2024 Yearbook

Faculty of Health Sciences Postgraduate

Fakulteit Gesondheidswetenskappe Nagraads

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 of the University.

Please note: Although the information in this Calendar has been compiled with the utmost care and accuracy, the Council and the Senate of the University accept no responsibility whatsoever for errors that may occur.

Honours degrees and Postgraduate Diplomas are published in the **Undergraduate yearbook** of the faculty.

Visit the Faculty of Health Sciences

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Office Bearers

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Vice-Chancellor

Prof BM Tyobeka

Deputy Vice-Chancellor: Research and Innovation

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Deputy Vice-Chancellor: Information Technology and Campus Operations (Potchefstroom Campus)

Prof DM Balia

Deputy Vice-Chancellor: Planning and Campus Operations (Vanderbijlpark Campus)

Prof LA du Plessis

Deputy Vice-Chancellor: Community Engagement and Campus Operations (Mahikeng Campus)

Prof S Swanepoel

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Dr JS Chalufu

Registrar

Prof MM Verhoef

EXECUTIVE DEANS

Faculty of Economic and Management Sciences

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Faculty of Education

Prof LN Conley

Faculty of Engineering

Prof L van Dyk

Faculty of Health Sciences

Prof AF Kotzé

Faculty of Humanities

Prof D Moyo

Faculty of Law

Dr LN Morei

Faculty of Natural and Agricultural Sciences

Prof DM Modise

Faculty of Theology

Dr H Goede

FACULTY OF HEALTH SCIENCES OFFICE BEARERS

Executive Dean

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

Deputy Dean: Research and Innovation

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

Deputy Dean: Teaching and Learning

Vacant

Deputy Dean: Strategy and Business Development

Prof Ushotanefe Useh

Senior Faculty Administrator

Ms R Muller, BCom Management (Lyceum), Postgraduate Diploma in Management (NWU), MBA (NWU)

SCHOOLS

SCHOOL OF HUMAN MOVEMENT SCIENCES

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)

Undergraduate Programme & Academic Manager: Dr E Eksteen, BCom (PU for CHE), Hons BCom (PU for CHE), MBA (NWU), PhD (NWU)

Programme leaders

Diploma in Coaching Science

Mahikeng Campus: Dr CA Bisschoff, BSc (NWU-Potchefstroom), Hons BSc (NWU-Potchefstroom), MSc (NWU-Potchefstroom), PhD (NWU)

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

Recreation Sciences

Ms Y Stevens BCom (PU for CHE); Hons BA (PU for CHE); MA (NWU)

Subject Group Leader(s)

Human Movement Sciences

Biokinetics: Dr T Veldsman BSc MBW (NWU), Hons BSc (Biokinetics) (NWU), MSc (Biokinetics) (NWU), PhD (NWU)

Kinderkinetics: Prof D Coetzee BA MBW (PU for CHE), Hons BA Kinderkinetics (NWU), MA (Human Movement Sciences) (NWU), PhD (Human Movement Sciences) (NWU)

Sport Science: Dr A Broodryk BA MBW (NWU), Hons BA Sport Science (NWU), MA (Human Movement Sciences) (NWU), PhD (Human Movement Sciences) (NWU)

SCHOOL OF PHARMACY

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

Programme leaders

Pharmaceutics, undergraduate programme & academic manager (BPharm)
Prof JH Steenekamp, BPharm (PU for CHE), MSc (Pharmaceutics) (PU for CHE), BSc Hons (Pharmacology) (NWU), PhD (Pharmaceutics) (NWU).

Programme for Continuing Inter-Professional Education
Dr JH Hamman, BPharm (PU for CHE), MSc (Pharmaceutics) (PU for CHE), PhD (Pharmaceutics) (NWU)

Subject Group Leaders

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

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

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

Pharmacy Practice
Dr WD Basson, BSc (PU for CHE), Hons BSc (Physiology) (PU for CHE), BPharm (PU for CHE), MPharm (Pharmacy Practice) (PU for CHE), PhD (NWU)

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 JS Brits, BSc (PU for CHE), BSc Hons (Physiology) (PU for CHE), MSc (Physiology) (PU for CHE), PhD (Physiology) (PU for CHE), PGCE (FET) (UL)

Programme leaders

Dietetics

Undergraduate: Prof RC Dolman-Macleod, BSc (Dietetics) (PU for CHE), Post Graduate Diploma in Hospital Dietetics (UP), Hons BSc (Dietetics) (NWU), MSc Nutrition (NWU), PhD Dietetics (NWU)

Occupational Hygiene

Dr S du Preez, BSc (Physiology and Nutrition) (NWU), Hons BSc (Physiology) (NWU), MSc Occupational Hygiene (NWU), PhD Occupational Hygiene (NWU)

Mnr Corne van der Merwe BSc (Physiology and Psychology) (NWU), Hons BSc (Physiology) (NWU), MSc Occupational Hygiene (NWU)

Consumer Sciences

Undergraduate: Prof A Mielmann, BSc Agric (Food Science) (UFS), MSc Agric (Food Science) (UFS), PhD Food Science (UFS)

Master's and PhD: Prof M van der Merwe, BSC Agric (Food Science) (UOFS), BSc Agric Hons (Food Science) (UOFS), MSc Agric (Food Science) (UOFS), PhD Food Science (UFS)

Subject Group Leader(s)

Physiology

Dr GG Mokwatsi, BSc in Biological Sciences (NWU), Post Graduate Certificate in Education (FET Phase), BSc Honours in Physiology (NWU), MSc in Physiology (NWU), PhD in Physiology (NWU)

Nutrition

Dr M Wicks, BSc Dietetics (NWU), MSc in Dietetics (NWU), PhD in Dietetics (NWU)

Consumer Sciences

Dr N Le Roux, BSc Consumer Sciences (NWU), B Hons Consumer Sciences (NWU), M Consumer Sciences (UP), PhD Consumer Sciences (NWU)

SCHOOL OF PSYCHOSOCIAL HEALTH

Director (Potchefstroom Campus): Prof AG Herbst, BA (Social Work) (UP), MA (Social Work with specialization in play therapy) (UP); PhD (Social Work) (PU for CHE)

Deputy Director (Potchefstroom Campus): Prof E Deacon, BCom (PU for CHE), Hons BA (PU for CHE), MA (Clinical Psychology) (PU for CHE), PhD (NWU)

Deputy Director (Mahikeng Campus): Prof EI Smit, BA (SW) (PU for CHE), MA (SW) (PU for CHE), PhD (SW) (NWU)

Deputy Director (Vanderbijlpark Campus): Acting: Dr CI Bekker, BA Pastoral Guidance and Psychology (NWU), BA Hons Theology (NWU), BA Hons Psychology (NWU), MA Positive Psychology (NWU), PhD Psychology (NWU)

Programme leaders

Psychology

Mahikeng Campus: Ms ME Erasmus, BMUS (UFS), BMUS HONS (UFS), BA HONS in Psychology (UFS), BA HONS in Language studies, French (UFS), MA in Psychology (Research) (UFS), MA in French (Teaching French as a Foreign Language) (UCT)

Social Work

Potchefstroom Campus: Prof EH Ryke, BA Social Work (RAU), MA Social Work (Mental Health) (UNISA), PhD Social Work (NWU)

Subject Group Leader(s)

Vanderbijlpark Campus: Acting: Ms S Theunissen, BA Psychology (NWU), BA Hons Psychology (NWU), MA Clinical Psychology (NMMU)

Potchefstroom Campus: Dr H Malan, BA (Social Work) (PU for CHE); BA Honors Psychology; MA (Industrial Psychology) (PU for CHE); PhD (Social Work) (NWU)

Deputy leader(s)

Psychology

Mahikeng Campus: Prof CA Oduaran, MSocSc (Clinical Psychology) (NWU), PhD Counselling and Human Services (University of Botswana)

Potchefstroom Campus: Prof K Botha, BA Psychology (NWU), BA Hons Psychology (NWU), MA Clinical Psychology (NWU), PhD Psychology (NWU)

Social Work

Mahikeng Campus: Acting: Mr NE Mohlatlole, (BSW), (UL) (MSW), (UL)

Vanderbijlpark Campus: Dr L Pretorius, BSW (NWU), MSW (NWU), PhD Social Work (NWU)

SCHOOL OF NURSING

Director (Mahikeng Campus): Dr MJ Matsipane, Diploma in General Nursing and Midwifery (Bophelong Nursing School), BCur (Nursing Education and Admin) (UNISA), Honours BCur (Nursing Education) (UNISA), MCur (Nursing Education) (RAU), PhD (Nursing Education) (UJ)

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

Deputy Director: (Mahikeng Campus): Mrs RMJ Machailo, Diploma in Comprehensive Nursing and Midwifery (Excelsius Nursing College), BCur (Ed Adm.) (UJ), MCur (Psychiatric Mental Health Nursing) (UJ)

Deputy Director (Vanderbijlpark Campus): Dr S Scholtz, B SocSc (Nursing) (UOFS), MCur (Medical and Surgical Nursing Science: Critical Care Nursing) (UJ), DCur (Medical and Surgical Nursing Science: Critical Care Nursing) (UJ), Advanced University Diploma (Health Science Education) (NWU), Advanced University Diploma (Health Service Management) (NWU)

Programme leaders

Undergraduate Nursing programme

Potchefstroom Campus: Prof A du Preez, B Soc Sc (Nursing) (UOFS), Hons B Soc Sc (Nursing) (UOFS), BA (Nursing Administration & Education) (UNISA), Diploma in Advanced Midwifery & Neonatalogical Nursing Science (RAU), MCur (Midwifery & Neonatalogical Nursing Science) (PU for CHE), PhD (Nursing) (NWU).

