to enhance learning; Demonstrate the ability to take full responsibility for own work, decisions and use of resources, and where appropriate to lead and initiate new processes or systems, ensuring good resource management and governance practices. 		
Mode of delivery: Part time / Fulltime – Contact		
Assessment methods: Individual assignments and individual and group activities		
Module code: PSYP875	Semester 1 and 2	NQF-Level: 9
Title: Research methods in Positive Psychology		
Module outcomes: After completing this module, students should be able to: <ul style="list-style-type: none"> Demonstrate embedded theoretical knowledge, understanding and experience needed to carry out research into positive psychology areas. Apply appropriate research design, research methods and data analysis techniques. Design and implement strategies to access, process and manage information, and to defend substantial ideas in the field of PP; to communicate ideas from PP to a wide range of audiences with different levels of knowledge or expertise 		
Mode of delivery: Part time / Full-time – contact		
Assessment methods: Individual assignments and individual and group activities.		
Module code: PSYP876	Semester 1 and 2	NQF-Level: 9
Title: Assessment and Basics of Interventions		
Module outcomes: After completing this module, students should be able to: <ul style="list-style-type: none"> Demonstrate the ability to creatively select, design and apply appropriate evaluation /assessment and interventions methods and techniques, appropriate to a specific context. Use creativity and originality in the interpretation, application and development of knowledge and practice, regarding assessment and interventions; Be able to critically and reflectively apply specialist knowledge and theory to address complex practical and theoretical problems – implementing a wide range of specialized skills in identifying, conceptualizing, designing and implementing methods of enquiry to address challenging problems in the field of positive psychology as a discipline and practice, with an understanding of the consequences of solutions generated in a specific context; Show an awareness of and understanding of ethical constraints associated with application of positive psychology interventions; Demonstrate the ability to make autonomous ethical decisions which affect knowledge production and research, as well as individual, group, community or organizational issues. 		
Mode of delivery: Part time / Fulltime – Contact		

Assessment methods: Individual assignments and individual and group activities.		
Module code: PSYP877	Semester 1 and 2	NQF-Level: 9
Title: Applications in Positive Psychology		
Module outcomes: After completing this module, students should be able to: <ul style="list-style-type: none"> • Demonstrate advanced competence in using various positive psychology measuring instruments ; • apply a wide range of positive interventions across personal and professional domains ; • make interventions at the appropriate level within a system, based on the understanding of the hierarchical relations within the system, and the ability to address the intended and unintended consequences of interventions ; • contribute to the development of ethical standards in specific contexts; identify, and manage emerging ethical issues; advance processes of ethical decision-making, and monitor consequences where applicable 		
Mode of delivery: Part time / Full-time – Contact		
Assessment methods: Individual assignments and individual and group activities.		
Module code: PSYP878	Semester 1 and 2	NQF-Level: 9
Title: Advanced Positive Psychology		
Module outcomes: After completing this module, students should be able to: <ul style="list-style-type: none"> • Develop awareness of meta-theoretical and philosophical perspectives in PP, the pertinent social, economic, political, historical issues and the wider context of positive psychology and positive social sciences • Develop critical awareness of current issues, debates, new insights and cutting edge issues within positive psychology • Demonstrate the ability to contribute to scholarly debates around theories of knowledge and methods of knowledge production in PP • Develop the capacity for analysis and synthesis: evaluation of concepts at a meta-level, capability to identify assumptions, evaluation of statements with regard to evidence, detecting false logic or reasoning, identification of implicit values, appropriate generalization, meaningful integration of facts and inferences 		
Mode of delivery Part time / Full-time – contact		
Assessment methods: Individual assignments and individual and group activities.		
Module code: PSYP873	Semester 1 and 2	NQF-Level: 9
Title: Research Mini-dissertation in Positive Psychology		
Module outcomes: After completing this module, students should be able to: <ul style="list-style-type: none"> • Demonstrate embedded theoretical knowledge, understanding and experience needed to carry out research into positive psychology areas (level descriptor 9a). • Apply appropriate research design; research methods and data analysis techniques (level descriptor 9a). • Design and implement strategies to access, process and manage information, and to defend substantial ideas in the field of PP (level descriptor 9f); • Able to communicate ideas from PP to a wide range of audiences with different levels of knowledge or expertise (level descriptor 9g) 		
Mode of delivery: Part time / Full-time – contact		
Assessment methods:		
Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Module code: RKKV871	Semester 1 and 2	NQF-Level: 9
Title: Recreation Science (Dissertation)		
Module outcomes: After completion of the Recreation Science qualification, the student should demonstrate: <ul style="list-style-type: none"> • advanced/progressive/innovative and integrated knowledge and specialised understanding with regard to recreation, to specifically enable engagement with and critique of recreation with regards to managerial aspects, therapeutic recreation, mass participation and leisure behaviour; • an ability to evaluate current processes of knowledge production within the field of Recreation Science and then to select an appropriate process of inquiry for the area of study to address an appropriate problem therein; • an ability to conduct a comprehensive review of leading and current research in the area of specialization within Recreation Science to produce mechanisms, epidemiological and effects of recreation that will delineate/clarify/demarcate a significant research problem that needs elucidation; • under supervision, the ability to design, select and apply appropriate and creative qualitative and/or quantitative methods, techniques, processes, and/or technologies to complex practical and/or theoretical problems with a view to recreation; • under supervision, the ability to identify, conceptualize, design and implement appropriate methods of inquiry to address complex and challenging problems within Recreation Science; • under supervision, an ability to select and effectively use/apply a wide range of specialized skills in order to capture data in Recreation Science; 		

<ul style="list-style-type: none"> an ability to use the resources of academic / professional / occupational discourses to communicate and defend substantial ideas that are the products of research/knowledge production or development in an area of specialization within Recreation Sciences; an ability to design and implement a strategy/process for the effective processing/management of information with the use of appropriate technologies an ability to design/plan/implement recreation activity, management, mass participation, behavioural change and therapeutic interventions at an appropriate level within a system, based on an understanding of hierarchical relations within the system, and the ability to address the intended and unintended consequences of such interventions; the ability to use a range of advanced and specialized skills and participate in discourses appropriate to Recreation Science, to offer innovative ideas to address problems/issues/challenges, thereby affecting change within the discipline. an ability to make autonomous ethical decisions which affect knowledge production/research design/sport and, recreation and health related practices or professional issues; an ability to critically contribute to the development of ethical standards within Recreation Science; ability to define and sustain professional development within the field of Recreation Science by means of continued professional development. 		
Mode of delivery: Fulltime/contact. No modules are presented "online" or presented from one campus to students on another campus.		
Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Assessment criteria Students have mastered the outcomes if they are able to: <ul style="list-style-type: none"> research that is directed at Recreation Science, specifically indicating engagement with and critique of managerial structures, psycho-social changes through recreation activities, mass participation and leisure behaviour in Recreation Science; assess the ability to evaluate current processes of knowledge production within the field of Recreation Science and the selection of appropriate process of inquiry for the area of study to address an appropriate problem therein; the ability to design, select and apply appropriate and creative qualitative and/or quantitative methods, techniques, processes, and/or technologies to complex practical and/or theoretical problems with a view to recreation; the ability to identify, conceptualize, design and implement appropriate methods of enquirer to address complex and challenging problems within Recreation Science and the ability to select and effectively use/apply a wide range of specialized skills in order to capture data in Recreation Science; the ability to use the resources of academic / professional / occupational discourses to communicate and defend substantial ideas that are the products of research/knowledge production or development in an area of specialization within Recreation Sciences; the ability to design and implement a strategy/process for the effective processing/management of information with the use of appropriate technologies and to design/plan/implement recreation activities, mass participation, behavioural change, leisure and therapeutic interventions at an appropriate level within a system, based on an understanding of hierarchical relations within the system, and the ability to address the intended and unintended consequences of such interventions; the ability to use a range of advanced and specialized skills and participate in discourses appropriate to Recreation Science, to offer innovative ideas to address problems/issues/challenges, thereby affecting change within the discipline. the ability to make autonomous ethical decisions which affect knowledge production/research design/sport, recreation and health related practices or professional issues and contribute to the to the development of ethical standards in Recreation Science an ability to operate independently and take full responsibility for his or her own work, and where appropriate, to account for leading and implementing good governance. 		
Module code: TDHP811	Semester 1	NQF-Level: 9
Title: Research Methodology		
Module outcomes: After completion of this module the student should be able to have: <ul style="list-style-type: none"> the ability to analyse a range of research methodologies, methods and approaches with regard to their appropriateness for investigating particular research problems to promote health; the ability to interrogate multiple sources of knowledge to evaluate the knowledge and processes of knowledge production critically in a variety of contexts that are particular to the field of health promotion; the competence to apply the dialectical relationship between the theory and praxis of health sciences; the ability to contribute to systematic and disciplined critical, analytical thinking about and problem solving of matters that are related to the field of health promotion; and the knowledge and engagement in the transdisciplinary health approach to the promotion of health. 		
Mode of delivery: Fulltime / Part time		

<p>This degree is presented via contact learning with a blended learning environment approach, including two theoretical modules as well as a research dissertation via contact and on-line delivery. The compulsory theoretical core modules are completed in the first six months of study.</p>		
<p>Assessment methods: The following forms of continuous formative and summative assessment are used to ensure integrated assessment of all exit level outcomes:</p> <ul style="list-style-type: none"> • Reports and written assignments • Transdisciplinary group debates. • Written examination. • Above will be used as methods of outcome evaluation and written Examination. 		
Module code: TDHP812	Semester 1	NQF-Level: 9
Title: Transdisciplinary Health Promotion		
<p>Module outcomes: After completion of this module the student should be able to have:</p> <ul style="list-style-type: none"> • the ability to engage in dialogue with a transdisciplinary team that is at once between disciplines, across different disciplines, and beyond all disciplines to promote health in an integrated manner; • the ability to identify and address ethical issues in health and health promotion, based on critical reflection on the suitability of different ethical value systems to the context of health; and knowledge the engagement in the field of health promotion that reflect an understanding of the theories and research methodologies in this field, as well as an understanding of the application of such knowledge in a particular health context. 		
<p>Mode of delivery: Fulltime / Part time This degree is presented via contact learning with a blended learning environment approach, including two theoretical modules as well as a research dissertation via contact and on-line delivery. The compulsory theoretical core modules are completed in the first six months of study.</p>		
<p>Assessment methods: The following forms of continuous formative and summative assessment are used to ensure integrated assessment of all exit level outcomes:</p> <ul style="list-style-type: none"> • Reports and written assignments • Transdisciplinary group debates. • Written examination. • Above will be used as methods of outcome evaluation and written Examination. 		
Module code: TDHP813	Semester 1	NQF-Level: 9
Title: Dissertation : Transdisciplinary Health Promotion		
<p>Module outcomes: After completion of this module the student should be able to have:</p> <ul style="list-style-type: none"> • the ability to conduct research under supervision in the field of health promotion within a transdisciplinary context, using a range of skills to identify, analyse and address complex real-world problems ethically; and • the ability to communicate research results in an oral presentation and in writing in a dissertation according to the A-rules of the University. 		
<p>Mode of delivery: Fulltime / Part time This degree is presented via contact learning with a blended learning environment approach, including two theoretical modules as well as a research dissertation via contact and on-line delivery. The module is completed in the same year for fulltime and in two years for part time students.</p>		
Assessment methods: : Internal and external evaluation according to NWU policy		

Module code: TDHP872	Semester 1	NQF-Level: 9
Title: Dissertation: Transdisciplinary Health Promotion		
<p>Module outcomes: After completion of this module the student should be able to have:</p> <ul style="list-style-type: none"> • the ability to conduct research under supervision in the field of health promotion within a transdisciplinary context, using a range of skills to identify, analyse and address complex real-world problems ethically; and • the ability to communicate research results in an oral presentation and in writing in a dissertation according to the A-rules of the University. 		
<p>Method of delivery: Fulltime / Part-time This degree is presented via contact learning with a blended learning environment approach, including two theoretical modules as well as a research dissertation via contact and on-line delivery. The module is completed in the same year for fulltime studies and in two years for part-time students.</p>		
<p>Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.</p>		

Module code: VERW871	Semester 1 and 2	NQF-Level: 9
Title: Dissertation (Consumer Sciences)		
Module outcomes: After completing this module, students should be able to demonstrate: <ul style="list-style-type: none"> specialist knowledge and understanding to engage and critique research and practices within the field of Consumer Sciences and /or and to contribute to disciplined thinking about consumer behaviour-related matters and issues; an ability to evaluate current processes of knowledge production in the field Consumer Sciences and to choose appropriate processes of enquiry for in the area of specialisation; the ability to conduct independent inquiry in a specialised field of Consumer Sciences and consumer behaviour, and to report their findings in academically appropriate ways; the potential to act as academic leaders and experts in the field Consumer Sciences and the topic of specialisation; and high levels of responsibility, self-reflexivity and adaptability, with respect to the ethical implications of research, the determination of socially relevant issues and research needs in South Africa. 		
Mode of delivery: Fulltime / Part time – Contact		
Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Assessment criteria: Students have mastered the outcomes of the module if they are able to: <ul style="list-style-type: none"> Display specialist knowledge to enable engagement and critique of current research and practices within the field of Consumer Sciences and to engage in systematic and disciplined thinking about consumer behaviour-related matters and issues, with particular reference to their area(s) of specialisation; apply and develop intellectual independence and advanced research skills, sophisticated knowledge and research methodologies to the solution of complex, unfamiliar problems in the field of Consumer Sciences; analyse and apply specialised problem solving skills in identifying, conceptualising, designing and implementing methods of enquiry to address complex and challenging problems within a field of Consumer Sciences with specific reference to their specialisation area; design and implement a strategy for the processing and management of information, in order to conduct a comprehensive review of leading and current research in an area of consumer behaviour and their specialisation to produce significant insights; engage and initiate in academic and consumer behaviour-related discourse to report and defend substantial ideas that are the results of research in an area of specialisation; plan, manage and optimise all aspects of research processes within complex and unpredictable contexts in Consumer Sciences as academic leaders and experts in the field of Consumer Sciences and the topic of specialisation; and apply high levels of responsibility, self-reflexivity and adaptability in own management of learning and analyse and evaluate ethical implications of research on socially relevant issues and research needs in South Africa. 		
Module code: VPKN874	Semester 1 and 2	NQF-Level: 9
Title: Research Methodology (Nursing Science)		
Module outcomes: On completion of the module, the candidates should be able to demonstrate: <ul style="list-style-type: none"> specialist knowledge and understanding to engage with and critically evaluate research practices. the ability to plan independent inquiry, and to plan reporting of findings in academically appropriate ways. high levels of responsibility, self-reflexivity and adaptability, with respect to the conceptualising and planning of research, ethical implications of research, and the determination of socially relevant issues and research needs in South Africa. 		
Mode of delivery: Fulltime / Part time – Contact		
Assessment methods: Semester tests and assignments, including a research proposal. Written examination Formative assessment 40%, summative assessment 60%.		
Assessment criteria Candidates have mastered the outcomes if they are able to: <ul style="list-style-type: none"> Display specialist knowledge to enable engagement and critique of current research and research practices. Apply intellectual independence and advanced research skills, propositional knowledge and research methodologies for the inquiry of complex, unfamiliar problems. Apply specialised problem solving skills in identifying, conceptualising and designing a method of inquiry to address complex and challenging problems. Design a strategy for the processing and management of information, in order to conduct a comprehensive review of leading and current research. Initiate and engage in academic discourse to defend planning of research. Plan all aspects of research processes within complex and unpredictable contexts. Apply high levels of responsibility, self-reflexivity and adaptability in own management of learning and analyse and evaluate ethical implications of research on socially relevant issues and research needs in South Africa. 		