Mahikeng Campus: Mr MF Mather, BSc Environmental and Biological Sciences (NWU), BCur Nursing Science (NWU), Advanced Diploma in Nursing Education with Education (NWU), MNSc Nursing Science (NWU)

Post basic Nursing programme

Potchefstroom Campus: Dr K Froneman, Diploma in Nursing Science (General, Psychiatry and Community) and Midwifery: (SAMHS) Nursing College, PGD in Health Assessment, Treatment and Care (UOF), PGD in Nursing Administration (UOF), Baccalaureus in Advanced Nursing: University of the Free State (UOF); PGD in Nursing Education (NWU); MCur (NWU)

Mahikeng Campus: Ms S Lethale, (Diploma in General Nursing and Midwifery), (Baragwanath Nursing college). Diploma in Operating Theatre Nursing Science (UNISA), Advanced Diploma in Health Service Management (UNISA), PGDip. HIV/AIDS Management (SU), MCur (NWU)

Nursing Clinical Education

Potchefstroom Campus: Dr N Scheepers, BCur (UWC), MCur (UWC), PhD (Nursing) (NWU)

Mahikeng Campus: Dr MG Serapelwane, Diploma in General Nursing (Taung Nursing School), Diploma in Midwifery (Taung Nursing School), BCur- Nursing Education and Health Service Management (PU for CHE), PGD in Clinical Health Assessment Treatment and Care (Mmabatho College of Nursing), Master Nursing (NWU), PhD in Nursing (NWU)

Nursing

Mahikeng Campus: Prof Salaminah Moloko-Phiri- BA Cur (UNISA) BA Cur Hons (UP), MCur (Stellenbosch), PhD (UP), Dip Human Rights (NWU), Diploma in Critical Care (Wits), Diploma in Midwifery (Bophelong Hospital), PGD in HIV/AIDS Management (Stellenbosch)

RESEARCH ENTITIES

CEN - Centre of Excellence for Nutrition

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

Master's and PhD: Dr Z de Lange-Loots, BSc (Nutrition and Human Movement Science) (PU for CHE), Hons BSc (Nutrition) (NWU), MSc (Nutrition) (NWU), PhD (Nutrition) (NWU)

Pharmacen - Centre of Excellence for Pharmaceutical Sciences

Director: Prof LJ Legoabe, BPharm (UL), MSc (Pharmaceutical Chemistry) (NWU), PhD (Pharmaceutical Chemistry) (NWU)

HART – Centre of Excellence for Hypertension in Africa Research Team

Director: Prof CMC Mels, BSc (Physiology and Biochemistry) (NWU), Hons BSc (Biochemistry) (NWU), MSc (Biochemistry) (NWU), PhD (Biochemistry) (NWU)

AUTHeR - Research Unit: The Africa Unit for Transdisciplinary Health Research

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)

PhASRec - Focus area: Physical Activity, Sport and Recreation

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

NUMIQ - Focus area: Quality in Nursing and Midwifery

Director: Prof W Lubbe: BSocSc (UFS), Hons BCur (Nursing) Midwifery and Neonatal Nursing Science (US), Diploma in Nursing Science Nursing Education (US), M Tech Nursing (TUT), PhD Nursing (NWU)

COMPRES - Focus area: Community Psychosocial Research

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

OHHRI – Focus area: Occupational Hygiene and Health Research Initiative

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

Postgraduate Programme Leader (master's and PhD in Occupational Hygiene): Dr SJL Linde, BSc (NWU), MSc (Occupational Hygiene) (NWU), PhD (Occupational Hygiene) (NWU)

MUSA - Niche area: Medicine Usage in South Africa

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

NICHE AREA: LIFESTYLE DISEASES

Director: Prof U Useh, BSc Hons Physiotherapy (Ibadan), LLB (NWU), MEd Exercise Physiology (Ibadan), PhD in Sociology (UNIVEN) PGD in Education (Plymouth), PGD Management (NWU), Fellow Higher Education Academy (UK)

CPBS - CENTRE FOR PHARMACEUTICAL AND BIOMEDICAL SERVICES

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

RIIP/CENQAM - Research Institute for Industrial Pharmacy incorporated with Centre for Quality Assurance of Medicine

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

PCDDP - DSI/NWU PRECLINICAL DRUG DEVELOPMENT PLATFORM

Director: Prof R Hayeshi, BSc Hons (Biochemistry) (UZ), PhD (Biochemistry) (UZ)

VIVARIUM

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

CCYFS - CENTRE FOR CHILD, YOUTH AND FAMILY STUDIES

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

CHPE - CENTRE FOR HEALTH PROFESSIONS EDUCATION

Director: Dr Jessica Pool, BA Consumer Sciences (NWU), Higher Education Diploma (NWU), Hons Baccalaureus Education (NWU), Master of Education (NWU), Doctor of Philosophy (NWU)

UODL - UNIT FOR OPEN DISTANCE LEARNING

Manager: Health Sciences: Dr KD Shopo, (BNSc NWU Mafikeng), BCur (Education and Admin) (NWU Potchefstroom), MCur (Health Science Education) (NWU Potchefstroom), PhD in Nursing Science (NWU)

CENTRE FOR HEALTH AND HUMAN PERFORMANCE

Head: Prof P Kruger BA (Public and private sectors) (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)

INSTITUTE FOR PSYCHOLOGY AND WELLBEING

Head: Prof P Kruger BA (Public and private sectors) (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)

IPELEGENG CENTRE

Prof Ushotanefe Useh, BSc Hons Physiotherapy (Ibadan), LLB (NWU), MEd Exercise Physiology (Ibadan), PhD in Sociology (UNIVEN) PGD in Education (Plymouth), PGD Management (NWU), Fellow Higher Education Academy (UK)

INSTITUTE FOR BIOKINETICS / 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)

HSC.1 FACULTY RULES

HSC.1.1 AUTHORITY OF THE GENERAL RULES

Faculty rules are subject to the General Rules of the University, as determined by the Council of the University on recommendation by the Senate.

Faculty rules should thus be read in conjunction with General Academic Rules.

HSC.1.2 FACULTY-SPECIFIC RULES

Faculty-specific rules mentioned in this yearbook apply to the different qualifications, programmes and curricula presented on masters and doctoral level, as listed in the Programme and Qualification Mix (PQM) of the University.

HSC.1.3 GENERAL PROVISIONS

HSC.1.3.1 Application and interpretation of the General Academic Rules

a) The provisions of rule 1.1 of the General Academic rules of the University apply.

HSC.1.3.2 The structure of qualifications in the faculty

a) The provisions of rule 1.2 of the General Academic rules of the University apply.
b) The minimum and maximum duration of study for a qualification, the composition of the curricula of programmes, and the credit structure of programmes leading to a qualification, are published in the Health Sciences postgraduate yearbook.

HSC.1.3.3 Faculty rules

a) The provisions of rule 1.3 of the General Academic rules of the University apply.
b) Faculty rules mentioned in this yearbook, are specific guidelines accommodating programme-specific requirements and faculty-specific procedures (applicable to higher degree administration in the faculty).
c) Programme-specific requirements are specified at each programme, whereas faculty-specific procedures and processes are published in the Student Academic Lifecycle Administration manual for Higher degrees of the faculty (or as per instruction of research entities).
d) Faculty rules and procedures are aligned with the General Academic rules of the University. Deviation from these rules is not permitted.
e) Where faculty rules are amended and approved by Senate before the next version of the yearbook is published, reasonable steps will be taken to bring the amendments to the attention of all students affected by it. These steps may include electronic communication and displaying most recent information on the web.

HSC.1.3.3.1 Recognition as a student at the University attached to the faculty

a) The provisions of rule 1.4 of the General Academic rules of the University apply.
b) To be recognised as a student at the University, a person must have been admitted to and registered in a formal programme (leading to a qualification).
c) Returning students must register annually to qualify as an active student at the University.

HSC.1.3.3.2 Application, selection, and admission to the faculty

a) The provisions of rule 1.5 of the General Academic rules of the University apply.

HSC.1.3.3.2.1 Application and admission

a) A prospective student applies for admission to a programme offered by the faculty by completing the prescribed university application, either on paper or electronically and submitting it to the Higher Degree Central Applications office. The admissions procedure required by the University is mandatory.
b) No student will be considered for selection if the formal application process has not been followed and completed.

c) Faculty-specific admission requirements are provided for in the postgraduate yearbook and no application for admission will be approved unless the applicant complies with both general admission requirements of the University as well as faculty-specific requirements of the programme.
d) Admission to a programme may be revoked by the faculty if it is determined afterwards that the student does not comply with the admission requirements of the programme and was admitted erroneously. The faculty will however take all precautions to ensure that students are admitted correctly.
e) It is **highly recommended** that masters and doctoral applicants, applying for admission to the Faculty of Health Sciences must be fully computer literate and have full-time access to a personal computer and the internet.

HSC.1.3.3.2.2 Selection

a) The faculty reserves the right to set selection criteria, in addition to the minimum admission requirements, and apply such criteria to admit or refuse admission to specific qualifications and programmes, taking into consideration enrolment targets and capacity at the university.
b) The allocation of a student number to an applicant who meets the minimum admission requirements for identification purposes, does not constitute or create a right to be admitted to the faculty.
c) Selection will take place after the closing date of the applicable programme and during the respective time schedules indicated for each programme.
d) Applicants who are not successful after participating in a selection process, may request or may be provided with the reason(s) of non-acceptance. The decision of the selection committee and research entity director however is final.

HSC.1.3.3.2.3 Admission and advanced standing on grounds of recognition of prior learning

a) The provisions of rule 1.6 of the General Academic rules of the University apply.
b) The process of recognition of prior learning (RPL) must be followed and all applications mut be approved at the Faculty Board before admission is final.

HSC.1.3.3.3 Credit recognition and transfer

HSC.1.3.3.3.1 Definition and application

a) The provisions of rule 1.7 of the General Academic rules of the University apply.
b) Credit recognition and transfer entails a documented process by which a student receives credit for specified prescribed modules or coursework components of a formal programme, allowing adjustment of the minimum study period for the completion of a programme offered by the University within the framework of all applicable university and faculty rules and policies.
c) The procedure and the conditions of credit recognition and transfer of formal academic programmes and qualifications are described in the faculty administration manual for Higher degrees and is overseen by the executive dean (or delegate) as provided for in Academic rule 1.7.3.
d) A student must be registered for a certain coursework module to receive credit for it. Research components are excluded from credit recognition.
e) Credit recognition will not be granted for coursework modules passed more than five years before the date of applying for recognition of the involved module(s).
f) Applications must be tabled at the Faculty Board for final approval.
g) Formal decisions will be documented in the minutes of the relevant faculty meetings.
h) Students in structured degrees who suspended their studies, should re-apply for recognition of modules passed earlier. (Previous recognition of modules may not be valid any longer).

HSC.1.3.3.3.2 Linked and concurrent modules

a) The provisions of rule 1.8 of the General Academic rules of the University apply.
b) Linked modules will be specified in programme-specific requirements.
c) Linked modules must be passed before a student may register for a successive module.

HSC.1.3.3.3.3 Maximum credit load

a) The provisions of rule 1.9 of the General Academic rules of the University read with the applicable Higher Education requirements apply.
b) Students in a structured degree register for all the coursework modules in the first study year of the degree and continue with the research component in the second year of study.
c) Only one additional coursework module may be registered per semester. Students apply for permission to register for an additional module per student request form.
d) Students in a research masters-degree register for the research module each year during their study period.

HSC.1.3.3.4 Registration

HSC.1.3.3.4.1 Annual registration

a) The provisions of rule 1.10.1 of the General Academic rules of the University apply.
b) The faculty reserves the right to refuse or cancel a registration, when false, incorrect, or incomplete information or documentation to register as a student was provided, or if any other condition provided for in these rules, are not satisfied.
c) Participation requirements by students in specific programmes will be published in the applicable study guide and/or in the yearbook.
d) Higher degree students register annually by 31 March and returning students not later than 30 May.
e) Late registration will only be allowed for returning students.
f) A registered student must ensure that the University has his/her latest personal and contact details to receive important communiqué from the University or the faculty.
g) A registered student must receive a proof of registration and confirm that:
    - the registration is completed; and
    - the registration is correct. (**Note**: Degree and programme name, modules registered, and academic and historic years must be checked).
h) Students who are unable to register for an academic year must apply formally for discontinuation or cancellation or interruption of studies.
i) Interruption of studies will only be granted in extraordinary circumstances (e.g., health complications of the student) and is valid for one academic year only.
j) Informal suspension or discontinuation of studies by the student may result in termination of studies by the faculty.
k) Students will only be allowed to register, for non-degree coursework modules after passing an honours or masters-degree and if approval of the Faculty Board was obtained.

HSC.1.3.3.4.2 Submission to rules and resolutions

a) The provisions of rule 1.10.2 of the General Academic rules of the University apply.
b) A registered student is bound by the faculty rules as well as programme-specific requirements.

HSC.1.3.3.4.3 Active enrolment

a) The provisions of rule 1.10.3 of the General Academic rules of the University apply.
b) Students registering for a research degree in the faculty must be actively involved in the study process agreed with the supervisor/promoter, as well as the project or research activities required by the applicable research entity.
c) A student who fails to participate satisfactorily in such activities is subject to a review under the progression requirements provided for in Academic rule 1.16, or as specified in programme specific requirements in the yearbook.

HSC.1.3.3.4.4 Amendment, cancellation, and discontinuation of registration

a) The provisions of rule 1.10.4 of the General Academic rules of the University apply.
b) The faculty reserves the right to cancel any erroneous registration.
c) If a student withdraws from a masters or doctoral programme, or coursework module after starting formal tuition or study guidance, the student may not be entitled to receive reimbursement of fees.
d) All bursaries will be repayable after cancellation and discontinuation of studies.

HSC.1.3.3.4.5 Simultaneous registration at more than one institution

a) The provisions of rule 1.10.5 of the General Academic rules of the University apply.
b) A higher degree student may not register simultaneously for two formal qualifications (at the University as well as any other academic institution).
c) A master's student may be granted permission by the Faculty Board to register for a maximum of 20% of the credit value of the coursework component of the programme at another institution. The student should meet the minimum requirements of both institutions.
d) A higher degree student may apply for registration at two institutions simultaneously following a successful agreement or contract, between the University and the other institution in terms of Research and Innovation collaboration. All documents / memoranda concerning the agreement must be in place and approved at the relevant university structures before the student can proceed with registration.
e) A prospective higher degree student may apply to register for specific modules at the faculty for non-degree purposes with the approval of the executive dean (or delegate), whilst being a registered student in a formal qualification at another university. (It will be allowed with the aim to qualify and being admitted to a formal higher degree qualification at the faculty in the subsequent study year).

HSC.1.3.3.4.6 Simultaneous registration for more than one qualification at the University

a) The provisions of rule 1.10.6 of the General Academic rules of the University apply.
b) The executive dean (or delegate) may in writing grant a higher degree student permission to register simultaneously for more than one qualification at the NWU if the student qualifies for the second qualification in full.
c) Both faculties must approve the request if applicable.

HSC.1.3.3.4.7 Use of the University (and faculty's) facilities by registered students

a) The provisions of rule 1.10.7 of the General Academic rules of the University apply.
b) Only registered students will qualify for supervision and may continue with research activities at facilities in the faculty.

HSC.1.3.3.4.8 Protection of personal and education-related information

a) The provisions of rule 1.11 of the General Academic rules of the University apply.
b) No personal or academic information about a student shall be disclosed to a professional board or any other institution, unless and only if regulations applicable to the protection of and access to information (POPIA) has been complied with.

HSC.1.3.3.4.9 Exemption from practical work or class attendance in a module

a) The provisions of rule 1.12 of the General Academic rules of the University apply unless it is specified otherwise in the programme specific requirements.

HSC.1.3.3.5 Assessment

HSC.1.3.3.5.1 Determination of module mark

a) The provisions of rule 1.13.1 of the General Academic rules of the University apply.

HSC.1.3.3.5.2 Requirements for admission to the examination

a) The provisions of rule 1.13.2 of the General Academic rules of the University apply.

b) Subject to rule 1.13.2.3 a student is required to achieve a module participation mark of at least 40% to be admitted to the examination in a coursework module unless programme-specific requirements and/or assessment criteria in the yearbook stipulate otherwise.
c) Subject to rule 1.13.2.3 an acceptable module participation mark provides admission to two consecutive examination opportunities scheduled within the period that the University determines annually for the conduct of all assessment activities in the academic year concerned unless programme-specific requirements stipulate otherwise.
d) Programme-specific requirements may provide that no participation mark is required in a specific coursework module, or that alternative proof of participation must be provided for admission to the examination.

HSC.1.3.3.5.3 Requirements for passing a module

a) The provisions of rule 1.13.3 of the General Academic rules of the University apply.
b) The sub-minimum for examination in all coursework modules is 40% except if it is stipulated otherwise in programme-specific requirements. (A higher mark may be required for professional qualifications).
c) A student passes a coursework module when a final module mark of at least 50% is attained, considering the provisions of programme-specific requirements about the examination sub-minimum and the ratio between the module participation and examination mark.
d) A final mark of at least 50% is required to pass the research component of a masters' degree except if stipulated otherwise in programme-specific requirements.
e) In cases where a coursework module is assessed based on continuous assessment, the final module mark is based on the weight accorded to the various continuous assessment tasks as prescribed in the applicable assessment criteria and/or programme-specific requirements. A student must obtain a weighted average of at least 50% to pass the module.
f) If a student fails a coursework module, the student must repeat the module in its entirety in the second study year, unless it is stipulated otherwise in programme-specific requirements (e.g., that no coursework module may be repeated, and all modules must be passed in the first year of study).
g) A student passes a module with distinction if a final module mark of at least 75% is achieved.

HSC.1.3.3.5.4 Examination opportunities

The provisions of rule 1.13.4 of the General Academic rules of the University apply.

HSC.1.3.3.5.5 Additional time or special requests during examinations

a) The provisions of rule 1.13.5 of the General Academic rules of the University apply.

HSC.1.3.3.5.6 Dean's concession examination

a) The provisions of rule 1.13.6 of the General Academic rules of the University apply.
b) Request, to be granted an additional examination opportunity in a coursework module is subject to the relevant programme-specific requirements.
c) Requests will require the approval of the Executive Dean after taking all aspects into consideration.