Module code: VPVV872	Semester 1 and 2	NQF-Level: 9
Title: Dissertation (Nursing Science)		
Module outcomes: On completion of the module, the candidates should be able to demonstrate: <ul style="list-style-type: none"> • specialist knowledge and understanding to engage with and critique research and practices within the field of Nursing and /or and to contribute to disciplined thinking about Nursing Science matters and issues. • an ability to evaluate current processes of knowledge production in the field of Nursing and to choose appropriate processes of inquiry in Nursing Science. • the ability to conduct independent inquiry in Nursing Science, and to report their findings in academically appropriate ways • the potential to act as academic leaders and experts in the field of Nursing Science; • high levels of responsibility, self-reflexivity and adaptability, with respect to the ethical implications of research, the determination of socially relevant issues and research needs in South Africa. 		
Mode of delivery: Research under guidance of a study leader supported by research committee.		
Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Assessment criteria Students have mastered the outcomes if they are able to: <ul style="list-style-type: none"> • display specialist knowledge to enable engagement and critique of current research and research practices; • apply intellectual independence and advanced research skills, propositional knowledge and research methodologies for the inquiry of complex, unfamiliar problems; • apply specialised problem solving skills in identifying, conceptualising and designing a method of inquiry to address complex and challenging problems; • assign a strategy for the processing and management of information, in order to conduct a comprehensive review of leading and current research; • initiate and engage in academic discourse to defend planning of research; • plan all aspects of research processes within complex and unpredictable contexts; • apply high levels of responsibility, self-reflexivity and adaptability in own management of learning and analyse and evaluate ethical implications of research on socially relevant issues and research needs in South Africa. 		

G.2.3 DOCTORAL DEGREES

Module code: BHIG971	Semester 1 and 2	NQF-Level: 10
Title: Thesis (Occupational Hygiene)		
Module outcomes: On completion of the module, the student should be able to demonstrate: <ul style="list-style-type: none"> • depth of critical knowledge and high levels of theoretical understanding in a complex and specialised area within the field of Occupational Hygiene and /or across specialised or applied areas and expand or redefine existing knowledge in the field of Occupational Hygiene; • intellectual independence and advanced research skills through the ability to apply sophisticated knowledge and research methodologies to the solution of complex, unfamiliar problems in the field of Occupational Hygiene and the competence to integrate and apply theoretical knowledge and research findings within local and global contexts; • the ability to question existing knowledge boundaries and practices in the field of Occupational Hygiene; • the ability to deal with complexity, lacunae and contradictions in the knowledge base of the field of Occupational Hygiene; • autonomous independent judgements about information and concepts at highly abstract levels and make evaluations on the basis of independently generated criteria; • mastery of the literature and state of research in Occupational Hygiene; • research leadership within Occupational Hygiene and across disciplines to optimise all aspects of research processes within complex and unpredictable contexts; • high levels of responsibility, self-reflexivity and adaptability, with respect to the ethical implications of research, the determination of socially relevant issues and research needs in South Africa, and the ability to relate these issues to international contexts. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Assessment criteria Students have mastered the outcomes if they are able to: <ul style="list-style-type: none"> • depth of critical knowledge and high levels of theoretical understanding in a complex and specialised area within the field of Occupational Hygiene and /or across specialised or applied areas and expand or redefine existing knowledge in the field of Occupational Hygiene; • intellectual independence and advanced research skills through the ability to apply sophisticated knowledge and research methodologies to the solution of complex, unfamiliar problems in the field of Occupational Hygiene and the competence to integrate and apply theoretical knowledge and research findings within local and global contexts; • the ability to question existing knowledge boundaries and practices in the field of Occupational Hygiene; • the ability to deal with complexity, lacunae and contradictions in the knowledge base of the field of Occupational Hygiene; • autonomous independent judgements about information and concepts at highly abstract levels and make evaluations on the basis of independently generated criteria; • mastery of the literature and state of research in Occupational Hygiene; • research leadership within Occupational Hygiene and across disciplines to optimise all aspects of research processes within complex and unpredictable contexts; • high levels of responsibility, self-reflexivity and adaptability, with respect to the ethical implications of research, the determination of socially relevant issues and research needs in South Africa, and the ability to relate these issues to international contexts. 		
Module code: NUTD971	Semester 1 and 2	NQF-Level: 10
Title: Thesis (Dietetics)		
Module outcomes: Upon completion of this module the student should have: <ul style="list-style-type: none"> • Depth of critical knowledge and high levels of theoretical understanding in a complex and specialised area within the field of Dietetics and /or across specialised or applied areas and expand or redefine existing knowledge in the field of Dietetics. • Intellectual independence and advanced research skills through the ability to apply sophisticated knowledge and research methodologies to the solution of complex, unfamiliar problems in the field of Dietetics and the competence to integrate and apply theoretical knowledge and research findings within local and global contexts • Question existing knowledge boundaries and practices in the field of Dietetics and existing knowledge. • Deal with complexity, lacunae and contradictions in the knowledge base of the field of Dietetics • Autonomous independent judgements about information and concepts at highly abstract levels and make evaluations on the basis of independently generated criteria. • Show mastery of the literature and state of research in a specific area. 		

<ul style="list-style-type: none"> Research leadership within a field or across disciplines to optimise all aspects of research processes within complex and unpredictable contexts Demonstrate high levels of responsibility, self-reflexivity and adaptability, with respect to the ethical implications of research, the determination of socially relevant issues and research needs in South Africa, and the ability to relate these issues to international contexts. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Assessment criteria Students have mastered the outcomes if they are able to: <ul style="list-style-type: none"> Generate and display critical knowledge and high levels of theoretical understanding in a complex and specialised area within the field of Dietetics and /or across specialised or applied areas and make an original contribution to the knowledge society in Dietetics; Apply and develop intellectual independence and advanced research skills, sophisticated knowledge and research methodologies to the solution of complex, unfamiliar problems in the field of Dietetics and develop competence to integrate and apply theoretical knowledge and research findings within relevant local and global contexts as well as across disciplines; Synthesis, evaluate and question existing knowledge boundaries and practices in the field of Dietetics and create responses to problems that expand or redefine existing knowledge; Analyse complex lacunae and contradictions in the knowledge base of the field of Dietetics; Generate, synthesize and evaluate information and concepts at highly abstract levels and make sound evaluations on the basis of independently generated criteria; Show mastery of the literature by producing original insights into new and complex ideas, information and issues; Plan, resource, manage and optimise all aspects of research processes within complex and unpredictable contexts in Dietetics; Apply high levels of responsibility, self-reflexivity and adaptability in own management of learning; Analyse and evaluate ethical implications of research on socially relevant issues and research needs in South Africa, and relate and compare these issues to international contexts. 		
Module code: NUTN971	Semester 1 and 2	NQF-Level: 10
Title: Thesis (Nutrition)		
Module outcomes: On completion of the module, the student should be able to demonstrate: <ul style="list-style-type: none"> Depth of critical knowledge and high levels of theoretical understanding in a complex and specialised area within the field of Nutrition and /or across specialised or applied areas and expand or redefine existing knowledge in the field of Nutrition. Intellectual independence and advanced research skills through the ability to apply sophisticated knowledge and research methodologies to the solution of complex, unfamiliar problems in the field of Nutrition and the competence to integrate and apply theoretical knowledge and research findings within local and global contexts Question existing knowledge boundaries and practices in the field of Nutrition and existing knowledge. Deal with complexity, lacunae and contradictions in the knowledge base of the field of Nutrition Autonomous independent judgements about information and concepts at highly abstract levels and make evaluations on the basis of independently generated criteria. Show mastery of the literature and state of research in a specific area. Research leadership within a field or across disciplines to optimise all aspects of research processes within complex and unpredictable contexts Demonstrate high levels of responsibility, self-reflexivity and adaptability, with respect to the ethical implications of research, the determination of socially relevant issues and research needs in South Africa, and the ability to relate these issues to international contexts. 		
Mode of delivery: Fulltime / Part time – Contact.		
Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Assessment criteria Students have mastered the outcomes if they are able to: <ul style="list-style-type: none"> Generate and display critical knowledge and high levels of theoretical understanding in a complex and specialised area within the field of Nutrition and /or across specialised or applied areas and make an original contribution to the knowledge society in Dietetics; Apply and develop intellectual independence and advanced research skills, sophisticated knowledge and research methodologies to the solution of complex, unfamiliar problems in the field of Nutrition and develop competence to integrate and apply theoretical knowledge and research findings within relevant local and global contexts as well as across disciplines; Synthesis, evaluate and question existing knowledge boundaries and practices in the field of Nutrition and create responses to problems that expand or redefine existing knowledge; 		

<ul style="list-style-type: none"> Analyse complex lacunae and contradictions in the knowledge base of the field of Nutrition; Generate, synthesize and evaluate information and concepts at highly abstract levels and make sound evaluations on the basis of independently generated criteria; Show mastery of the literature by producing original insights into new and complex ideas, information and issues; Plan, resource, manage and optimise all aspects of research processes within complex and unpredictable contexts in Nutrition; Apply high levels of responsibility, self-reflexivity and adaptability in own management of learning; Analyse and evaluate ethical implications of research on socially relevant issues and research needs in South Africa, and relate and compare these issues to international contexts. 		
Module code: FCHG971	Semester 1 and 2	NQF-Level: 10
Title: Thesis (Pharmaceutical Chemistry)		
Module outcomes: After successful completion of this module, the student will demonstrate: <ul style="list-style-type: none"> expertise and critical knowledge of a specialisation field within Pharmaceutical Chemistry; the ability to conceptualise new research initiatives within a specialisation field of Pharmaceutical Chemistry with a view to create new knowledge in order to solve context-specific challenges; the ability to meaningfully contribute to scholarly debates around theories of knowledge and processes of knowledge production in Pharmaceutical Chemistry; the ability to develop new methods and original techniques appropriate to a specialisation field within Pharmaceutical Chemistry; the ability to apply and implement specialist knowledge and theory in critically reflexive, creative and novel ways to address complex practical and/or theoretical problems specific to a specialisation field in Pharmaceutical Chemistry; the ability to identify, demarcate and critically analyse an appropriate research problem to address a complex research problem within a specialisation field in Pharmaceutical Chemistry; the ability to access, analyse, process, evaluate and manage or synthesise relevant information or data with a view to develop significant original insights into new, complex and abstract information in a specialisation field in Pharmaceutical Chemistry; the ability to plan and execute an appropriate research design, complete with suitable research and data analysis methods, in order to find an effective solution for a complex research problem, thereby contributing in a meaningful manner to a specialisation field of Pharmaceutical Chemistry; the ability to identify, specify, address and manage emerging ethical issues and to advance processes of ethical decision-making, including monitoring and evaluation of the consequences of these decisions where appropriate; the ability to produce substantial and independent, in-depth and publishable work which meets international standards, which is considered to be new or innovative by peers, and make a significant contribution to a specialisation field in Pharmaceutical Chemistry; the ability to develop and execute a communication strategy to disseminate and defend research findings and their implementation to specialist and non-specialist audiences using the full resources of an academic and professional or occupational discourse; a critical and advanced understanding of theoretical underpinnings in the management of complex systems to achieve systemic change and the ability to independently design, sustain and manage change within an experimental setup. 		
Mode of delivery Fulltime – Completion of a research project under the guidance of a supervisor.		
Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Assessment criteria The student will prove that he/she has mastered the module outcomes if he/she can: <ul style="list-style-type: none"> gain expertise and critical knowledge of a specialisation field within Pharmaceutical Chemistry; conceptualise new research initiatives within a specialisation field of Pharmaceutical Chemistry with a view to create new knowledge in order to solve context-specific challenges; meaningfully contribute to scholarly debates around theories of knowledge and processes of knowledge production in Pharmaceutical Chemistry; develop new methods and original ways appropriate to a specialisation field within Pharmaceutical Chemistry; apply/implement specialist knowledge and theory in critically reflexive, creative and novel ways to address complex practical and/or theoretical problems specific to a specialisation field in Pharmaceutical Chemistry; identify, demarcate and critically analyse an appropriate research problem to address a complex research problem within a specialisation field in Pharmaceutical Chemistry; access, analyse, process, evaluate and manage or synthesise relevant information or data with a view to develop significant original insights into new, complex and abstract information in a specialisation field in Pharmaceutical Chemistry; plan and execute an appropriate research design, complete with suitable research and data analysis methods, in order to find an effective solution for a complex research problem, thereby contributing in a 		

<p>meaningful manner to a specialisation field in Pharmaceutical Chemistry;</p> <ul style="list-style-type: none"> • identify, specify, address and manage emerging ethical issues and to advance processes of ethical decision-making, including monitoring and evaluation of the consequences of these decisions where appropriate; • produce substantial and independent, in-depth and publishable work which meets international standards, which is considered to be new or innovative by peers, and makes a significant contribution to a specialisation field in Pharmaceutical Chemistry; • develop and execute a communication strategy to disseminate and defend research findings and their implementation to specialist and non-specialist audiences using the full resources of an academic and professional or occupational discourse; • understand theoretical underpinnings in the management of complex systems to achieve systemic change and independently design, sustain and manage change within an experimental setup. 		
Module code: FMSG971	Semester 1 and 2	NQF-Level: 10
Title: Thesis (Pharmaceutics)		
<p>Module outcomes:</p> <p>After successful completion of this module, the student will demonstrate:</p> <ul style="list-style-type: none"> • expertise and critical knowledge of a specialisation field within Pharmaceutics. • the ability to conceptualise new research initiatives within a specialisation field of Pharmaceutics with a view to create new knowledge in order to solve context-specific challenges. • the ability to meaningfully contribute to scholarly debates around theories of knowledge and processes of knowledge production in Pharmaceutics. • the ability to develop new methods and original ways appropriate to a specialisation field within Pharmaceutics. • the ability to apply/implement specialist knowledge and theory in critically reflexive, creative and novel ways to address complex practical and/or theoretical problems specific to a specialisation field in Pharmaceutics. • the ability to identify, demarcate and critically analyse an appropriate research problem to address a complex research problem within a specialisation field of Pharmaceutics. • the ability to access, analyse, process, evaluate and manage or synthesise relevant information or data with a view to develop significant original insights into new, complex and abstract information in a specialisation field of Pharmaceutics. • the ability to plan and execute an appropriate research design, complete with suitable research and data analysis methods, in order to find an effective solution for a complex research problem, thereby contributing in a meaningful manner to a specialisation field of Pharmaceutics. • the ability to identify, specify, address and manage emerging ethical issues and to advance processes of ethical decision-making, including monitoring and evaluation of the consequences of these decisions where appropriate. • the ability to produce substantial and independent, in-depth and publishable work which meets international standards, which is considered to be new or innovative by peers, and make a significant contribution to a specialisation field in Pharmaceutics. • the ability to develop and execute a communication strategy to disseminate and defend research findings and their implementation to specialist and non-specialist audiences using the full resources of an academic and professional or occupational discourse. • a critical and advanced understanding of theoretical underpinnings in the management of complex systems to achieve systemic change; and the ability to independently design, sustain and manage change within an experimental setup. 		
Mode of delivery: Fulltime – Completion of a research project under the guidance of a supervisor.		
<p>Assessment methods:</p> <p>Examiners will be appointed according to NWU policies and Faculty rules/guidelines.</p>		
<p>Assessment criteria</p> <p>The student will prove that he/she has mastered the module outcomes if he/she can:</p> <ul style="list-style-type: none"> • gain expertise and critical knowledge of a specialisation field within Pharmaceutics. • conceptualise new research initiatives within a specialisation field of Pharmaceutics with a view to create new knowledge in order to solve context-specific challenges. • meaningfully contribute to scholarly debates around theories of knowledge and processes of knowledge production in Pharmaceutics. • develop new methods and original ways appropriate to a specialisation field within Pharmaceutics. • apply/implement specialist knowledge and theory in critically reflexive, creative and novel ways to address complex practical and/or theoretical problems specific to a specialisation field in Pharmaceutics. • identify, demarcate and critically analyse an appropriate research problem to address a complex research problem within a specialisation field of Pharmaceutics. • access, analyse, process, evaluate and manage or synthesise relevant information or data with a view to develop significant original insights into new, complex and abstract information in a specialisation field of Pharmaceutics. • plan and execute an appropriate research design, complete with suitable research and data analysis methods, in order to find an effective solution for a complex research problem, thereby contributing in a meaningful manner to a specialisation field of Pharmaceutics. 		

<ul style="list-style-type: none"> identify, specify, address and manage emerging ethical issues and to advance processes of ethical decision-making, including monitoring and evaluation of the consequences of these decisions where appropriate. produce substantial and independent, in-depth and publishable work which meets international standards, which is considered to be new or innovative by peers, and makes a significant contribution to a specialisation field in Pharmaceutics. develop and execute a communication strategy to disseminate and defend research findings and their implementation to specialist and non-specialist audiences using the full resources of an academic and professional or occupational discourse. understand theoretical underpinnings in the management of complex systems to achieve systemic change; and independently design, sustain and manage change within an experimental setup. 		
Module code: FKL971	Semester 1 and 2	NQF-Level: 10
Title: Thesis (Pharmacology)		
Module outcomes: After completion of this module the student should be able to: <ul style="list-style-type: none"> expertise and critical knowledge of the specialisation field within pharmacology according to the research project; the ability to conceptualise new research initiatives within the field/practice of the specialisation field within pharmacology according to the research project with a view to create new knowledge/ practices in order to solve context-specific challenges (specify as relevant); the ability to meaningfully contribute to scholarly debates around theories of knowledge and processes of knowledge production in the specialisation field within pharmacology according to the research project; the ability to develop new methods, techniques in the specialisation field within pharmacology according to the research project in original/creative/innovative ways appropriate to the specialisation field within pharmacology according to the research project; the ability to apply/implement specialist knowledge and theory in critically reflexive, creative and novel ways to address the specialisation field within pharmacology according to the research project; the ability to identify, demarcate and critically analyse an appropriate research problem to address a complex challenge/problem/issue in the specialisation field within pharmacology according to the research project; the ability to access, analyse, process, evaluate and manage/synthesise relevant information/knowledge/data with a view to develop significant original insights into new, complex and abstract ideas/information/ issues (specify as relevant to the specialisation field within pharmacology according to the research project); the ability to formulate/develop/plan and execute an appropriate research design, complete with suitable research and data analysis methods, in order to address a complex research problem/test a research hypothesis/find an effective solution for a complex research problem etc., thereby contributing in a meaningful manner to the theory/practice of the specialisation field within pharmacology according to the research project; the ability to identify, specify, address and manage emerging ethical issues (specify if relevant), and to advance processes of ethical decision-making, including monitoring and evaluation of the consequences of these decisions where appropriate. the ability to produce substantial and independent, in-depth and publishable work which meets international standards, is considered to be new or innovative by peers, and makes a significant contribution to the specialisation field within pharmacology according to the research project; the ability to develop and execute a communication strategy to disseminate and defend research findings/ strategic/policy initiatives and their implementation to specialist and non-specialist audiences using the full resources of an academic and professional or occupational discourse; a critical and advanced understanding of theoretical underpinnings in the management of complex systems to achieve systemic change; and the ability to independently design, sustain and manage change within a system or systems relating to the specialisation field within pharmacology according to the research project. 		
Mode of delivery: Fulltime – Completion of a research project under the guidance of a supervisor.		
Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Assessment criteria Students have mastered the outcomes if they are able to: <ul style="list-style-type: none"> display critical knowledge and high levels of theoretical understanding in a complex and specialised area within the specialisation field within pharmacology according to the research project and /or across specialised or applied areas and make an original contribution to the knowledge society in the specialisation field within pharmacology according to the research project; display intellectual independence and advanced research skills, sophisticated knowledge and research methodologies to the solution of complex, unfamiliar problems in the specialisation field within pharmacology according to the research project; display competence to integrate and apply theoretical knowledge and research findings within relevant local and global contexts as well as across disciplines; display the ability to synthesize, evaluate and question existing knowledge boundaries and practices in the specialisation field within pharmacology according to the research project and create responses to problems that expand or redefine existing knowledge; display the ability to analyse complex lacunae and contradictions in the knowledge base of the specialisation 		

<p>field within pharmacology according to the research project;</p> <ul style="list-style-type: none"> display the ability to generate, synthesize and evaluate information and concepts at highly abstract levels and make sound evaluations on the basis of independently generated criteria; display mastery of the literature by producing original insights into new and complex ideas, information and issues and produce; plan, resource, manage and optimise all aspects of research processes within complex and unpredictable contexts in the specialisation field within pharmacology according to the research project; display an ability to apply high levels of responsibility, introspection and adaptability in own management of learning in the specialisation field within pharmacology according to the research project; display the ability to analyse and evaluate ethical implications of research on socially relevant issues and research needs in South Africa; display an ability to relate and compare these issues to international contexts. 		
Module code: FPKG971	Semester 1 and 2	NQF-Level: 10
Title: Thesis (Pharmacy Practice)		
<p>Module outcomes: On completion of the module, the student should be able to demonstrate:</p> <ul style="list-style-type: none"> expertise and critical knowledge in Pharmacy Practice to conceptualise new research initiatives and to create and contribute to new knowledge and practices; an ability to meaningfully contribute to scholarly debates pertaining to theories and processes of knowledge production in Pharmacy Practice; competence to develop relevant methods, techniques, formulae processes and systems in creative and innovative ways appropriate to Pharmacy Practice; expertise to formulate, develop, plan and execute an appropriate research project, with suitable data analysis methods, in order to address a complex Pharmacy Practice research problem and to find effective solutions for this problem; an ability to identify, address and manage practice-related ethical issues through advanced decision-making, monitoring and evaluation processes; an ability to produce in-depth and publishable work that meets international standards, and that makes a significant contribution to the subject area Pharmacy Practice; an ability to develop and execute a communication strategy to disseminate and defend research findings and their implementation to any audience; critical and advanced understanding of factors that influence the management of complex health and pharmaceutical systems to achieve systemic change, and an ability to independently design, sustain and manage change within a system or systems; intellectual independence, research leadership and management of research and research development in in Pharmacy Practice; and an ability to operate independently and take full responsibility for his or her work, and, where appropriate, to lead, oversee and be held accountable for the overall governance of research processes and systems. 		
<p>Mode of delivery: Fulltime/part time – contact – It is expected from students to complete a research project under supervision of a supervisor(s).</p>		
<p>Assessment methods Examiners will be appointed according to NWU policies and Faculty rules/guidelines.</p>		
<p>Assessment criteria Students have mastered the outcomes if they are able to:</p> <ul style="list-style-type: none"> demonstrate advanced and critical knowledge and high levels of theoretical understanding within the field of Pharmacy Practice; make an original contribution to the theoretical knowledge and policy debate in the field of Pharmacy Practice; identify new, relevant research questions within Pharmacy Practice; develop and perform a relevant quantitative and/or qualitative research project in a scientific and ethical manner by using suitable research methods, techniques and procedures applicable to Pharmacy Practice research; interpret and integrate research results in a scientifically justifiable way and compile a thesis that meets international standards; disseminate and defend research findings in writing and verbally in a scientific and ethical way to any audience; and act as an independent research leader in Pharmacy Practice. 		
Module code: MBWK971	Semester 1 and 2	NQF-Level: 10
Title: Thesis (Human Movement Science)		
<p>Module outcomes: After the module has been completed, the student should be able to demonstrate:</p> <ul style="list-style-type: none"> depth of critical knowledge and high levels of theoretical understanding in a complex and specialised area within the field of Human Movement Science and /or across specialised or applied areas and expand or redefine existing knowledge in the field of Human Movement science. 		

<ul style="list-style-type: none"> intellectual independence and advanced research skills through the ability to apply sophisticated knowledge and research methodologies to the solution of complex, unfamiliar problems in the field of Human Movement Science and the competence to integrate and apply theoretical knowledge and research findings within local and global contexts and question existing knowledge boundaries and practices in the field of Human Movements Science and deal with complexity, lacunae and contradictions in the knowledge base of the field of Human Movement Science. autonomous independent judgements about information and concepts at highly abstract levels and make evaluations on the basis of independently generated criteria show mastery of the literature and state of research in a specific area. understanding of own thesis to defend their research against specialist and non-specialist audiences using the full resources of an academic, professional and occupational discourse. research leadership within a field or across disciplines to optimise all aspects of research processes within complex and unpredictable contexts. high levels of responsibility, self-reflexivity and adaptability, with respect to the ethical implications of research, the determination of socially relevant issues and research needs in South Africa, and the ability to relate these issues to international contexts. 		
Mode of delivery: Fulltime/contact. No modules are presented "online" or presented from one campus to students on another campus.		
Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Assessment criteria Students have mastered the outcomes if they are able to: <ul style="list-style-type: none"> Show critical knowledge and high levels of theoretical understanding in a complex and specialised area within the field of Human Movement Science and /or across specialised or applied areas and an original contribution to the knowledge society in Human Movement Science; Show the application and development of intellectual independence and advanced research skills, sophisticated knowledge and research methodologies to the solution of complex, unfamiliar problems in the field of Human Movement Science and the competence to integrate and apply theoretical knowledge and research findings within relevant local and global contexts as well as across disciplines; Show the ability to synthesize, evaluate and question existing knowledge boundaries and practices in the field of Human Movement Science and present responses to problems that expand or redefine existing knowledge; Indicate the analyses of complex lacunae and contradictions in the knowledge base of the field of Human Movement Science; Indicate the ability to generate, synthesize and evaluate information and concepts at highly abstract levels and make sound evaluations on the basis of independently generated criteria; Show mastery of the literature by producing original insights into new and complex ideas, information and issues in a specific area; Defend own research thesis by means of an oral examination against specialist and non-specialist audiences using the full resources of an academic and professional or occupational discourse in the field of Human Movement Science; Plan, resource, manage and optimise all aspects of research processes within complex and unpredictable contexts in Human Movement Science; Apply high levels of responsibility, self-reflexivity and adaptability in own management of learning; and Analyse and evaluate ethical implications of research on socially relevant issues and research needs in South Africa, relate and compare these issues to international contexts. 		
Module code: MWKN971	Semester 1 and 2	NQF-Level: 10
Title: Thesis (Social Work)		
Module outcomes: On completion of the module, the student should be able to demonstrate: <ul style="list-style-type: none"> depth of critical knowledge and high levels of theoretical understanding in a complex and specialized area within the field of Social Work and /or across specialized or applied areas and expand or redefine existing knowledge in the field of Social Work. intellectual independence and advanced research skills through the ability to apply sophisticated knowledge and research methodologies to the solution of complex, unfamiliar problems in the field of Social Work the competence to integrate and apply theoretical knowledge and research findings within local and global contexts. question existing knowledge boundaries and practices in the field of Social Work and existing knowledge. deal with complexity, lacunae and contradictions in the knowledge base of the field of Social Work. autonomous independent judgements about information and concepts at highly abstract levels and make evaluations on the basis of independently generated criteria. show mastery of the literature and state of research in the areas of Eco-systems and social development contexts. research leadership within a field or across disciplines to optimise all aspects of research processes within 		