HSC.1.3.3.5.7 Access to and review of marked examination work

a) Requests will be considered and processed according to the provisions of the General Academic rules of the University 1.13.7 and sub-paragraphs.

HSC.1.3.3.5.8 Avoidance of conflict of interest

a) The provisions of rule 1.13.8 of the General Academic rules of the University apply.

HSC.1.3.3.6 The maximum duration of study

a) The provisions of rule 1.14 of the General Academic rules have reference**.**
b) Fulltime and part time students must be aware of the faculty's maximum allowable study period per qualification:
   - **Master's degrees: two years.**
   - **Doctoral degrees: three years.**
c) Part time students may apply for additional study time as indicated in the Manual for Higher Degree studies.
d) Students who apply for additional study time must have a satisfactory progress report.
e) Extension of the study period may have financial implications for the student.

HSC.1.3.3.7 Monitoring of academic performance

a) The provisions of rule 1.15 of the General Academic rules of the University apply.
b) The supervisor or promoter will regularly (six monthly) submit a report to the applicable academic or research director on the progress of the student. If such progress proves to be unsatisfactory, the student may be given a written warning by the applicable academic or research director.
c) The progress of a student who was given a written warning will be closely monitored.
d) Studies may be terminated if a student's progress remains inadequate or unsatisfactory for a period of more than six months or three months after a second and final warning letter was issued.
e) Monitoring academic performance may include the student's performance in practical or clinical work. Failing to comply with the requirements may result in termination of studies.
f) Master's and doctoral students can also reflect on their research experience by completing a questionnaire for that purpose and submit it to the relevant director or the Deputy Dean: Research and Innovation.

HSC.1.3.3.7.1 Progression requirements

a) The provisions of rule 1.16 of the General Academic rules of the University apply.
b) A student does not automatically qualify to continue to the next year of study after failing to comply with progression requirements or if the general progress was unsatisfactory.
c) If a student fail to make adequate progress, the supervisor may request termination of studies.
d) A notice of the intended termination will be sent to the student and the student will be allowed an opportunity to submit an appeal as indicated in the Student Academic Lifecycle Administration manual for Higher degrees of the faculty.

HSC.1.3.3.8 Extension of period of study

a) The provisions of rule 1.17 of the General Academic rules of the University apply.
b) A student applies for extension of the study period for each additional year of registration (after the maximum allowable study period).
c) The recommendation of the research / academic director in terms of this rule will be tabled at the Research and Innovation committee and the Faculty Board for ratification.

HSC.1.3.3.9 Termination of studies

a) The provisions of rule 1.18 of the General Academic rules of the University apply.
b) A student whose studies is due to be terminated will receive a notice of the intended termination and must within seven days of the date of the notice, make an appeal motivating why the study should not be terminated.
c) The procedure outlined in the Student Academic Lifecycle Administration manual for Higher degrees of the faculty will be followed.

HSC.1.3.3.10 Readmission after interruption of studies

a) The provisions of rule 1.19 of the General Academic rules of the University apply.

b) Students who failed to register for a preceding academic year, or who interrupted their studies with one or more academic year (with or without prior approval of the faculty), must apply for readmission by:

   (i) submitting a new application, and
   (ii) obtaining written permission from the faculty to continue with the programme.

c) Readmission to the same programme is not a right.
d) Students who failed to register, or who interrupted their studies without approval of the faculty, may be required to pass a selection process again.
e) Students who interrupted their studies with prior approval of the faculty, do not have to be pre-selected again but will be required to follow the process described in par (b) above.

HSC.1.3.3.11 Withdrawal of a qualification

a) The provisions of rule 1.20 of the General Academic rules of the University apply.
b) The Faculty Board with the concurrence of the Senate may make a recommendation to the University Council, concerning the revoking of a masters or doctoral degree where it is found during a disciplinary hearing or administrative enquiry that the recipient committed plagiarism, theft, fraud, bribery or any other dishonest or unlawful act during the study concerned.

HSC.1.3.3.12 Qualifications awarded posthumously

a) The provisions of rule 1.21 of the General Academic rules of the University apply.

HSC.1.3.3.13 General faculty rule about student academic requests

a) No (academic) request will be approved without submission of a formal student request.
b) Student requests will be processed according to the guidelines outlined in the Student Academic Lifecycle Administration manual for Higher degrees of the faculty.
c) No verbal or undocumented approval will be permitted; all decisions must be officially documented.
d) Decisions about student requests are documented during the relevant faculty meeting.

HSC.1.3.3.14 Faculty rules about student feedback and complaints

a) Any complaint or dissatisfaction must be brought to the attention of the relevant academic/ research director by means of (i) a written complaint, (ii) a student feedback questionnaire, or (iii) in person.
b) The Complaint procedure for postgraduate students in the Masters' and PhD programs of the faculty is outlined in the Student Academic Lifecycle Administration manual for Higher degrees.

HSC.1.3.4 General and professional masters-degrees

HSC.1.3.4.1 Manual for Higher Degree Studies

a) The provisions of rule 4.1 of the General Academic rules of the University apply.
b) The Manual for Higher Degree Studies as a general guiding document may be subsidiary to faculty rules or programme-specific requirements and must always be read in conjunction with the applicable rules.

HSC.1.3.4.2 Purpose and structure of general and professional masters-degrees

a) The provisions of rule 4.2 of the General Academic rules of the University apply.
b) The faculty offer a general masters-degree in the form of –
   - a research masters-degree by dissertation with a minimum of 180 credits for research.
   - a masters-degree by coursework and a dissertation with a minimum of 100 credits for research, and)
   - a masters-degree by coursework and a mini-dissertation with a minimum of 60 and a maximum of 90 credits for research.

HSC.1.3.4.3 Completion requirements for a masters-degree

a) The provisions of rule 4.3 of the General Academic rules of the University apply.
b) Submission of a publishable research article to an accredited journal may be required (by the research entity) to pass the degree. (Directives in this regard is to be communicated and published by the research entity).
c) All requirements must be communicated to the student by the supervisor during the study planning phase.
d) Coursework modules must be completed in the first study year and before the research component is submitted for examination but is subject to exceptions provided for in programme-specific requirements.

HSC.1.3.4.4 Requirements for the research component of a masters-degree

a) The provisions of rule 4.4 of the General Academic rules of the University apply.
b) The research component of a masters-degree may take the form of one or more publishable or published research articles in a specified field, according to the requirements of rules 4.10 and 4.12.
c) Specifying the minimum number of research articles required in the place of a full dissertation, a mini-dissertation, or research component of a professional masters-degree will be determined by the research entity. It must however be presented as an integrated unit.
d) Proof the above must be submitted during submission of the research component.

HSC.1.3.4.5 Credit recognition and transfer

a) The provisions of rule 4.5 of the General Academic rules of the University and faculty rules about credit recognition and transfer stipulated above apply.

HSC.1.3.4.6 Additional coursework modules

a) The provisions of rule 4.6 of the General Academic rules of the University apply.
b) Additional modules must contribute to the relevant research or specialisation field and improve the knowledge of the student.
c) A student who registers for a masters-degree by research may upon application be granted permission by the executive dean (or delegate) to register for coursework modules additionally but not exceeding two modules per annum. A positive recommendation of the applicable academic / research and supervisor will be required.

HSC.1.3.4.7 Registration

a) The provisions of rule 4.7 of the General Academic rules of the University and faculty rules about annual registration stipulated above apply.

HSC.1.3.4.7.1 Re-registration for coursework modules

a) The provisions of rule 4.7.5 of the General Academic rules of the University apply.

HSC.1.3.4.7.2 Exemption from registration

a) The provisions of rule 4.7.6 of the General Academic rules of the University apply.

HSC.1.3.4.8 Supervision

a) The provisions of rule 4.8 of the General Academic rules of the University apply.
b) Appointment of a supervisor or supervisory team will be formalised at Scientific Committees, the Research and Innovation Committee of the faculty and ratified at the Faculty Board.
c) The number of functionaries appointed will be determined in consultation with the research / academic director.

HSC.1.3.4.9 Research proposal and title registration

a) The provisions of rule 4.9 of the General Academic rules of the University regulates the approval of a research proposal together with the following faculty requirements:
   i. *Research masters-degrees*: The student present a research proposal to the applicable scientific committee determined by the faculty for approval, and a proposed title for registration in consultation with a possible supervisor not later than nine months after the final date of registration as indicated by the annual University calendar.
   ii. *General masters-degree by coursework:* The student presents a research proposal to the applicable scientific committee determined by the faculty for approval, and a proposed title for registration in consultation with a possible supervisor, within six months after the completion of the last required module assessment of a coursework masters-degree.
   iii. Every research proposal is subject to ethical clearance as provided for in the research and ethics policies of the faculty and the University, and confirmation of ethics clearance must be submitted to the relevant scientific committee.
   iv. If a student fails to present a research proposal in time, the study may, after due notification, be terminated by the faculty.
   v. If a student failed to register a title within the mentioned time frames, and valid reasons exist for not complying to the applicable rule, the student may on the recommendation of the supervisor be granted permission to re-register by the research / academic director and/or applicable deputy dean in the following academic year without a title registration, on condition that the title will be registered within six months from the second registration.
   vi. The Research and Innovation committee formalises the approval of all title registrations and appointment of examiners and present it to the Faculty Board for ratification.

HSC.1.3.4.10 Submission of the research product of a masters-degree for examination

a) The provisions of rule 4.10 of the General Academic rules of the University apply.
b) A student who failed to register for the academic year will not be able to give notice to submit for examination and no examination copy will be accepted until the registration is up to date.
c) A student will not be able to give notice of submission or submit for examination if a title registration was not approved by the Faculty Board.
d) The summary report of Turn-it-in must be included in all manuscripts which are submitted for examination. (It should not include the full report - this must however still be submitted with the manuscript to be examined. Examiners will be requested to contact Higher Degrees Administration if in need of the full report).

e) Students who wish to commence with internships or community service at the start of the following year, are advised to submit for examination early in October already, to ensure that the examination process can be finalised well in advance.
f) Late submission may prevent a student from starting their internships or community service in time and the faculty (or University) can therefore not be held responsible.
g) The research product of a masters-degree study must comply with the technical requirements provided for it in the quality manual of the research entity and University writing requirements stipulated in the Manual of Higher Degree Studies.
h) The University's policy regarding the classification of a study or research will be upheld during and after examination.

HSC.1.3.4.11 Examination

HSC.1.3.4.11.1 Appointment of examiners for the research component of a masters-degree

a) The provisions of rule 4.11.1 of the General Academic rules of the University regulates the appointment of examiners together with the following faculty requirements:

i. The faculty appoints at least three examiners of which at least one must be an external examiner, for the examination of the research product of every masters-degree study. Appointment of examiners may be facilitated during title registration or before the student submits a notice of submission.
ii. If more examiners need to be appointed, the necessary motivation will be submitted together with the title registration form for approval.
iii. Appointment of examiners will be endorsed by the Faculty Board.
iv. Internal examiners are defined as employees of the faculty/University, but not involved with the study or research product at all.
v. Examiners are persons who have no conflicting interests with the student, the supervisor, or the study.
vi. No person (internal or external) involved in the supervision of the masters-degree student may be appointed as an examiner.
vii. Co-workers in the same project or article will not be appointed as examiners.
viii. External examiners are persons who are not attached to the university and/or who are not involved at the same or a related institution/ department (if more than one external examiner is appointed).
ix. Examiners must, as minimum requirement have a masters-degree or equal qualification, but at least one examiner (of an examination panel) should be on doctoral level.
x. Scientific committees are responsible for maintaining a well-established pool (or database) of examiners and, in conjunction with the academic / research director, monitor the frequency of appointing examiners.
xi. Postgraduate students will not be appointed as an examiner for students of the same supervisor until after a period of at least one year passed (since their studies were completed).
xii. Extraordinary staff members are appointed as internal examiners, due to their association with the University.
xiii. Academics previously attached to the NWU and who retired or since moved to another or an international University (or a recognized research institute (such as the CSIR, etc.), may only be appointed as external examiner after one year from leaving the NWU on condition that the examiner has no further association with the University or involved department.

HSC.1.3.4.11.2 Examination and moderation

a) The provisions of rule 4.11.2 of the General Academic rules of the University apply.
b) Guidelines set out in the Student Academic Lifecycle Administration manual for Higher degrees will hold.

HSC.1.3.4.11.3 Second examination opportunity in coursework modules

a) The provisions of rule 4.11.3 of the General Academic rules of the University apply if it is not stated otherwise in programme-specific requirements.

HSC.1.3.4.11.4 Requirements for passing a coursework module

a) The provisions of rule 4.11.4 of the General Academic rules of the University apply.
b) Programme-specific requirements concerning the passing of coursework modules hold.

HSC.1.3.4.11.5 Recommendations relating to the examination of the research product in a masters-degree programme

a) The provisions of rule 4.11.5 of the General Academic rules of the University apply.
b) The following rules apply to the various options –
    1. be accepted unconditionally (*It would be allowed to add minor instances of clarification, but no additions to the scientific exposition or the interpretation of results would be allowed*).
    2. be accepted on condition that specified revisions be made to the satisfaction of the supervisor. (*Revisions of a specified nature, such as improving logics, argument, critical discussion, changing of layout or technical finishing. Prerequisite: the research piece must be scientifically sound and acceptable*); or
    3. be accepted on condition that specified revisions of a substantive nature be made to the satisfaction of the research / academic director concerned. (*Sizeable changes needed, e.g., rewriting of specific parts, updating of missing info, completing half-finished arguments. Reworking process must be done by means of a detailed memorandum focusing on specific recommendations and/or required changes. Prerequisite#1: the research piece must be scientifically sound and acceptable. Prerequisite#2: The research / academic director concerned must obtain the input from the relevant study leaders concerned before signing-off. Mark allocated should be at least in the 50-55% range*); or
    4. be accepted on condition that specified revisions of a substantive nature be made to the satisfaction of the examiners concerned. (*Sizeable changes needed, e.g., rewriting of specific parts, updating of missing info, completing half-finished arguments. Reworking process must be done by means of a detailed memorandum focusing on specific recommendations and/or required changes. Prerequisite#1: the research piece must be scientifically sound and acceptable. The research piece is regarded a borderline case and the mark typically allocated would be in the 48-50% range.*
    5. not accepted in its current format, in which case it is referred back to the candidate for revision, elaboration or amendment and resubmission for re-examination. (*Research is not scientifically acceptable, and should be revised, elaborated on, or amended and be resubmitted for re-examination. No final mark is allocated*); or
    6. not accepted at all, in which case the candidate fails. (*Research piece has failed in its totality and cannot be re-worked or re-submitted. The student would need to start all over*).

HSC.1.3.4.11.6 Passing the research component of a masters-degree with distinction

a) The provisions of rule 4.11.6 of the General Academic rules of the University apply.
b) A final mark of 73.5% and 74% for a mini-dissertation or dissertation may be condoned by the executive dean (or delegate) to 75% (pass with distinction), unless it can be motivated that the quality of the study does not comply with the standards of a distinction. A final mark of 74 will then be granted.

HSC.1.3.4.11.7 Revisions to and re-examination of the research product of a masters-degree

a) The provisions of rule 4.11.7 of the General Academic rules of the University apply.

HSC.1.3.4.11.8 Vagueness or differences regarding examination results

a) The provisions of rule 4.11.8 of the General Academic rules of the University apply.
b) Guidelines set out in the Student Academic Lifecycle Administration manual for Higher degrees are followed.

HSC.1.3.4.11.9 Dispute resolution

a) The provisions of rule 4.11.9 of the General Academic rules of the University apply.

HSC.1.3.4.12 Intellectual property in and publication of research products

a) The provisions of rule 4.12 of the General Academic rules of the University apply.

HSC.1.3.4.13 Upgrade of masters-degree study to doctoral study

a) The provisions of rule 4.13 of the General Academic rules of the University apply.
b) The procedure in the Student Academic Lifecycle Administration manual for Higher degrees hold.

HSC.1.3.4.14 Extension of the study period

a) The provisions of rule 4.14 of the General Academic rules of the University apply.
b) The procedure in the Student Academic Lifecycle Administration manual for Higher degrees hold.
c) No extension of study period will be considered if the student has not registered a title, unless there are valid reasons for not complying with the rule, and permission is granted by the applicable research / academic director.

HSC.1.3.4.15 Attainment of the degree

HSC.1.3.4.15.1 Satisfaction of requirements

a) The provisions of rule 4.15.1 of the General Academic rules of the University apply.

HSC.1.3.4.15.2 Attainment of the qualification with distinction

a) The provisions of rule 4.15.2 of the General Academic rules of the University apply.

HSC.1.3.5 Doctoral degrees

HSC.1.3.5.1 Manual for Higher Degree Studies

a) The provisions of rule 5.1 of the General Academic rules of the University apply.
b) The Manual for Higher Degree Studies as a general guiding document may be subsidiary to faculty rules or programme-specific requirements and must always be read in conjunction with faculty rules.

HSC.1.3.5.2 Purpose and structure of general and professional doctoral degrees

a) The provisions of rule 5.2 of the General Academic rules of the University apply.

HSC.1.3.5.3 Completion requirements for a doctoral degree

a) The provisions of rule 5.3 of the General Academic rules of the University apply.
b) A doctoral candidate must submit one or more research article(s) to a scholarly journal to qualify for the PhD degree. (Directives in this regard is to be communicated and published by the research entity).
c) All requirements must be communicated to the student by the promoter during the study planning phase.

HSC.1.3.5.4 Requirements for the research component of a doctoral degree

a) The provisions of rule 5.4 of the General Academic rules of the University apply.
b) Full compliance with the research component of a doctoral degree may take the form of one or more publishable or published research articles in a specified field, according to the requirements of Academic rules 5.10 and 5.12.
c) Specifying the minimum number of research articles required in the place of a written thesis will be determined by the research entity. It must however be presented as an integrated unit or thesis of a doctoral degree.
d) Proof the above must be provided during submission of the research product.

HSC.1.3.5.5 Credit recognition and transfer

a) Credit accumulation and transfer do not apply to the research component of a doctoral degree programme.

HSC.1.3.5.6 Additional coursework modules

a) The provisions of rule 5.6 of the General Academic rules of the University apply.
b) A candidate who registers for a doctoral degree may on application be granted permission by the executive dean (or delegate) to register for two additional module(s) per annum.
c) Requests will be granted in exceptional cases following the motivation of the applicable academic/ research director. It must however contribute to the relevant research or specialisation field and improve the knowledge of the student.

HSC.1.3.5.7 Registration

a) The provisions of rule 5.7 of the General Academic rules of the University and faculty rules about annual registration stipulated above apply.