<p>complex and unpredictable contexts.</p> <ul style="list-style-type: none"> high levels of responsibility, self-reflexivity and adaptability, with respect to the ethical implications of research, the determination of socially relevant issues and research needs in South Africa, and the ability to relate these issues to international contexts. 		
Mode of delivery: Fulltime and Part time.		
Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Assessment criteria Students have mastered the outcomes if they are able to: <ul style="list-style-type: none"> generate and display critical knowledge and high levels of theoretical understanding in a complex and specialised area within the field of Social Work and /or across specialised or applied areas and make an original contribution to the knowledge society in Social Work; apply and develop intellectual independence and advanced research skills, sophisticated knowledge and research methodologies to the solution of complex, unfamiliar problems in the field of Social Work; develop competence to integrate and apply theoretical knowledge and research findings within relevant local and global contexts as well as across disciplines; synthesis, evaluate and question existing knowledge boundaries and practices in the field of Social Work and create responses to problems that expand or redefine existing knowledge; analyse complex lacunae and contradictions in the knowledge base of the field of Social Work; generate, synthesize and evaluate information and concepts at highly abstract levels and make sound evaluations on the basis of independently generated criteria; show mastery of the literature by producing original insights into new and complex ideas, information and issues in a specific area of social work. 		
Module code: PHYS971	Semester 1 and 2	NQF-Level: 10
Title: Thesis (Cardiovascular Physiology)		
Module outcomes: After the module has been completed, the student should: <ul style="list-style-type: none"> Depth of critical knowledge and high levels of theoretical understanding in a complex and specialized area within the field of Cardiovascular Physiology and /or across specialized or applied areas and expand or redefine existing knowledge in the field of Cardiovascular Physiology. Intellectual independence and advanced research skills through the ability to apply sophisticated knowledge and research methodologies to the solution of complex, unfamiliar problems in the field of Cardiovascular Physiology and the competence to integrate and apply theoretical knowledge and research findings within local and global contexts. Autonomous independent judgements about information and concepts at highly abstract levels and make evaluations on the basis of independently generated criteria. Show mastery of the literature and state of research in a specific area of Cardiovascular Physiology. Research leadership within a field of Cardiovascular Physiology or across disciplines to optimize all aspects of the research processes within complex and unpredictable contexts. High levels of responsibility, self-reflexivity and adaptability, with respect to the ethical implications of research in the field of Cardiovascular Physiology, the determination of socially relevant issues and research needs in South Africa, and the ability to relate these issues to international contexts. 		
Mode of delivery: Fulltime – Contact.		
Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Assessment criteria Students have mastered the outcomes if they are able to: <ul style="list-style-type: none"> Generate and display critical knowledge and high levels of theoretical understanding in a complex and specialized area within the field of Cardiovascular Physiology and /or across specialized or applied areas and make an original contribution to the knowledge society in Cardiovascular Physiology; Apply and develop intellectual independence and advanced research skills, sophisticated knowledge and research methodologies to the solution of complex, unfamiliar problems in the field of Cardiovascular Physiology; develop competence to integrate and apply theoretical knowledge and research findings within relevant local and global contexts as well as across disciplines in Cardiovascular Physiology; Generate, synthesize and evaluate information and concepts at highly abstract levels and make sound evaluations on the basis of independently generated criteria; Show mastery of the literature by producing original insights into new and complex ideas, information and issues in a specific area of the Cardiovascular Physiology; Plan, resource, manage and optimize all aspects of research processes within complex and unpredictable contexts in Cardiovascular Physiology; Apply high levels of responsibility, self-reflexivity and adaptability in own management of learning; and analyse and evaluate ethical implications of research on socially relevant issues and research needs in South Africa, relate and compare these issues to international contexts. 		

Module code: PSYC971	Semester 1 and 2	NQF-Level: 10
Title: Thesis (Psychology)		
Module outcomes: After the completion of the module the student should be able to: <ul style="list-style-type: none"> • depth of critical knowledge and high levels of theoretical understanding in a complex, socially relevant and specialised area within the field of Psychology and /or across specialised or applied areas and expand or redefine existing knowledge in the field of Psychology. • intellectual independence and advanced research skills through the ability to apply sophisticated knowledge and research methodologies to the solution of complex problems in the field of Psychology • the competence to integrate and apply theoretical knowledge and research findings within local and global contexts. • ability to question existing knowledge boundaries and practices in the field of Psychology. • ability to deal with complexity, lacunae and contradictions in the knowledge base of the field of Psychology. • autonomous independent judgements about information and concepts at highly abstract levels and make evaluations on the basis of independently generated criteria. • mastery of the literature and state of research in a specific area in Psychology. • research leadership within a field or across disciplines to optimise all aspects of research processes within complex and unpredictable contexts. • high levels of responsibility, self-reflexivity and adaptability, with respect to the ethical implications of research, the determination of socially relevant issues and research needs in South Africa, and the ability to relate these issues to international contexts. 		
Mode of delivery: Fulltime / Part time – Contact / Distance.		
Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Assessment criteria Students have mastered the outcomes if they are able to: <ul style="list-style-type: none"> • depth of critical knowledge and high levels of theoretical understanding in a complex, socially relevant and specialised area within the field of Psychology and /or across specialised or applied areas and expand or redefine existing knowledge in the field of Psychology; • intellectual independence and advanced research skills through the ability to apply sophisticated knowledge and research methodologies to the solution of complex problems in the field of Psychology; • the competence to integrate and apply theoretical knowledge and research findings within local and global contexts; • ability to question existing knowledge boundaries and practices in the field of Psychology; • ability to deal with complexity, lacunae and contradictions in the knowledge base of the field of Psychology; • autonomous independent judgements about information and concepts at highly abstract levels and make evaluations on the basis of independently generated criteria; • mastery of the literature and state of research in a specific area in Psychology; • research leadership within a field or across disciplines to optimise all aspects of research processes within complex and unpredictable contexts; • high levels of responsibility, self-reflexivity and adaptability, with respect to the ethical implications of research, the determination of socially relevant issues and research needs in South Africa, and the ability to relate these issues to international contexts. 		
Module code: RKKX971	Semester 1 and 2	NQF-Level: 10
Title: Thesis (Recreation Science)		
Module outcomes: On completion of the module, the student should be able to demonstrate: <ul style="list-style-type: none"> • depth of critical knowledge and high levels of theoretical understanding in a complex and specialised area within the field of Recreation Science and /or across specialised or applied areas and expand or redefine existing knowledge in the field of Recreation Science. • intellectual independence and advanced research skills through the ability to apply sophisticated knowledge and research methodologies to the solution of complex, unfamiliar problems in the field of Recreation Science and the competence to integrate and apply theoretical knowledge and research findings within local and global contexts and question existing knowledge boundaries and practices in the field of Recreation Science and deal with complexity, lacunae and contradictions in the knowledge base of the field of Recreation Science. • autonomous independent judgements about information and concepts at highly abstract levels and make evaluations on the basis of independently generated criteria • show mastery of the literature and state of research in a specific area. • understanding of own thesis to defend their research against specialist and non-specialist audiences using the full resources of an academic, professional and occupational discourse. • research leadership within a field or across disciplines to optimise all aspects of research processes within complex and unpredictable contexts. • high levels of responsibility, self-reflexivity and adaptability, with respect to the ethical implications of research, 		

the determination of socially relevant issues and research needs in South Africa, and the ability to relate these issues to international contexts.		
Mode of delivery: Fulltime/contact. No modules are presented "online" or presented from one campus to students on another campus.		
Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Assessment criteria Students have mastered the outcomes if they are able to demonstrate: <ul style="list-style-type: none"> critical knowledge and high levels of theoretical understanding in a complex and specialised area within the field of Recreation Science and /or across specialised or applied areas and make an original contribution to the knowledge society in Recreation Science; intellectual independence and advanced research skills, sophisticated knowledge and research methodologies to the solution of complex, unfamiliar problems in the field of Recreation Science and assess competence in integrated and applied theoretical knowledge and research findings within relevant local and global contexts as well as across disciplines; synthesize, evaluate and question existing knowledge boundaries and practices in the field of Recreation Science and responses to problems that expand or redefine existing knowledge; analyses of complex lacunae and contradictions in the knowledge base of the field of Recreation Science; generate, synthesize and evaluate information and concepts at highly abstract levels and make sound evaluations on the basis of independently generated criteria; mastery of the literature with the production of original insights into new and complex ideas, information and issues in a specific area; defend own research thesis by means of an oral examination against specialist and non-specialist audiences using the full resources of an academic and professional or occupational discourse in the field of Recreation Science; plan, resource, manage and optimise all aspects of research processes within complex and unpredictable contexts in Recreation Science; high levels of responsibility, self-reflexivity and adaptability in own management of learning; and ethical implications of research on socially relevant issues and research needs in South Africa, related and compared to the international contexts. 		
Module code: VERB971	Semester 1 and 2	NQF-Level: 10
Title: Thesis (Consumer Science)		
Module outcomes: On completion of the module, the student should be able to demonstrate and or deal with: <ul style="list-style-type: none"> depth of critical knowledge and high levels of theoretical understanding in a complex and specialised area within the field of Consumer Sciences and /or across specialised or applied areas and expand or redefine existing knowledge in the field of Consumer Sciences; intellectual independence and advanced research skills through the ability to apply sophisticated knowledge and research methodologies to the solution of complex, unfamiliar problems in the field of Consumer Sciences and the competence to integrate and apply theoretical knowledge and research findings within local and global contexts; autonomous independent judgements about information and concepts at highly abstract levels and make evaluations on the basis of independently generated criteria; mastery of the literature and state of research in a specific area within Consumer Sciences; research leadership within a field or across disciplines to optimise all aspects of research processes within complex and unpredictable contexts; and high levels of responsibility, self-reflexivity and adaptability, with respect to the ethical implications of research, the determination of socially relevant issues and research needs in South Africa, and the ability to relate these issues to international contexts; questioning existing knowledge boundaries and practices in the field of Consumer Sciences and existing knowledge; complexity, lacunae and contradictions in the knowledge base of the field of Consumer Sciences. 		
Mode of delivery: Fulltime – Contact.		
Assessment methods: Examiners will be appointed according to NWU policies and Faculty rules/guidelines.		
Assessment criteria Students have mastered the outcomes if they are able to: <ul style="list-style-type: none"> generate and display critical knowledge and high levels of theoretical understanding in a complex and specialised area within the field of Consumer Sciences and /or across specialised or applied areas and make an original contribution to the knowledge society in Consumer Sciences; apply and develop intellectual independence and advanced research skills, sophisticated knowledge and research methodologies to the solution of complex, unfamiliar problems in the field of Consumer Sciences and develop competence to integrate and apply theoretical knowledge and research findings within relevant local and global contexts as well as across disciplines; synthesis, evaluate and question existing knowledge boundaries and practices in the field of Consumer 		

<p>Sciences and create responses to problems that expand or redefine existing knowledge;</p> <ul style="list-style-type: none"> analyse complex lacunae and contradictions in the knowledge base of the field of Consumer Sciences; generate, synthesise and evaluate information and concepts at highly abstract levels and make sound evaluations on the basis of independently generated criteria; show mastery of the literature by producing original insights into new and complex ideas, information and issues; plan, resource, manage and optimise all aspects of research processes within complex and unpredictable contexts in Consumer Sciences; apply high levels of responsibility, self-reflexivity and adaptability in own management of learning; analyse and evaluate ethical implications of research on socially relevant issues and research needs in South Africa; and relate and compare these issues to international contexts. 		
Module code: VPVV971	Semester 1 and 2	NQF-Level: 10
Title: Thesis: (Nursing Science)		
<p>Module outcomes:</p> <p>On completion of the module, the student should be able to demonstrate:</p> <ul style="list-style-type: none"> depth of critical knowledge and high levels of theoretical understanding in a complex and specialised area within the field of Nursing and /or across specialised or applied areas and expanding or redefining of existing knowledge in the field of Nursing. intellectual independence and advanced research skills through the ability to apply sophisticated knowledge and research methodologies to the solution of complex, unfamiliar problems in the field of Nursing and the competence to integrate and apply theoretical knowledge and research findings within local and global contexts questioning of existing knowledge boundaries and practices in the field of Nursing and existing knowledge. dealing with complexity, lacunae and contradictions in the knowledge base of the field of Nursing. autonomous independent judgements about information and concepts at highly abstract levels and making evaluations on the basis of independently generated criteria. mastery of the literature and state of research in a specific area in Nursing. preparation of thesis to submit their research for evaluation by specialist audiences using the full resources of an academic, professional and occupational discourse. 		
<p>Mode of delivery: Fulltime / part time. Research under guidance of a study leader supported by research committee.</p>		
<p>Assessment methods:</p> <p>Examiners will be appointed according to NWU policies and Faculty rules/guidelines.</p>		
<p>Assessment criteria</p> <p>Students have mastered the outcomes if they are able to:</p> <ul style="list-style-type: none"> depth of critical knowledge and high levels of theoretical understanding in a complex and specialised area within the field of Nursing and /or across specialised or applied areas and expanding or redefining of existing knowledge in the field of Nursing; intellectual independence and advanced research skills through the ability to apply sophisticated knowledge and research methodologies to the solution of complex, unfamiliar problems in the field of Nursing and the competence to integrate and apply theoretical knowledge and research findings within local and global contexts; questioning of existing knowledge boundaries and practices in the field of Nursing and existing knowledge; dealing with complexity, lacunae and contradictions in the knowledge base of the field of Nursing; autonomous independent judgements about information and concepts at highly abstract levels and making evaluations on the basis of independently generated criteria; mastery of the literature and state of research in a specific area in Nursing; preparation of thesis to submit their research for evaluation by specialist audiences using the full resources of an academic, professional and occupational discourse; research leadership within a field or across disciplines to optimise all aspects of research processes within complex and unpredictable contexts; high levels of responsibility, self-reflexivity and adaptability, with respect to the ethical implications of research, the determination of socially relevant issues and research needs in South Africa, and the ability to relate these issues to international contexts. 		