HSC.1.3.5.7.1 Exemption from registration

a) The provisions of rule 5.7.6 of the General Academic rules of the University apply.

HSC.1.3.5.8 Supervision

a) The provisions of rule 5.8 of the General Academic rules of the University apply.
b) Appointment of a promoter or supervisory team will be formalised at Scientific Committees, the Research and Innovation Committee of the faculty and ratified at the Faculty Board.
c) The number of functionaries appointed will be determined in consultation with the research/ academic director.

HSC.1.3.5.9 Research proposal and title registration

a) The provisions of rule 5.9 of the General Academic rules of the University regulate the approval of a research proposal together with the following faculty requirements:
    i. The doctoral student presents a research proposal to the applicable scientific committee determined by the faculty for approval, and a proposed title for registration in consultation with a possible promoter not later than nine months after the final registration date indicated by the annual University calendar.
    ii. Every research proposal is subject to ethical clearance as provided for in the higher degrees manual of the faculty and ethics policies of the University, and confirmation of ethics clearance must be submitted to the relevant scientific committee.
    iii. If a student fails to present a research proposal for approval in time, the study may, after due notification, be terminated by the faculty.
    iv. If a student failed to register a title in time, as specified in par. i and ii above, and valid reasons exist for not complying with the applicable rule, the student may on the recommendation of the supervisor be granted permission to re-register by the research / academic director and/or applicable deputy dean in the following academic year without a title registration, on condition that the title will be registered within six months from the second registration.

v. The Research and Innovation committee formalises the approval of all title registrations and appointment of examiners for ratification at the Faculty Board.

HSC.1.3.5.10 Submission of the research product of a doctoral degree for examination

a) The provisions of rule 5.10 of the General Academic rules of the University apply.
b) A student who failed to register for the academic year will not be able to give notice to submit for examination and no examination copy will be accepted until the registration is up to date.
c) A student will not be able to give notice of submission or submit for examination if a title registration was not approved by the Faculty Board.
d) The summary report of Turn-it-in must be included in all manuscripts which are submitted for examination. (It should not include the full report - this must however still be submitted with the manuscript to be examined. Examiners will be requested to contact Higher Degrees Administration if in need of the full report).
e) Students who wish to commence with internships or community service at the start of the following year, are advised to submit for examination early in October already, to ensure that the examination process can be finalised well in advance.
f) Late submission may prevent a student from starting their internships or community service in time and the faculty (or University) can therefore not be held responsible.
g) The research product of a doctoral degree study must comply with the technical requirements provided for it in the quality manual of the research entity and University writing requirements stipulated in the Manual for Higher Degree Studies.
h) The University's policy regarding the classification of a study or research will be upheld during and after examination.

HSC.1.3.5.11 Examination

HSC.1.3.5.11.1 Appointment of examiners for the research component of a doctoral degree

a) The provisions of rule 5.11.1 of the General Academic rules of the University regulate the appointment of examiners together with the following faculty requirements:
   i. The faculty appoints at least three examiners of which two must be external examiners, for the examination of the research product of every doctoral degree study. (Appointment of examiners may be facilitated during title registration or before the student submits a notice of submission).
   ii. Of the two external examiners appointed, one must preferably be situated abroad or must be internationally accredited.
   iii. At least one examiner should have publications in the field within which the research has been completed.
   iv. If more examiners need to be appointed, the necessary motivation will be submitted together with the title registration form for approval.
   v. The appointment of examiners will be endorsed by the Faculty Board.
   vi. An internal examiner is defined as an employee of the faculty/ University, but not involved with the study or research product at all.
   vii. Examiners are persons who have no conflicting interests with the student, the promoter, or the study.
   viii. Co-workers in the same project or article are not appointed as examiners.
   ix. External examiners are persons who are not attached to the university and/or who are not involved at the same or a related institution/ department (if more than one external examiner is appointed).
   x. Examiners must, as a minimum requirement have a doctoral degree or equal qualification.
   xi. Scientific committees are responsible for maintaining a well-established pool (or database) of examiners and, in conjunction with the academic / research director, monitor the frequency of appointing examiners.

xii. Postgraduate or postdoctoral students will not be appointed as an examiner for students of the same promoter until after a period of at least one year passed (since their studies were completed).

xiii. Academics previously attached to the NWU and who retired or since moved to another or an international University (or a recognised research institute (such as the CSIR, etc.), may only be appointed as external examiners after one year from leaving the NWU on condition that the examiner has no further association with the University or involved department.

xiv. Extraordinary staff members are appointed as internal examiners, due to their association with the University.

HSC.1.3.5.11.2 Examination and moderation

a) The provisions of rule 5.11.2 of the General Academic rules of the University apply.
b) Guidelines set out in the Student Academic Lifecycle Administration manual for Higher degrees will hold.

HSC.1.3.5.11.3 Second examination opportunity in coursework modules

a) The provisions of rule 5.11.3 of the General Academic rules of the University apply.
b) The faculty do not offer any doctoral coursework programmes.

HSC.1.3.5.11.4 Requirements for passing a coursework module

a) The provisions of rule 5.11.4 of the General Academic rules of the University apply.
b) The faculty do not offer any doctoral coursework programmes.

HSC.1.3.5.11.5 Recommendations relating to the examination of the research product in a doctoral degree programme

a) The provisions of rule 5.11.5 of the General Academic rules of the University apply.
b) The following faculty rules apply to the various options –
    1. be accepted unconditionally (*It would be allowed to add minor instances of clarification, but no additions to the scientific exposition or the interpretation of results would be allowed*).
    2. be accepted on condition that specified revisions be made to the satisfaction of the supervisor. (*Revisions of a specified nature, such as improving logics, argument, critical discussion, changing of layout or technical finishing. Prerequisite: the research piece must be scientifically sound and acceptable*); or
    3. be accepted on condition that specified revisions of a substantive nature be made to the satisfaction of the research / academic director concerned. *(Sizeable changes needed, e.g., rewriting of specific parts, updating of missing info, completing half-finished arguments. Reworking process must be done by means of a detailed memorandum focusing on specific recommendations and/or required changes. Prerequisite#1: the research piece must be scientifically sound and acceptable. Prerequisite#2: The research / academic director concerned must obtain the input from the relevant study leaders concerned before signing-off. Mark allocated should be at least in the 50-55% range)*; or
    4. be accepted on condition that specified revisions of a substantive nature be made to the satisfaction of the examiners concerned. *(Sizeable changes needed, e.g., rewriting of specific parts, updating of missing info, completing half-finished arguments. Reworking process must be done by means of a detailed memorandum focusing on specific recommendations and/or required changes. Prerequisite#1: the research piece must be scientifically sound and acceptable. The research piece is regarded a borderline case and the mark typically allocated would be in the 48-50% range)*
    5. not accepted in its current format, in which case it is referred back to the candidate for revision, elaboration or amendment and resubmission for re-examination.

(*Research is not scientifically acceptable, and should be revised, elaborated on, or amended and be resubmitted for re-examination. No final mark is allocated*); or

6. not accepted at all, in which case the candidate fails. (*Research piece has failed in its totality and cannot be re-worked or re-submitted. The student would need to start all over*).

HSC.1.3.5.11.6 Revisions to and re-examination of the research product of a doctoral degree

a) The provisions of rule 5.11.6 of the General Academic rules of the University apply.

HSC.1.3.5.11.7 Vagueness or differences regarding examination results

a) The provisions of rule 5.11.7 of the General Academic rules of the University apply.
b) Guidelines set out in the Student Academic Lifecycle Administration manual for Higher degrees are followed.

HSC.1.3.5.11.8 Dispute resolution

a) The provisions of rule 5.11.8 of the General Academic rules of the University apply.

HSC.1.3.5.12 Intellectual property in and publication of research products

a) The provisions of rule 5.12 of the General Academic rules of the University apply.

HSC.1.3.5.13 Extension of the study period

a) The provisions of rule 5.13 of the General Academic rules of the University apply.
b) The procedure in the Student Academic Lifecycle Administration manual for Higher degrees hold.
c) No extension of study period will be considered if the student has not registered a title, unless there are valid reasons for not complying with the rule, and permission is granted by the applicable research / academic director.

HSC.1.3.5.14 Attainment of the degree

a) The provisions of rule 5.14 of the General Academic rules of the University apply.

HSC.1.4 WARNING AGAINST PLAGIARISM

Assignments are individual tasks and not group activities (unless explicitly indicated as group activities.

HSC.1.4.1 Academic misconduct

Academic misconduct includes plagiarism and academic dishonesty (copying from others during examinations). Dishonest academic conduct is a serious transgression, regardless of whether it takes place orally, by conduct or in writing, during examinations or in the context of other forms of evaluation such as assignments, theses, reports, and publications. It is the policy of the University that no form of academic dishonesty will be tolerated. Should any such action be reported or observed, and the transgressor be found guilty, s/he will be punished in terms of the University's disciplinary policies, rules, and procedures. Hence there are two overarching types of academic misconduct, namely:

HSC.1.4.2 Plagiarism[1]

Plagiarism is the word attributed to a specific type of academic dishonesty – the repeating of somebody else's words, or even the offering of somebody else's train of thought as if it were one's own. Traditionally plagiarism is defined as the taking of the words, images, ideas, etc. of an author and presenting them as if they were one's own. This may manifest itself in a variety of ways and is not limited to students' writings of published articles or books. The cutting and pasting of web pages in itself are regarded in higher education as plagiarism if the web pages are not properly acknowledged and quoted. Whatever the source of the material or the intended outcome, plagiarism is cheating and is therefore unacceptable.

What then if one copies large portions of work **AND** uses quotation marks with accurate references, and one also links one's own opinion to them? Can one regard it as one's "own" work? On the level of higher education, it is expected of you to develop your **own** voice and opinions and to build on other people's work, rather than to hide behind it. It would therefore be regarded as bad academic practice but not as plagiarism.

Make sure that you fully understand plagiarism and that you are familiar with the policies and regulations that relate to plagiarism. Plagiarism is a serious academic transgression, but you are on the right track if you are clear, careful, and honest. Do not let a fear of plagiarism prevent you from fully utilising the rich resources that are available. Turnitin.com and Research Resources provide a checklist for preventing plagiarism.

Learn how to write in the style of your discipline. Your writing must be **YOUR** writing.

Learn to think critically and independently. Readers are interested in **your** understanding of an idea. Writing is a valuable exercise that tests your ability to explain a subject. It is an important part of learning.

Always give the necessary acknowledgement for every reference you use in your writing. Any ethically responsible writer **always** acknowledges the contributions of others and the source of his/her ideas.

Any verbatim text of another author that is used must be placed in quotation marks and quoted accurately.

When you paraphrase and/or summarise the work of others, reflect the exact meaning of the other author's ideas or facts in your own words and sentence structure.

Responsible authors have an ethical responsibility towards readers and the authors from whom they borrow to respect the ideas and words of others and to acknowledge those from whom they borrow – and where possible to use their own words when they paraphrase.

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1 *The author acknowledges with gratitude the work of the UK Centre for legal education, Pauline Ridley, University of Brighton, and the University if Pretoria's Plagiarism Prevention Policy on the topic of academic plagiarism.*

It is **NOT** an excuse that you had not **MEANT** to commit plagiarism or had not **KNOWN** that you were doing it.

HSC.1.4.2.1 Academic dishonesty (Copying from others during assessment opportunities such as test and examination opportunities)

Taking notes (whether in written or electronic form) into a test or examination venue (deliberately or inadvertently) is a transgression that is classified under academic misconduct. You are not allowed to take any notes or other aids (including cell phones and electronic media) into the test/examination venue except for those expressly and clearly allowed in terms of the examination prescripts (e.g., a mathematical pocket calculator), by way of an instruction in writing by the examinations section to the invigilator. Therefore, ensure before you write a test or examination that you do not have any notes in your possession. Ignorance is no excuse. Even if you have not used the aid(s), the possession thereof during assessment will be regarded in a serious light and steps will be taken against you. Therefore, enter the test venue with only the necessary and permissible aids, such as adequate pens, a pencil, eraser, a transparent ruler, and pocket calculator, all placed in a transparent plastic bag.

HSC.1.4.2.2 Punishment for transgressions, which is not limited to the two instances discussed above, may include one or a combination of the following:

- expulsion from the University, with or without notice to all or specific other higher education institutions and appropriate occupational or professional bodies.
- suspension from the University for a period, subject to conditions which are justifiable on educational grounds and acceptable within the institutional culture of the University.
- permanent expulsion from a residence, or refusal of access to all or some of the buildings, land or services of the University or admission only subject to specific conditions.
- suspension from attending classes for a specific period, either totally or only in respect of specific course units.
- refusal of admission to any examination or test occasion, which includes forfeiture of any marks already obtained and the cancellation of any subject or course unit.
- imposition of a fine, which may not exceed an amount equal to the fees payable by the student for the particular year.
- refusal of readmission to the University for a specific period or permanently, with or without notice to all or specific higher education institutions.
- disallowing of specific privileges as a student, with or without conditions that are justifiable on educational grounds and acceptable within the institutional culture of the University.
- imposition of any other penalty, combination of penalties or suspended penalty that, from the educational point of view and in accordance with the institutional culture of the University, is reasonable and fair in the circumstances; or
- a severe admonition and caution.

HSC.1.5 CAPACITY STIPULATION

Please take cognizance of the fact that, owing to specific capacity constraints, the faculty 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.

HSC.1.6 QUALIFICATIONS, PROGRAMMES AND CURRICULA

Masters-degrees							
Qualification name	**Qualification & Programme Code**	**SAQA Reg ID**	**Mode of delivery**	**Research entity**	**Campus**	**NQF-Level**	**Applications - closing date**
Master of Arts in Positive Psychology	8EY P01; G802P/V	90848	Full-time Contact	Africa Unit for Transdisciplinary Health Research	P/V	9	30 Sep
Master of Consumer Sciences	8CM N01; G801P	72802	Full-time / Part-time Contact	Africa Unit for Transdisciplinary Health Research	P	9	30 Sep
Master of Health Sciences in Clinical Psychology	8FL P01; G801P/M	112897	Full-time Contact	Community Psychosocial Research	P/M	9	30 June
Master of Health Sciences in Counselling Psychology	8FM P01; G801P	116751	Full-time Contact	Community Psychosocial Research	P	9	30 June
Master of Health Sciences in Research Psychology	8FP P01; G801P	112898	Full-time Contact	Community Psychosocial Research	P	9	30 Sep
Master of Health Sciences in Human Movement Sciences	8DH N01; G801P	100846	Full-time / Part-time Contact	Physical Activity, Sport and Recreation	P	9	11 Sep
Master of Health Sciences in Health Professions Education	8FH N01; G801P	99786	Full-time Contact	Centre for Health Professions Education	P	9	31 Oct
Master of Health Sciences in Psychology	8DM N01; G801M/V	100867	Full-time Contact/ Distance	Community Psychosocial Research	M/V	9	30 Oct

Masters-degrees							
Qualification name	**Qualification & Programme Code**	**SAQA Reg ID**	**Mode of delivery**	**Research entity**	**Campus**	**NQF-Level**	**Applications - closing date**
Master of Health Sciences in Recreation Science	8CN N01; G801P	100945	Full-time / Part-time Contact	Physical Activity, Sport and Recreation	P	9	11 Sep
Not presented in 2024: Master of Health Sciences in Gerontology	8BN P01; G801P	93992	Full-time	Africa Unit for Transdisciplinary Health Research	P	9	-
Master of Health Sciences in Transdisciplinary Health Promotion	8FB P01; G801P	91930	Full-time / Part-time Contact	Africa Unit for Transdisciplinary Health Research	P	9	30 Sep
Master of Health Sciences in Cardiovascular Physiology	8DD N01; G801P	112922	Full-time Contact	Hypertension in Africa Research Team	P	9	30 Nov
Master of Health Sciences in Occupational Hygiene	8FG N01; G801P	112528	Full-time / Part-time Contact	Occupational Hygiene and Health Research Initiative	P	9	30 Sep
Master of Science in Pharmaceutical Chemistry	8DE N01; G801P	117734	Full-time Contact	Centre of Excellence for Pharmaceutical Sciences	P	9	31 Oct
Master of Science in Pharmacology	8DF N01; G801P	117732	Full-time Contact	Centre of Excellence for Pharmaceutical Sciences	P	9	31 Oct
Master of Science in Pharmaceutics	8DG N01; G801P	117730	Full-time Contact	Centre of Excellence for Pharmaceutical Sciences	P	9	31 Oct

Masters-degrees							
Qualification name	**Qualification & Programme Code**	**SAQA Reg ID**	**Mode of delivery**	**Research entity**	**Campus**	**NQF-Level**	**Applications - closing date**
Master of Science in Pharmaceutical Sciences	8BP N01; G801P	97392	Full-time Contact	DSI/NWU Preclinical Drug Development Platform	P	9	31 Oct
Master of Pharmacy in Pharmacy Practice **WITH**							
Pharmacovigilance and Pharmacoepidemiology	8ED P01; G801P	100935	Full-time / Part time Contact	Medicine Usage in South Africa	P	9	31 Aug
Pharmaceutical Economics and Policy	8ED P02; G801P	100935	Full-time / Part time Contact	Medicine Usage in South Africa	P	9	31 Aug
Pharmaceutical public healthcare governance	8ED P03; G801P	100935	Full-time / Part time Contact	Medicine Usage in South Africa	P	9	31 Aug
Master of Science in Nutrition (Structured) **WITH**							
Therapeutic Nutrition	8CW P02 G801P	112835	Full-time / Part-time Contact	Centre of Excellence for Nutrition	P	9	30 Aug

Masters-degrees							
Qualification name	**Qualification & Programme Code**	**SAQA Reg ID**	**Mode of delivery**	**Research entity**	**Campus**	**NQF-Level**	**Applications - closing date**
Nutrition Science	8CW P03 G801P	112835	Full-time / Part-time Contact	Centre of Excellence for Nutrition	P	9	30 Aug
Nuclear Techniques	8CW P04 G801P	112835	Full-time / Part-time Contact	Centre of Excellence for Nutrition	P	9	30 Aug
Public Health Nutrition	8CW P05 G801P	112835	Full-time / Part-time Contact	Centre of Excellence for Nutrition	P	9	30 Aug
Master of Science in Nutrition (Research)	8DA N01; G801P	112835	Full-time / Part-time Contact	Centre of Excellence for Nutrition	P	9	30 Aug
Programmes phasing out - Only for pipeline students in 2024							
Master of Science in Dietetics	8DB P01; G802P	117737	Full-time / Part-time Contact		P	9	30 Aug
Master of Science in Nutrition	8CW P01; G802P	112835	Full-time / Part-time Contact		P	9	30 Aug
Master of Social Work	8CS N01; G801P/M/V	72799	Full-time / Part-time	Community Psychosocial Research	P/M/V	9	31July