G.2.4 POSTGRADUATE DIPLOMAS

Module code: FKL T531	Semester 1	NQF-Level: 8
Title: Principles of Pharmacokinetics		
Module Outcomes: After successful completion of this module, the student will be able to: <ul style="list-style-type: none"> • demonstrate integrated and advanced knowledge of pharmacokinetic principles and the factors influencing pharmacokinetics; • reveal the ability to critically evaluate multiple sources of knowledge and to retrieve the latest information on pharmacokinetic principles with a view to apply pharmacokinetic principles in pharmacological calculations within clinical scenarios and case studies; • participate via academically sound communication principles in online group discussions with a view to demonstrate the ability to use learnt knowledge to solve contextual problems. 		
Mode of delivery: Distance learning		
Assessment Methods: Learning outcomes for each module is assessed via: <ul style="list-style-type: none"> • an assignment, • a moderated electronic group discussion (excluding), and • an electronic examination. After completion of all modules as prescribed, the student must successfully complete an oral examination (via telephone conferencing), including an external examiner and two internal examiners, on all pharmacological topics (see Module 12) to obtain the postgraduate diploma.		
Module code: FKL T532	Semester 1	NQF-Level: 8
Title: Principles of Pharmacodynamics		
Module Outcomes: After successful completion of this module, the student will be able to: <ul style="list-style-type: none"> • demonstrate integrated knowledge and engagement in pharmacodynamics principles to assess the impact of drugs on a patient, to assess drug actions from pharmacodynamics parameters and to determine beforehand whether or not a certain combination of drugs is desirable; • demonstrate advanced knowledge of the various drug-receptor interactions of agonists and antagonists; • demonstrate the ability to critically evaluate and interpret in vitro and in vivo experimental data and findings and then apply the principles of linear drug-receptor interactions to the complicated non-linear drug-receptor interactions in order to address and solve complex pharmacodynamics problems; • participate via academically sound communication principles in online group discussions with a view to demonstrate the ability to use learnt knowledge to solve contextual problems. 		
Mode of delivery: Distance learning		
Assessment Methods: Learning outcomes for each module is assessed via: <ul style="list-style-type: none"> • an assignment, • a moderated electronic group discussion (excluding), and • an electronic examination. After completion of all modules as prescribed, the student must successfully complete an oral examination (via telephone conferencing), including an external examiner and two internal examiners, on all pharmacological topics (see Module 12) to obtain the postgraduate diploma.		
Module code: FKL T533	Semester 1	NQF-Level: 8
Title: Drugs for Pain, Inflammation, Fever and Airway Diseases		
Module Outcomes: After successful completion of this module, the student will be able to: <ul style="list-style-type: none"> • demonstrate integrated and advanced knowledge of drug classifications, their respective mechanism of actions and pharmacokinetics of drugs used in the management of pain, inflammation, fever and airways diseases; • demonstrate integrated knowledge of therapeutic applications, contra-indications, side effects and relevant drug interactions with a view to analyse and critically evaluate different drug treatments within clinical scenarios and to demonstrate a patient-orientated approach in order to advise patient of effective drug use; • reveal the ability to critically evaluate multiple sources of knowledge and to retrieve the latest information on drugs for treating disorders related to pain, inflammation, fever and airways diseases; • participate via academically sound communication principles in online group discussions with a view to demonstrate the ability to use learnt knowledge to solve contextual problems; • critically judge ethical conduct of other healthcare workers and to defend or oppose the application of a social and ethical code in appropriate drug selections and where required to change conduct or guidelines. 		
Mode of delivery: Distance learning		
Assessment Methods: Learning outcomes for each module is assessed via: <ul style="list-style-type: none"> • an assignment, • a moderated electronic group discussion (excluding), and • an electronic examination. 		

After completion of all modules as prescribed, the student must successfully complete an oral examination (via telephone conferencing), including an external examiner and two internal examiners, on all pharmacological topics (see Module 12) to obtain the postgraduate diploma.		
Module code: FKLT541	Semester 1	NQF-Level: 8
Title: Drugs and the Peripheral Nervous System		
Module Outcomes: After successful completion of this module, the student will be able to: <ul style="list-style-type: none"> • demonstrate integrated and advanced knowledge of drug classifications, their respective mechanism of actions and pharmacokinetics in the peripheral nervous system; • demonstrate integrated knowledge of therapeutic applications, contra-indications, side effects and relevant drug interactions with a view to analyse and critically evaluate different drug treatments within clinical scenarios relevant to the peripheral nervous system; • reveal the ability to critically evaluate multiple sources and to retrieve the latest information on drugs for treating the appropriate disease states; • participate via academically sound communication principles in online group discussions with a view to demonstrate the ability to use learnt knowledge to solve contextual problems; • critically judge ethical conduct of other healthcare workers and to defend or oppose the application of a social and ethical code in appropriate drug selections and where required to change conduct or guidelines. 		
Mode of delivery: Distance learning		
Assessment Methods: Learning outcomes for each module is assessed via: <ul style="list-style-type: none"> • an assignment, • a moderated electronic group discussion (excluding), and • an electronic examination. After completion of all modules as prescribed, the student must successfully complete an oral examination (via telephone conferencing), including an external examiner and two internal examiners, on all pharmacological topics (see Module 12) to obtain the postgraduate diploma.		
Module code: FKLT542	Semester 1	NQF-Level: 8
Title: Chemotherapy of Infections and Infestations		
Module Outcomes: After successful completion of this module, the student will be able to: <ul style="list-style-type: none"> • demonstrate integrated and advanced knowledge of drug classifications, their respective pharmacological mechanism of actions and pharmacokinetics of antimicrobial drugs and other drugs used in the treatment of infectious diseases; • demonstrate integrated knowledge of therapeutic applications, contra-indications, side effects and relevant drug interactions with a view to analyse and critically evaluate different drug treatments within clinical scenarios relevant to infections and infestation and to demonstrate a patient-directed approach and the ability to advise patients regarding effective anti-infective drug use in view of the global increase in microbial drug resistance; • reveal the ability to critically evaluate multiple sources and to retrieve the latest information on drugs for treating an ever changing microbiological environment; • participate via academically sound communication principles in online group discussions with a view to demonstrate the ability to use learnt knowledge to solve contextual problems. 		
Mode of delivery: Distance learning		
Assessment Methods: Learning outcomes for each module is assessed via: <ul style="list-style-type: none"> • an assignment, • a moderated electronic group discussion (excluding), and • an electronic examination. After completion of all modules as prescribed, the student must successfully complete an oral examination (via telephone conferencing), including an external examiner and two internal examiners, on all pharmacological topics (see Module 12) to obtain the postgraduate diploma.		
Module code: FKLT551	Semester 2	NQF-Level: 8
Title: Drugs and the Central Nervous System		
Module Outcomes: After successful completion of this module, the student will be able to: <ul style="list-style-type: none"> • demonstrate integrated and advanced knowledge of drug classifications, their respective mechanism of actions and pharmacokinetics in the central nervous system; • demonstrate integrated knowledge of therapeutic applications, contra-indications, side effects and relevant drug interactions with a view to analyse and critically evaluate different drug treatments within clinical scenarios relevant to the central nervous system; • reveal the ability to critically evaluate multiple sources of knowledge and to retrieve the latest information on drugs for treating the appropriate disease states; • participate via academically sound communication principles in online group discussions with a view to 		

<p>demonstrate the ability to use learnt knowledge to solve contextual problems;</p> <ul style="list-style-type: none"> critically judge ethical conduct of other healthcare workers and to defend or oppose the application of a social and ethical code in appropriate drug selections and where required to change conduct or guidelines. 		
Mode of delivery: Distance learning		
<p>Assessment Methods: Learning outcomes for each module is assessed via:</p> <ul style="list-style-type: none"> an assignment, a moderated electronic group discussion (excluding), and an electronic examination. <p>After completion of all modules as prescribed, the student must successfully complete an oral examination (via telephone conferencing), including an external examiner and two internal examiners, on all pharmacological topics (see Module 12) to obtain the postgraduate diploma.</p>		
Module code: FKL T552	Semester 2	NQF-Level: 8
Title: Hormones, Hominoids and Hormone Antagonists		
<p>Module Outcomes:</p> <p>After successful completion of this module, the student will be able to:</p> <ul style="list-style-type: none"> demonstrate integrated and advanced knowledge of drug classifications, their respective mechanism of actions, site of release and site of action as well as pharmacodynamics and pharmacokinetic parameters of hormone-active drugs; demonstrate integrated knowledge of therapeutic applications, contra-indications, side effects and relevant drug interactions with a view to analyse and critically evaluate different drug treatments within clinical scenarios relevant to the endocrine systems and hormone-active drugs ; reveal the ability to critically evaluate multiple sources and to retrieve the latest information on hormone-active drugs in order to provide effective patient advice with regard to the use of hormone-active drugs; participate via academically sound communication principles in online group discussions with a view to demonstrate the ability to use learnt knowledge to solve contextual problems; critically judge the social-ethical implications of specific hormone-active drug treatment regimens and defend or oppose the application of a social and ethical code in appropriate drug selections and where required to change conduct or guidelines. 		
Mode of delivery: Distance learning		
<p>Assessment Methods: Learning outcomes for each module is assessed via:</p> <ul style="list-style-type: none"> an assignment, a moderated electronic group discussion (excluding), and an electronic examination. <p>After completion of all modules as prescribed, the student must successfully complete an oral examination (via telephone conferencing), including an external examiner and two internal examiners, on all pharmacological topics (see Module 12) to obtain the postgraduate diploma.</p>		
Module code: FKL T561	Semester 2	NQF-Level: 8
Title: Drugs and the Cardiovascular System		
<p>Module Outcomes:</p> <p>After successful completion of this module, the student will be able to:</p> <ul style="list-style-type: none"> demonstrate integrated and advanced knowledge of drug classifications, their respective pharmacological mechanism of actions and pharmacokinetics of drugs used in the management of cardiovascular diseases as well as drugs that affect renal and cardiovascular functioning; demonstrate integrated knowledge of therapeutic applications, contra-indications, side effects and relevant drug interactions with a view to analyse and critically evaluate different drug treatments within clinical scenarios relevant to the cardiovascular and renal systems; reveal the ability to critically evaluate multiple sources and to retrieve the latest information on drugs for treating various cardiovascular disease states; participate via academically sound communication principles in online group discussions with a view to demonstrate the ability to use learnt knowledge to solve contextual problems critically judge ethical conduct of other healthcare workers and to defend or oppose the application of a social and ethical code in appropriate drug selections and where required to change conduct or guidelines. 		
Mode of delivery: Distance learning		
<p>Assessment Methods: Learning outcomes for each module is assessed via:</p> <ul style="list-style-type: none"> an assignment, a moderated electronic group discussion (excluding), and an electronic examination. <p>After completion of all modules as prescribed, the student must successfully complete an oral examination (via telephone conferencing), including an external examiner and two internal examiners, on all pharmacological topics (see Module 12) to obtain the postgraduate diploma.</p>		
Module code: FKL T562	Semester 2	NQF-Level: 8
Title: Drugs for GIT and Skin Disorders		
Module Outcomes:		

<p>After successful completion of this module, the student will be able to:</p> <ul style="list-style-type: none"> • demonstrate integrated and advanced knowledge of drug classifications, their respective mechanism of actions and pharmacokinetics of drug used in the treatment of gastrointestinal tract and skin disorders; • demonstrate integrated knowledge of therapeutic applications, contra-indications, side effects and relevant drug interactions with a view to analyse and critically evaluate different drug treatments within clinical scenarios relevant to the gastrointestinal tract and skin; • reveal the ability to critically evaluate multiple sources and to retrieve the latest information on drugs for treating conditions associated with the gastrointestinal tract and skin disorders; • participate via academically sound communication principles in online group discussions with a view to demonstrate the ability to use learnt knowledge to solve contextual problems; • critically judge ethical conduct of other healthcare workers and to defend or oppose the application of a social and ethical code in appropriate drug selections and where required to change conduct or guidelines. 		
Mode of delivery: Distance learning		
<p>Assessment Methods: Learning outcomes for each module is assessed via:</p> <ul style="list-style-type: none"> • an assignment, • a moderated electronic group discussion (excluding), and • an electronic examination. <p>After completion of all modules as prescribed, the student must successfully complete an oral examination (via telephone conferencing), including an external examiner and two internal examiners, on all pharmacological topics (see Module 12) to obtain the postgraduate diploma.</p>		
Module code: FKLT563	Semester 2	NQF-Level: 8
Title: Vitamins, Haematopoietic and Immunopharmacology		
<p>Module Outcomes:</p> <p>After successful completion of this module, the student will be able to:</p> <ul style="list-style-type: none"> • demonstrate integrated and advanced knowledge of drug classifications, their respective mechanism of actions and pharmacokinetics of drugs used in the treatment of cancer, various disease states that result from vitamin and mineral deficiencies, disorders pertaining to the blood forming organs, and disorders of the neuro-immune system; • demonstrate integrated knowledge of therapeutic applications, contra-indications, side effects and relevant drug interactions with a view to analyse and critically evaluate different drug treatments within clinical scenarios relevant to vitamins, haematopoietic and immunopharmacology; • reveal the ability to critically evaluate multiple sources and to retrieve the latest information on drugs for treating the appropriate disease states; • participate via academically sound communication principles in online group discussions with a view to demonstrate the ability to use learnt knowledge to solve contextual problems; • critically judge ethical conduct of other healthcare workers and to defend or oppose the application of a social and ethical code in appropriate drug selections and where required to change conduct or guidelines. 		
Mode of delivery: Distance learning		
<p>Assessment Methods: Learning outcomes for each module is assessed via:</p> <ul style="list-style-type: none"> • an assignment, • a moderated electronic group discussion (excluding), and • an electronic examination. <p>After completion of all modules as prescribed, the student must successfully complete an oral examination (via telephone conferencing), including an external examiner and two internal examiners, on all pharmacological topics (see Module 12) to obtain the postgraduate diploma.</p>		
Module code: FKLT564	Semester 2	NQF-Level: 8
Title: Advanced Pharmacological Principles		
<p>Module Outcomes:</p> <p>After successful completion of this module, the student will be able to:</p> <ul style="list-style-type: none"> • demonstrate integrated and advanced knowledge of clinical pharmacokinetic principles, appropriate drug dosing schedules and different drug interactions with a view to analyse and critically evaluate different drug treatments in the pharmacological field; • reveal the ability to use the principles of chrono-pharmacology to enhance therapy in patients within clinical scenarios; • reveal the ability to critically evaluate gene therapy; • reveal the ability to critically evaluate multiple sources and to retrieve the latest pharmacological information on drugs for treating various disease states; • participate via academically sound communication principles in online group discussions with a view to demonstrate the ability to use learnt knowledge to solve contextual problems; • critically judge ethical conduct of other healthcare workers and to defend or oppose the application of a social and ethical code in appropriate drug selections and where required to change conduct or guidelines. 		
Mode of delivery: Distance learning		
<p>Assessment Methods: Learning outcomes for each module is assessed via:</p> <ul style="list-style-type: none"> • an assignment, 		

- a moderated electronic group discussion (excluding), and
- an electronic examination.

After completion of all modules as prescribed, the student must successfully complete an oral examination (via telephone conferencing), including an external examiner and two internal examiners, on all pharmacological topics (see Module 12) to obtain the postgraduate diploma.

Module code: FKL571

Semester 2

NQF-Level: 8

Title: Integrated Pharmacology

Module Outcomes:

After successful completion of this module, the student will be able to:

The programme outcomes states that successful completion of the Post Graduate Diploma in Pharmacological Principles of Drug Therapy 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 12) the student must be able to:

- demonstrate integrated and advanced knowledge and insight into the dynamics and kinetics and interactions between drugs;
- reveal the ability to compile individualised pharmaco-therapeutic approaches, based on advanced pharmacological knowledge, insights and an appropriate ethical value system.

These knowledge, skills and values will be evaluated with regard to all topics of the preceding modules including your ability to:

- demonstrate integrated and advanced knowledge of drug classifications, their respective mechanism of actions and pharmacokinetics of all drugs;
- demonstrate integrated knowledge of therapeutic applications, contra-indications, side effects and relevant drug interactions with a view to analyse and critically evaluate different drug treatments within clinical scenarios relevant to all drugs and to demonstrate a patient-orientated approach in order to advise patient of effective drug use;
- reveal the ability to critically evaluate treatment scenarios and propose rational alternatives;
- reveal the ability to critically evaluate multiple sources and to retrieve the latest information on drugs for treating the various disease states.

Mode of delivery: Distance learning

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 student must successfully complete an oral examination (via telephone conferencing), including an external examiner and two internal examiners, on all pharmacological topics (see Module 12) to obtain the postgraduate diploma.

Module code: ADMN511

Semester 1

NQF-Level: 8

Title: Specialist Midwife: Practitioner, Leader and Consultant

Module-outcomes:

On completion of the module, the student should be able to demonstrate:

- Applied knowledge and engagement in the field of midwifery with specific reference to the midwife as a practitioner, leader and consultant;
- an understanding of the theories, and application of methods and techniques relevant to the context of midwifery.
- an ability to use a variety of specialised skills to address complex problems drawing systematically on the body of knowledge and methods with regard to the midwife as a practitioner, leader and consultant.
- Articulate personal responsibility, professional codes of conduct and ethical dilemmas and their significance in clinical practice.
- Review information and research findings to enhance evidence-based practice and in the field of midwifery and neonatal care.
- Operate in complex and unpredictable contexts in the field of midwifery and apply standard techniques.
- An ability to take full responsibility for own work, learning, and decision making and use of resources with specific reference to the midwife as a practitioner, leader and consultant.

Mode of delivery: Part time – Contact on Potchefstroom Campus.

Assessment methods: 2 Assignments or tests and one semester test. 1 (x 3 hour paper) examination at the end of semester.

Module code: ADMN571

Semester 1 and 2

NQF-Level: 8

Title: Midwife specialist: Maternal care

Module-outcomes:

On completion of the module, the student should be able to demonstrate:

- Applied knowledge and engagement in the field of ante-, intra- and postpartum care;
- Understanding of the theories, and application of methods and techniques relevant to the context of ante-, intra- and postpartum care.

<ul style="list-style-type: none"> Ability to promote, maintain and restore health and address complex problems by using the scientific approach in assessing, diagnosing, planning, implementing, evaluating and documenting holistic ante-, intra- and postpartum care. Articulate personal responsibility, professional codes of conduct and ethical dilemmas and their significance in ante-, intra- and postpartum care. Ability to review information and research findings to enhance evidence-based practice in the field of ante-, intra- and postpartum care. Operate in complex and unpredictable contexts in the fields of ante-, intra- and postpartum care, and apply standard techniques. High levels of responsibility, self-reflectivity on and adaptability to own learning, practice and professional development with regard to ante-, intra- and postpartum care. 		
Mode of delivery: Part time – Contact on Potchefstroom Campus.		
Assessment methods: 2 Assignments or tests and one semester test. 1 (x 3 hour paper) examination at the end of semester.		
Module code: ADMN572	Semester 2	NQF-Level: 8
Title: The Neonatal Clinician		
Module-outcome:		
On completion of the module, the student should be able to demonstrate:		
<ul style="list-style-type: none"> Applied knowledge and engagement in the field of neonatal care; demonstrate an understanding of the theories and application of methods and techniques relevant to the context of neonatal care. An ability to promote, maintain and restore health and address complex problems by applying the scientific approach in assessing, diagnosing, planning, implementing, evaluating and documenting holistic neonatal care. Articulate personal responsibility, professional codes of conduct and ethical dilemmas and their significance in clinical neonatal practice. Review information and research findings to enhance evidence-based practice and the field of neonatal care. Operate in complex and unpredictable contexts in the field of neonatal care and apply standard techniques. An ability to take full responsibility for own work, learning, decision making and use of resources with specific reference to the neonatal clinician. 		
Mode of delivery Part time – Contact on Potchefstroom Campus.		
Assessment methods: 2 Assignments or tests and one semester test. 1 (x 3 hour paper) examination at the end of semester.		
Module code: ADMN573	Semester 1 and 2	NQF-Level: 8
Title: Specialist Midwife: Practica		
Module-outcomes:		
On completion of the module, the student should be able to demonstrate:		
<ul style="list-style-type: none"> Applied knowledge and engagement in the field of clinical midwifery and neonatal care an understanding of the theories, and application of methods and techniques relevant to the context of midwifery and neonatal care. Demonstrate an understanding of the complexities and uncertainties of selecting, applying or transferring appropriate standard procedures, processes or techniques in the field of advanced midwifery and neonatal care to unfamiliar problems in the specialised field, discipline or practice and utilise appropriate technology and techniques while caring in a scientific, individualised and holistic manner within the legal-ethical framework of South Africa. An ability to promote, maintain and restore health and address complex problem in clinical practice by using the scientific approach in assessing, diagnosing, planning, implementing, evaluating and documenting holistic midwifery and neonatal care. Articulate personal responsibility, professional codes of conduct and ethical dilemmas and their significance in clinical midwifery and neonatal practice. Review information and research findings to enhance evidence-based practice and in the field of clinical midwifery and neonatal care. Operate in complex and unpredictable clinical contexts in the field of midwifery and neonatal care, and apply standard techniques. High levels of responsibility, self-reflectivity and adaptability on own learning, practice and professional development with regard to clinical midwifery and neonatal care. 		
Mode of delivery:		
Completion of a portfolio and clinical practica –hours (SANC) according to guidelines and instruction.		
Assessment methods: Compilation of a portfolio of evidence. 1 clinical examination at the end of year.		
Module code: NSCT211	Semester 1	NQF-Level: 7
Title: Grounding of Community Nursing Science		
Module-outcomes:		
On completion of this module the student should be able to:		
<ul style="list-style-type: none"> Implement the scientific community nursing process in caring for the individual, the family and the community; Consider the physical, psychological, social and cultural dimensions pertaining to the family and the 		

<ul style="list-style-type: none"> community; the influence of the environment with regard to disease patterns and tendencies; and The development, organisation, functioning and control of community health services in international and national health systems. 		
Mode of delivery: Contact sessions at selected study centres. Completion of a portfolio and clinical practica – hours (SANC) according to guidelines and instruction.		
Assessment methods: Assignments, tests, portfolio and examination paper.		
Module code: NSCT221	Semester 2	NQF-Level: 7
Title: Principles of Primary Health Care		
Module-outcomes:		
On completion of this module the student should be able to:		
<ul style="list-style-type: none"> 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; exhibit knowledge and skill in implementing the primary health care principles; and demonstrate knowledge in assessing, diagnosing and managing individuals of all age groups to promote rational and safe drug use at primary health care level. 		
Mode of delivery: Contact sessions at selected study centres.		
Assessment methods: Assignments, tests and examination paper.		
Module code: NSCT271	Semester 1 and 2	NQF-Level: 7
Title: Community Nursing Science Practice		
Module-outcomes:		
On completion of the practica for NSCT271 the student should be able to:		
<ul style="list-style-type: none"> 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; exhibit knowledge and skill in assessing and managing the mother and child, adult and geriatric patient; and manage and control communicable diseases within the community. 		
Mode of delivery: Completion of a portfolio and clinical practica –hours (SANC) according to guidelines and instruction.		
Assessment methods: Portfolio.		
Module code: NSDT111	Semester 1	NQF-Level: 6
Title: Health Science Dynamics		
Module-outcomes:		
The students must be able to:-		
<ul style="list-style-type: none"> Demonstrate a sound knowledge of the health care system of South Africa; Demonstrate an understanding of the ethics of caring; Demonstrate the ability to debate the concept "professionalism" as related to health care professionals; Demonstrate the ability to act ethically in any given health care situation; implement interpersonal and communication skills; Participate effectively as a health practitioner in the multi-disciplinary team. 		
Mode of delivery: Contact sessions at selected study centres.		
Assessment methods: 2 Assignments and a semester test – formative 1 (X 3 hour paper) examination at the end of semester.		
Module code: NSET111	Semester 1	NQF-Level: 6
Title: Health Science Education: Introduction		
Module-outcomes:		
On completion of this module the student should be able to:		
<ul style="list-style-type: none"> demonstrate knowledge of the psychological framework regarding human behaviour in the educational process; be knowledgeable about growth dynamics; have an understanding about information processing, learning strategies and motivation; and motivate the imperativeness of effective education and achieving positive teaching outcomes. 		
Mode of delivery: Contact sessions at selected study centres.		
Assessment methods: Assignments, tests and examination paper.		
Module code: NSET211	Semester 1	NQF-Level: 7
Title: Curriculum Studies		
Module-outcomes:		
On completion of this module the student should be able to:		
<ul style="list-style-type: none"> demonstrate knowledge, skills and attitude regarding SAQA/NQF/OBE; the skills development act; outcomes based education; outcomes based education and the curriculum; and study guide development and lesson plans; outcomes based learning and the learning accompanist; outcomes based learning and the adult student. 		
Mode of delivery: Contact sessions at selected study centres.		

Assessment methods: Assignments, tests and examination paper.		
Module code: NSET221	Semester 2	NQF-Level: 7
Title: Didactics		
Module-outcomes: On completion of this module the student should be able to:		
<ul style="list-style-type: none"> 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). 		
Mode of delivery: Contact sessions at selected study centres.		
Assessment methods: Assignments, tests and examination paper.		
Module code: NSET271	Semester 1 and 2	NQF-Level: 7
Title: Health Science Education: Practica		
Module-outcomes: On completion of this module the student should be able to:		
<ul style="list-style-type: none"> demonstrate confidence in the planning of learning opportunities; utilise various teaching strategies; and create a context conducive to learning; evaluate learning; write a report on nursing school administration. 		
Mode of delivery: Completion of a portfolio according to guidelines and instruction.		
Assessment methods: Portfolio.		
Module code: NSFT121	Semester 2	NQF-Level: 6
Title: Financial Health Management		
Module-outcomes: On completion of this module the student should be able to:		
<ul style="list-style-type: none"> discuss cost and financial management in health services; understand the cost elements in health care services; understand planning and budgeting in health services; and understand cost control and decision making. 		
Mode of delivery: Contact sessions at selected study centres.		
Assessment methods: Assignments, tests and examination paper.		
Module code: NSHT211	Semester 1	NQF-Level: 7
Title: Clinical Nursing Science, Health Assessment, Treatment And Care: Introduction		
Module-outcomes: On completion of this module the student should be able to:		
<ul style="list-style-type: none"> discuss the consultation process and implement the history taking, physical examination, diagnosis and management of a patient; and exhibit knowledge and skill in the assessment, diagnosis and management of patients with ear-, nose and throat, ophthalmological-, respiratory- and cardiovascular conditions in adult and children. 		
Mode of delivery: Distance learning		
Assessment methods: One examination paper.		
Module code: NSHT221	Semester 2	NQF-Level: 7
Title: Clinical Nursing Science, Health Assessment, Treatment And Care		
Module-outcomes: On completion of this module the student should be able to:		
<ul style="list-style-type: none"> 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 Assess, manage and treat communicable diseases and treat patients with special problems. 		
Mode of delivery: Contact sessions at selected study centres.		
Assessment methods: Assignments, tests and examination paper.		
Module code: NSHT271	Semester 1 and 2	NQF-Level: 7
Title: Clinical Nursing Science, Health Assessment, Treatment And Care: Practica		
Module-outcomes: On completion of this module the student should be able to:		
<ul style="list-style-type: none"> 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; assemble and synthesize the information systematically for diagnosis and proper management of the patient; and act independently within the legal and ethical framework in a diverse health team of individuals and families in the community. 		
Mode of delivery: Completion of a portfolio and clinical practica –hours (SANC) according to guidelines and instruction.		
Assessment methods: Portfolio and practical examination.		
Module code: NSKT211	Semester 1	NQF-Level: 7
Title: Pharmacology		
Module-outcomes: On completion of this modules the student should be able to:		

<ul style="list-style-type: none"> demonstrate knowledge on common terms used in pharmacology. Success depends on knowledge of the pharmacological language; operationalization 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. 		
Mode of delivery: Contact sessions at selected study centres.		
Assessment methods: Assignments, tests and examination paper.		
Module code: NSMT211	Semester 1	NQF-Level: 7
Title: Unit/Clinic Management		
Module-outcomes: On completion of this module the student should be able to: <ul style="list-style-type: none"> explain what management and unit management is; apply the management process in the nursing unit; debate the necessity of policy and procedure manuals in the nursing unit; describe the unit managers' financial and budgetary responsibilities; illustrate an effective staff scheduling plan; outline the supervisory duties of the unit manager and; formulate a disaster and emergency plan for the nursing unit. 		
Mode of delivery: Contact sessions at selected study centres.		
Assessment methods: Assignments, tests and examination paper.		
Module code: NSMT221	Semester 2	NQF-Level: 7
Title: Human Resources Management		
Module-outcomes: After studying this module the student should be able to: <ul style="list-style-type: none"> discuss the principles of quality improvement; apply the process of quality improvement; implement a quality improvement programme in the health service; formulate and apply total quality management in the health service; apply risk management and case management; and implement information systems in the management of the health organisation. 		
Mode of delivery: Contact sessions at selected study centres.		
Assessment methods: Assignments, tests and examination paper.		
Module code: NSMT271	Semester 1 and 2	NQF-Level: 7
Title: Health Service Management Practica		
Module-outcomes: On completion of this module the student should be able to: <ul style="list-style-type: none"> 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; 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 discuss the role of the Health Service Manager in the clinic/hospital/unit with regard to the finances and personnel/staff/manpower. 		
Mode of delivery: Completion of portfolio according to guidelines and instruction.		
Assessment methods: Portfolio.		
Module code: NSRT121	Semester 2	NQF-Level: 6
Title: Health Science Research		
Module-outcomes: The student must be able to: <ul style="list-style-type: none"> understand the meaning and usefulness of Health Science Research Demonstrate an understanding of research methods; Demonstrate an understanding of the research process utilise research results in the health practice. 		
Mode of delivery: Contact sessions at selected study centres.		
Assessment methods: 2 Assignments and a semester test. 1 (X 3 hour paper) examination at the end of semester.		
Module code: PFCP511	First semester	NQF level: 8
Title: Cosmetic science, research, development and manufacturing		
Module outcomes: After successful completion of this module, the student will be able to: <ul style="list-style-type: none"> demonstrate integrated and advanced knowledge of physico-chemical principles of dispersions and the factors influencing stability and efficacy; reveal the ability to critically evaluate multiple sources of knowledge and to retrieve the latest information on 		

<p>delivery systems and formulation science with a view to apply these principles in new product development;</p> <ul style="list-style-type: none"> • demonstrate advanced knowledge of the new product development process; • demonstrate advanced knowledge of the various stability, safety and efficacy testing procedures; • demonstrate integrated and advanced knowledge of claims support testing; • demonstrate integrated knowledge and engagement into the regulations and legislation regarding to cosmetic products; • have a good understanding and knowledge of the materials used in the different packaging types and their potential interaction with cosmetic formulations; • Recognise and classify raw ingredients into their functional groups, understand the mechanism of action of raw ingredients and/or raw ingredient functional groups, know the purpose of using specific raw ingredients and/or raw ingredient functional groups in cosmetics and understand the factors influencing raw ingredient effectiveness in formulations, e.g. pH, incompatibilities, formulation type etc. • demonstrate integrated knowledge and engagement in quality control, quality assurance and total quality management. 		
Mode of delivery: Fulltime/Part-time – Contact		
Assessment methods		Assessment criteria
Formal Formative: Assignments [40%]	Summative: Formulation of cosmetic product and compilation of product dossier [60%]	The outcomes have been mastered when the student can: <ul style="list-style-type: none"> • Successfully complete all the exercises as listed in the different Study Units and obtain a minimum of 50% for each exercise • Put a final product together according to the product brief and compile the dossier accordingly. The mark obtained as given by the lecturer will account for 60% of the final mark.
Module code: PFCP512	First semester	NQF level: 8
Title: Formulation of personal care products		
Module outcomes: After successful completion of this module, the student will be able to: <ul style="list-style-type: none"> • demonstrate integrated knowledge and engagement in formulation and development of personal care products, e.g. bathing products, hair removal products and shaving products. • have a good understanding and knowledge of the materials used in the different personal care product formulations • demonstrate advanced knowledge of the various stability, safety and efficacy testing procedures. 		
Mode of delivery: Fulltime/Part-time – Contact		
Assessment methods		Assessment criteria
Formal Formative: Assignments [40%]	Summative: Formulation of cosmetic product and compilation of product dossier [60%]	The outcomes have been mastered when the student can: <ul style="list-style-type: none"> • Successfully complete all the exercises as listed in the different Study Units and obtain a minimum of 50% for each exercise • Put a final product together according to the product brief and compile the dossier accordingly. The mark obtained as given by the lecturer will account for 60% of the final mark
Module code: PFCP513	First semester	NQF level: 8
Title: Formulation of skin care products		
Module outcomes: After successful completion of this module, the student will be able to: <ul style="list-style-type: none"> • demonstrate integrated and advanced knowledge of the formulation of gels, lotions and creams. • to assess the rheological properties and instabilities of these formulations; • demonstrate advanced knowledge of manufacturing and packaging of the named products; 		
Mode of delivery: Fulltime/Part-time – Contact		
Assessment methods		Assessment criteria
Formal Formative: Assignments [40%]	Summative: Formulation of cosmetic product and compilation of product dossier [60%]	The outcomes have been mastered when the student can: <ul style="list-style-type: none"> • Successfully complete all the exercises as listed in the different Study Units and obtain a minimum of 50% for each exercise • Put a final product together according to the product brief and compile the dossier accordingly. The mark obtained as given by the lecturer will account for 60% of the final mark
Module code: PFCP521	Second semester	NQF level: 8

Title: Formulation of sun care products		
Module outcomes: After successful completion of this module, the student will be able to: <ul style="list-style-type: none"> • demonstrate integrated and advanced knowledge of sunscreens and their respective mechanism of actions; • demonstrate integrated knowledge of the pigmentation process and the treatment thereof • demonstrate integrated knowledge and engagement in formulation and development of sun care products • demonstrate integrated knowledge and engagement into the regulations and legislation regarding to sun care products; • reveal the ability to critically evaluate the affectivity of these products. 		
Mode of delivery: Fulltime/Part-time – Contact		
Assessment methods		Assessment criteria
Formal Formative: Assignments [40%]	Summative: Formulation of cosmetic product and compilation of product dossier [60%]	The outcomes have been mastered when the student can: <ul style="list-style-type: none"> • Successfully complete all the exercises as listed in the different Study Units and obtain a minimum of 50% for each exercise • Put a final product together according to the product brief and compile the dossier accordingly. The mark obtained as given by the lecturer will account for 60% of the final mark
Module code: PFCP522	Second semester	NQF level: 8
Title: Formulation of fragrance products		
Module outcomes: After successful completion of this module, the student will be able to: <ul style="list-style-type: none"> • demonstrate integrated and advanced knowledge of natural fragrances and aroma chemicals; • demonstrate integrated knowledge of fragrance compounds, base compounds, perfume families, allergens, notes, volatility and olfactory characteristics; • demonstrate integrated knowledge and engagement in formulation and development of fragrance products • demonstrate integrated knowledge and engagement in formulation and development of antiperspirant and deodorant products • understand the processes involved in the manufacture and packaging of deodorant cosmetics 		
Mode of delivery: Fulltime/Part-time – Contact		
Assessment methods		Assessment criteria
Formal Formative: Assignments [40%]	Summative: Formulation of cosmetic product and compilation of product dossier [60%]	The outcomes have been mastered when the student can: <ul style="list-style-type: none"> • Successfully complete all the exercises as listed in the different Study Units and obtain a minimum of 50% for each exercise • Put a final product together according to the product brief and compile the dossier accordingly. The mark obtained as given by the lecturer will account for 60% of the final mark
Module code: PFCP523	Second semester	NQF level: 8
Title: Formulating hair care products: shampoos and conditioners		
Module outcomes: After successful completion of this module, the student will be able to: <ul style="list-style-type: none"> • demonstrate integrated and advanced knowledge of hair care chemicals; • demonstrate integrated knowledge of hair care product compounds, the chemistry of surfactants and other raw materials; • demonstrate integrated knowledge and engagement in formulation and development of hair care products • demonstrate integrated knowledge and engagement in formulation and development of hair care products • understand the processes involved in the manufacture and packaging of hair care products. 		
Mode of delivery: Fulltime/Part-time – Contact		
Assessment methods		Assessment criteria
Formal Formative: Assignments [40%]	Summative: Formulation of cosmetic product and compilation of product dossier [60%]	The outcomes have been mastered when the student can: <ul style="list-style-type: none"> • Successfully complete all the exercises as listed in the different Study Units and obtain a minimum of 50% for each exercise • Put a final product together according to the product brief and compile the dossier accordingly. The mark obtained as given by the lecturer will account for 60% of the final mark
Module code: PFCP524	Second semester	NQF level: 8

Title: Formulating chemical hair care processing products		
Module outcomes: After successful completion of this module, the student will be able to: <ul style="list-style-type: none"> • demonstrate integrated and advanced knowledge of chemical hair care processing chemicals; • demonstrate integrated knowledge of chemical hair care processing product compounds, the chemistry of surfactants and other raw materials; • demonstrate integrated knowledge and engagement in formulation and development of chemical hair care processing products • demonstrate integrated knowledge and engagement in formulation and development of chemical hair care processing products • understand the processes involved in the manufacture and packaging of chemical hair care processing products. 		
Mode of delivery: Fulltime/Part-time – Contact		
Assessment methods		Assessment criteria
Formal Formative: Assignments [40%]	Summative: Formulation of cosmetic product and compilation of product dossier [60%]	The outcomes have been mastered when the student can: <ul style="list-style-type: none"> • Successfully complete all the exercises as listed in the different Study Units and obtain a minimum of 50% for each exercise • Put a final product together according to the product brief and compile the dossier accordingly. The mark obtained as given by the lecturer will account for 60% of the final mark
Module code: PFCP525	Second semester	NQF level: 8
Title: Formulating colour cosmetic products		
Module outcomes: After successful completion of this module, the student will be able to: <ul style="list-style-type: none"> • demonstrate integrated and advanced knowledge of colour cosmetic chemicals; • demonstrate integrated knowledge of colour cosmetic product compounds and other raw materials; • demonstrate integrated knowledge and engagement in formulation and development of colour cosmetic products • demonstrate integrated knowledge and engagement in formulation and development of colour cosmetic products • understand the processes involved in the manufacture and packaging of colour cosmetic products; • know the regulations pertaining to the selection of colorants and be able to apply it to the industry. 		
Mode of delivery: Fulltime/Part-time – Contact		
Assessment methods		Assessment criteria
Formal Formative: Assignments [40%]	Summative: Formulation of cosmetic product and compilation of product dossier [60%]	The outcomes have been mastered when the student can: <ul style="list-style-type: none"> • Successfully complete all the exercises as listed in the different Study Units and obtain a minimum of 50% for each exercise • Put a final product together according to the product brief and compile the dossier accordingly. The mark obtained as given by the lecturer will account for 60% of the final mark

G.2.5 ADDITIONAL MODULES FROM OTHER FACULTIES

Module code: IOPS311	Semester 1	NQF-Level: 7
Title: Organisation Psychology		
Module Outcomes: After the completion of the module, the student should be able to: <ul style="list-style-type: none"> • 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; • 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; • 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; • know and understand the competencies of an organisational development consultant; apply skills to 		

<p>diagnose problems and opportunities and refer/facilitate/consult individuals and groups;</p> <ul style="list-style-type: none"> • identify changes impacting on the working environment and know and understand the management of change; • know and understand organisational diagnosis and apply techniques to diagnose problems and opportunities in organisations; and • know and understand elementary organisational development interventions; and apply skills to develop, implement and evaluate these interventions in the workplace. 		
Mode of delivery: Distance learning		
Assessment methods: Students must write an exam. A second exam opportunity is available if a student did not pass the first opportunity.		
Module code: BSKT221	Semester 2	NQF-Level: 7
Title: Personnel Psychology		
<p>Module Outcomes:</p> <p>After the completion of the module, the student should be able to:</p> <ul style="list-style-type: none"> • know and understand the nature, value and functions of human resource management and its challenges; • demonstrate a knowledge of and insight into job analysis, human resource planning, recruitment, selection, compensation, performance management, induction, training and development; • apply skills to develop these programmes within the working environment; • show knowledge and insight regarding the importance of a safe and healthy work environment that enhances the employees' quality of working; and • apply knowledge and skills to compile human resource management programmes. 		
Mode of delivery: Distance learning		
Assessment methods: Students must write an exam. A second exam opportunity is available if a student did not pass.		
Module code: OBAD112	Semester 1	NQF-Level: 6
Title: Introduction to Public Management		
<p>Module-outcome: On completion of this module the student should be able to:</p> <ul style="list-style-type: none"> • understand public management and administration as a discipline; public policy and legislative framework for implementation; and • achieve sustainable development: the role of local government. 		
Mode of delivery: Contact sessions at selected study centres.		
Assessment methods: Assignments, tests and examination paper.		
Module code: STTN111	Semester 1	NQF-Level: 6
Title: Descriptive Statistics		
<p>Module outcomes:</p> <p>After completion of the module successful students should be able to:</p> <ul style="list-style-type: none"> • demonstrate fundamental knowledge of the most important statistical techniques including: sampling, graphic presentation of data, descriptive measures of locality and dispersion, least-squares line fitting, 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; • demonstrate problem-solving skills in terms of known and unknown problems by using samples, graphic presentation of data, descriptive measures of locality and dispersion, least-squares line fitting, prediction of least squares, correlation coefficients, multiple linear regression, and applying it for purposes of predicting time series data; and • critically compare various methods and techniques including sampling and descriptive measures of locality and dispersion in unfamiliar real-life situations. 		
Mode of delivery: Contact teaching – only fulltime.		
Assessment methods: Written assignments, class activities, group- and individual work, as well as a formal examination.		
Module code: STTN124	Semester 1	NQF-Level: 6
Title: Practical Statistics		
<p>Module outcomes:</p> <p>After completion of the module successful students should be able to demonstrate knowledge of, and apply in practice, the following:</p> <ul style="list-style-type: none"> • 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; • factor analysis and analysis of results of factor analysis, interpretation of factor matrices and construct 		

validity;

- hypothesis testing, calculation of probability, central limit setting, significance and p-values;
- one-way ANOVA testing and the interpretation of results obtained with it;
- the practical significance of effect sizes of differences in the means of two populations;
- categorical data analysis based on contingency tables, chi-square goodness of fit tests and independence tests;
- distribution methods, parametric and non- parametric inferential methods; and
- identify statistical concepts in practice, and apply suitable statistical methods to summarise, understand and analyse data by using computer software developed for statistical purposes.

Mode of delivery: Contact teaching – only fulltime.

Assessment methods:

Written assignments, class activities, group- and individual work, as well as a formal examination.

G.3 LIST OF MODULES

G.3.1 SCHOOL OF BIOKINETICS, RECREATION AND SPORT SCIENCE

Module code	Descriptive name	Credits
MBWB681	Biokinetics: Orthopaedics	32
MBWB682	Biokinetics: Clinical	32
MBWB683	Biokinetics: Theory / Health	32
MBWB684	Biokinetics: Professional Internship	32
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
MBWS682	Applied Sport Physiology	32
MBWS683	Applied Biomechanics	16
MBWS684	Applied Sport Psychology	16
MBWS685	Sport Science Internship	24
MBWS686	Sport Science Practice	24
RKKX673	Recreation Management	16
RKKX677	Therapeutic Recreation	24
RKKX678	Advanced Facilitation	16
RKKX679	Leisure Programming	16
RKKX681	Applied Recreation Management	24

G.3.2 PHYSICAL ACTIVITY, SPORT AND RECREATION (PhASRec)

MBWM871	Dissertation: Human Movement Sciences	180
RKKV871	Dissertation: Recreation Sciences	180
MBWK971	Thesis: Human Movement Science	360
RKKX971	Thesis: Recreation Sciences	360

G.3.3
SCHOOL OF PSYCHOSOCIAL BEHAVIOURAL SCIENCES

Module code	Descriptive name	Credits
MWKC874	Alternative care	20
MWKC875	Adoption	28
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 Social Worker as Expert in Court (Semester 2)	24
MWKF880	Research Theory: Social Work	32
MWKK874	Child Protection as Field of Service	20
MWKK875	Children as a Vulnerable Group	20
PSYH611	Psychological evaluation.	16
PSYH612	Community psychology: Theory	8
PSYH613	Applied positive psychology	16
PSYH671	Research and ethics: Theory and practice	20
PSYH672	Psychopathology	8
PSYH621	Intervention techniques	16
PSYH622	Theoretical perspectives on rendering help	16
PSYH623	Child and adolescent psychology	16
PSYC874	Critical Research Skills	16
PSYC875	Quantitative Research Methods	16
PSYC876	Qualitative Research Methods	16
PSYC877	Project Management	16
PSYC879	Child- and adolescent pathology and Therapy	20
PSYC880	Theory of Psychological Intervention	20
PSYC883	Ethics, Psychodiagnostics and Practical work	20
PSYC884	Applied Psychology and Community Interventions	20
PSYC885	Psychopharmacology, Neuropsychology and advanced Psychopathology in Clinical Psychology	20
PSYV879	Child- and adolescent pathology and Therapy	20
PSYV880	Theory of Psychological Intervention in Counselling Psychology	20
PSYV885	Psychopharmacology, Neuropsychology and advanced Psychopathology in Counselling Psychology	20

G.3.4 AFRICA UNIT FOR TRANSDISCIPLINARY HEALTH RESEARCH (AUTHeR)

Module code	Descriptive name	Credits
GRTL873	Mini-dissertation: Gerontology	100
GRTL813	Population ageing and policies	16
GRTL814	Bio-medical and social theories	16
GRTL815	Quality of life and well-being of older persons	8
GRTL816	Gerontological interventions	8
PSYP873	Research Mini-dissertation in Positive Psychology	60
PSYP874	Introduction to Positive Psychology	24
PSYP875	Research methods in Positive Psychology	24
PSYP876	Assessment and Basics of Interventions	24
PSYP877	Applications in Positive Psychology	24
PSYP878	Advanced Positive Psychology	24
TDHP811	Research methodology	16
TDHP812	Transdisciplinary health promotion	16
TDHP872	Dissertation: Transdisciplinary health promotion	148
VERW871	Dissertation: Consumer Sciences	180
VERB971	Thesis: Consumer Sciences	360

G.3.5 COMMUNITY PSYCHOSOCIAL RESEARCH (COMPRES)

Module code	Descriptive name	Credits
MWKF873	Mini-dissertation: Forensic Practice	60
MWKK873	Mini-dissertation: Child Protection	60
MWKN971	Thesis: Social Work	360
MWSR 871	Dissertation Social Work	180
PSYC872	Dissertation: Research Psychology	116
PSYK872	Research Theory and dissertation in Clinical Psychology	100
PSYV872	Research theory and dissertation in Counselling Psychology	100
PSYC971	Thesis: Psychology	360

G.3.6**SCHOOL OF PHYSIOLOGY, NUTRITION AND CONSUMER SCIENCES**

Module code	Descriptive name	Credits
FLGX612	Cardiovascular Physiology A	16
FLGX613	Neurophysiology	16
FLGX615	Research Methodology (Physiology)	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 (Physiology)	32
VGHB671	Housing and Community Development	24
VGHB672	Consumer Resource Management	24
VGHB673	Interior Design	24
VKLE671	Specialised Textile Studies	24
VKLE672	Advanced Fashion Industry	24
VNAM671	Consumer Research Methods and Scientific Writing	24
VNAV671	Research Project – Research Report - Presentation	32
NUTR671	Research report	32
NUTA671	Advanced Nutrition	32
NUTG671	Nutrigenetics	32
NUTE671	Nutrition Epidemiology	32
NUTP671	Public Health Nutrition	32
NUTS671	Sport Nutrition	32
VVBG671	Consumer Behaviour	16
VVDL672	Food Product Development	24
VVDL673	Consumer Behaviour in Food	24
VVOO671	Adult Education and Training	16

G.3.7**OCCUPATION HYGIENE AND HEALTH RESEARCH INITIATIVE (OHHR)**

Module code	Descriptive name	Credits
FLGX884	Occupational Hygiene Monitoring B	24
FLGX885	Vibration, Heat and Ergonomic Factors	24

FLGX886	Labour Legislation	24
FLGX887	Personal Protection Equipment and Radiation	24
FLGX873	Mini-Dissertation: Occupational Hygiene	96
BHIG971	Thesis: Occupational Hygiene	360

G.3.8 CENTRE OF EXCELLENCE IN NUTRITION (CEN)

Module code	Descriptive name	Credits
NUTE874	Nutritional Epidemiology	32
NUTP874	Public Health Nutrition	32
NUTA875	Advanced Nutrition	32
NUTS876	Sport Nutrition	32
NUTT880	Nutrition support of the paediatric patient	32
NUTC882	Nutrition support of the critically ill	32
NUTM873	Mini-dissertation: Dietetics/ Nutrition	96
NUTN871	Dissertation: Nutrition	180
NUTD971	Thesis: Dietetics	360
NUTN971	Thesis: Nutrition	360

G.3.9 HYPERTENSION IN AFRICA RESEARCH TEAM (HART)

Module code	Descriptive name	Credits
PHYS871	Dissertation: Cardiovascular Physiology	180
PHYS971	Thesis: Physiology	360

G.3.10 SCHOOL OF PHARMACY

Module code	Descriptive name	Credits
CLNP811	Clinical Pharmacy, Social Pharmacy, and Professional Practice	16
CLNP812	Clinical Epidemiology, Research Methodology, Biostatistics, and Evidence-based Medicine	32
CLNP813	Clinical Pharmacotherapeutics and Therapeutic Outcomes Management I	24
CLNP814	Clinical Drug Toxicology, Drug Therapy in Oncology and the Management of Drug Abuse	16
CLNP821	Clinical Pharmacotherapeutics and Therapeutic Outcomes Management II	40
FKLT531	Principles of Pharmacokinetics	8
FKLT532	Principles of Pharmacodynamics	16
FKLT533	Drugs for Pain, Inflammation, Fever and Airway Diseases	16
FKLT541	Drugs and the Peripheral Nervous System	8
FKLT542	Chemotherapy of Infections and Infestations	16
FKLT551	Drugs and the Central Nervous System	16

FKLT552	Hormones, Hominoids and Hormone Antagonists	16
FKLT561	Drugs and the Cardiovascular System	16
FKLT562	Drugs for GIT and Skin Disorders	8
FKLT563	Vitamins, Haematopoietic and Immunopharmacology	8
FKLT564	Advanced Pharmacological Principles	8
FKLT571	Integrated Pharmacology	8
FPHA811	Applied Pharmaco-economics	16
FPHA812	Applied Pharmaco-epidemiology	16
FPHA813	Research methodology and introductory biostatistics	16
FPHA814	Disease management	16

G.3.11 MEDICINE USAGE IN SOUTH AFRICA (MUSA)

Module code	Descriptive name	Credits
CLNP873	Mini-dissertation: Advanced Clinical Pharmacy	64
FPHA872	Dissertation: Pharmacy Practice	148
FPKG971	Thesis: Pharmacy Practice	360

G.3.12 CENTRE OF EXCELLENCE FOR PHARMACEUTICAL SCIENCES (Pharmacen)

Module code	Descriptive name	Credits
FCHG871	Dissertation: Pharmaceutical Chemistry	180
FKLG871	Dissertation: Pharmacology	180
FMSG871	Dissertation: Pharmaceutics	180
FCHG971	Thesis: Pharmaceutical Chemistry	360
FKLG971	Thesis: Pharmacology	360
FMSG971	Thesis: Pharmaceutics	360
PFCP511	Cosmetic science, research, development and manufacturing	40
PFCP512	Formulation of personal care products	8
PFCP513	Formulation of skin care products	16
PFCP521	Formulation of sun care products	16
PFCP522	Formulation of fragrance products	8
PFCP523	Formulating hair care products: shampoos and conditioners	8
PFCP524	Formulating chemical hair care processing products	8
PFCP525	Formulating colour cosmetic products	16

G.3.13

PRECLINICAL DRUG DEVELOPMENT PLATFORM (PCDDP)

Module code	Descriptive name	Credits
FMWG871	Dissertation: Pharmaceutical Sciences	180

G.3.14

SCHOOL OF NURSING SCIENCES

Module code	Descriptive name	Credits
ADMN511	Specialist Midwife: Practitioner, Leader and Consultant	8
ADMN571	Midwife specialist: Maternal care	16
ADMN572	The Neonatal Clinician	16
ADMN573	Specialist Midwife: Practica	72
NSCT211	Grounding of Community Nursing	16
NSCT221	Principles of Primary Health Care	16
NSCT271	Community Nursing: Practica	24
NSDT111	Health Science Dynamics	16
NSET111	Health Science Education: Introduction	16
NSET211	Health Science Education: Curriculum Studies	16
NSET221	Health Science Education: Didactics	16
NSET271	Health Science Education: Practica	16
NSFT121	Financial Health Management	16
NSHT211	Clinical Nursing Science, Health Assessment, Treatment and Care: Child	16
NSHT221	Clinical Nursing Science, Health Assessment, Treatment and Care: Adult	16
NSHT271	Clinical Nursing Science, Health Assessment, Treatment and Care: Practica (Child and Adult)	48
NSKT211	Pharmacology	16
NSMT211	Unit/Clinic Management	16
NSMT221	Human Resources Management	16
NSMT271	Health Service Management: Practica	16
NSRT121	Health Science Research	16
VPEK874	Clinical Psychiatric Nursing sciences	32
VPEK875	Psychiatric Nursing skills and methods	32
VPEK876	Psychiatric Nursing practice, leadership and consultation	32
VPEP884	Psychiatric Nursing practical	48
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 practical	48
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G.3.15 QUALITY IN NURSING AND MIDWIFERY (INSINQ)

Module code	Descriptive name	Credits
VPES873	Mini-dissertation: Psychiatric Nursing Science	112
VPVS873	Dissertation: Midwifery and neonatal Nursing Science	112
VPVV872	Dissertation: Nursing Science	148
VPVV971	Thesis: Nursing Science	360

G.3.16 ADDITIONAL MODULES (OTHER FACULTIES)

Module code	Descriptive name	Credits
BSKT111	Introduction to Psychology in Work Context	16
BSKT221	Personnel Psychology	16
IOPS311	Organisation Psychology	16
NSGT111	Sociology: Introduction A	16
NSGT121	Sociology: Introduction B	16
OBAD112	Introduction to Public Management	16
STTN111	Descriptive statistics	12
STTN124	Practical statistics	12