Masters-degrees							
Qualification name	**Qualification & Programme Code**	**SAQA Reg ID**	**Mode of delivery**	**Research entity**	**Campus**	**NQF-Level**	**Applications - closing date**
			Contact				
Master of Social Work in Child Protection	8EU P01; G801P	72799	Full-time / Part-time Contact	Community Psychosocial Research	P	9	31 July
Master of Social Work in Forensic Practice	8EV P01; G801P	72799	Full-time / Part-time Contact	Community Psychosocial Research	P	9	31 July
Master of Nursing Science **WITH**							
Nursing Science	8FQ N01; G801P/M	117904	Full-time / Part-time Contact	Quality in Nursing and Midwifery	P/M	9	30 Sep

Doctorates							
Qualification name	**Qualification & Programme Code**	**SAQA Reg ID**	**Mode of delivery**	**Research entity**	**Campus**	**NQF-Level**	**Applications-closing date**
Doctor of Philosophy in Consumer Sciences	8CA R01; G901P	72768	Full-time / Part-time Contact	Africa Unit for Transdisciplinary Health Research	P	10	30 Sep
Doctor of Philosophy in Health Sciences **WITH**							
Human Movement Sciences	8CB R05; G901P	112926	Full-time / Part-time Contact	Physical Activity, Sport and Recreation	P	10	11 Sep
Health Professions Education	8CB R12; G901P	112926	Full-time / Part-time Contact	Centre for Health Professions Education	P	10	31 Oct
Nursing Science	8CB R07; G901P/M	112926	Full-time / Part-time Contact	Quality in Nursing and Midwifery	P/M	10	31 Oct
Occupational Hygiene	8CB R08; G901P	112926	Full-time / Part-time Contact	Occupational Hygiene and Health Research Initiative	P	10	15 Oct
Positive Psychology	8CB R09; G901P/V	112926	Full-time / Part-time Contact	Africa Unit for Transdisciplinary Health Research	P/V	10	30 Sep

Doctorates							
Qualification name	**Qualification & Programme Code**	**SAQA Reg ID**	**Mode of delivery**	**Research entity**	**Campus**	**NQF-Level**	**Applications-closing date**
Psychology	8CB R10; G901P/M/V	112926	Full-time / Part-time Contact/ Distance	Community Psychosocial Research	P/M/V	10	31 Jul
Recreation Science	8CB R11; G901P	112926	Full-time / Part-time Contact	Physical Activity, Sport and Recreation	P	10	11 Sep
Doctor of Philosophy in Pharmacy **WITH**							
Pharmaceutical Chemistry	8CC R01; G901P	117768	Full-time Contact	Centre of Excellence for Pharmaceutical Sciences	P	10	31 Oct
Pharmaceutics	8CC R02; G901P	117768	Full-time Contact	Centre of Excellence for Pharmaceutical Sciences	P	10	31 Oct
Pharmacology	8CC R03; G901P	117768	Full-time Contact	Centre of Excellence for Pharmaceutical Sciences	P	10	31 Oct
Pharmacy Practice	8CC R04; G901P	117768	Full-time / Part time Contact	Medicine Usage in South Africa	P	10	30 Sep

Doctorates							
Qualification name	**Qualification & Programme Code**	**SAQA Reg ID**	**Mode of delivery**	**Research entity**	**Campus**	**NQF-Level**	**Applications-closing date**
Doctor of Philosophy in Science **WITH**							
Dietetics	8CD R01; G901P	72768	Full-time / Part-time Contact	Centre of Excellence for Nutrition	P	10	30 Sep
Nutrition	8CD R02; G901P	72768	Full-time / Part-time Contact	Centre of Excellence for Nutrition	P	10	30 Sep
Physiology	8CD R03; G901P	72768	Full-time Contact	Hypertension in Africa Research Team	P	10	31 Oct
Pharmaceutical Sciences	8CD R04; G901P	72768	Full-time Contact	DSI/NWU Preclinical Drug Development Platform	P	10	31 Oct
Doctor of Philosophy in Social Work	8CE R01; G901P/M/V	72768	Full-time / Part-time Contact	Community Psychosocial Research	P/M/V	10	31 Jul
Doctor of Philosophy in Transdisciplinary Health Sciences	8CF R01; G901P	101259	Full-time / Part-time Contact	Africa Unit for Transdisciplinary Health Research	P	10	30 Sep

HSC.2 MASTER'S DEGREES

HSC.2.1 MASTER OF ARTS IN POSITIVE PSYCHOLOGY

HSC.2.1.1 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 programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that this will have financial implications.

HSC.2.1.2 Admission requirements of the qualification

A student who wishes to register for a masters-degree must have acquired an honours degree or equivalent qualification on NQF level 8 in the applicable field as approved by the Senate.

HSC.2.1.3 Outcomes of the qualification

After completion of the qualification, 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 and scope of practice 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.

HSC.2.1.4 Programme: Positive Psychology

Qualification code: 8EY P01

This programme is a structured masters-degree that consists of both taught and research components. The taught modules will be presented in several contact sessions in the first year of study. The research component (Mini-dissertation) runs over the first and second year of study. The aim is to equip students to apply knowledge from positive psychology in various contexts with the aim of enhancing the well-being and quality of life of 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 full-time basis in English and the closing date for applications is 30 September. Selection takes place in October and November.

HSC.2.1.4.1 Faculty specific rules and requirements of the programme

a) An honours degree (or equivalent) qualification on NQF level 8 in psychology or a related discipline.

b) The honours degree or equivalent in other academic fields must have been acquired with a minimum of 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 a MAPP specific application form for selection, which can be obtained from the website. A CV and certified academic record and qualifications will be required.

e) An interview and/or other indices may be used during the selection process.

f) Students with an academic background outside of the field of Psychology, should add an additional motivation for doing the course as requested in the MAPP application form.

g) NWU ethics training is compulsory after selection.

h) Final selection and approval are subject to available capacity.

HSC.2.1.4.2 Curriculum: Positive Psychology

The curriculum consists of course work presented by means of four lectured modules which must be successfully completed during the first year of study. The fifth module comprises of a research mini-dissertation which must be completed in the second year of study.

HSC.2.1.4.2.1 Compilation of curriculum: Positive Psychology

Qualification and programme code: 8EY P01; Curriculum code: G802P/V

Module code	Descriptive name	Credits
PSYY873	Research mini-dissertation in Positive Psychology	90
PSYP874	Introduction to Positive Psychology	24
PSYY875	Research methods and Assessment in Positive Psychology	18
PSYP877	Applications in Positive Psychology	24
PSYP878	Advanced Positive Psychology	24
Credit total for the curriculum		**180**

HSC.2.2 MASTER OF CONSUMER SCIENCES

The curricula for the masters-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.

HSC.2.2.1 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 programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.2.2.2 Admission requirements of the qualification

A student who wishes to register for a Masters-degree must have acquired an honours degree or equivalent qualification on NQF level 8 in the applicable field as approved by the Senate.

HSC.2.2.3 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 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.

HSC.2.2.4 Programme: Consumer Sciences

Qualification code: 8CM N01

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

HSC.2.2.4.1 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) Modules in Consumer behaviour and Research methodology on a fourth-year (Honours) level are compulsory for admission to the programme.

e) 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.

f) Students who do not comply with the requirements (par. c and d) may be allowed to write an admissions examination in the fourth-year modules of Consumer behaviour and Research methodology, 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.

k) A limited number of students will be selected per year based on available capacity.

HSC.2.2.4.2 Curriculum: Consumer Sciences

HSC.2.2.4.2.1 Compilation of the curriculum: Consumer Sciences

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

Module code	Descriptive name	Credits
VERW871	Dissertation	180
Total credits for the curriculum		**180**

HSC.2.3 MASTER OF HEALTH SCIENCES IN CLINICAL PSYCHOLOGY

HSC.2.3.1 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 programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.2.3.2 Admission requirements of the qualification

A student who wishes to register for a masters-degree must have acquired an honours degree or equivalent qualification on NQF level 8 in the applicable field as approved by the Senate.

HSC.2.3.3 Outcomes of the qualification

Students of the master's programme in Clinical Psychology should demonstrate the following:

a) specialist knowledge of the field of Clinical Psychology and the ability to engage with and critique current research or practice in this field.

b) the ability to analyse, evaluate and then choose appropriate enquiry methods and processes for the study of relevant materials related to the field of Clinical Psychology.

c) critical knowledge and understanding of the ethical and legal considerations applicable to research and the consequences of interventions on individual, group, and organisational level.

d) design, planning, conducting, and evaluating, by means of appropriate and creative qualitative and quantitative research methods, appropriate intervention strategies to address relevant needs and problems within the field of Clinical Psychology.

e) interpretation of psychological dynamics and pathology required for specialised screening of individuals, groups, and organisations.

f) critical knowledge and true understanding of hierarchical relations and networks (equivalent professional peers within the primary health care system) within the relevant system and be able to use these to the advantage of individuals, groups, and organisations.

g) an ability to do supervised research and to write a mini-dissertation in the field of study and to develop and sustain independent learning, academic and professional development.

h) the practice of 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.

i) utilization of appropriate technology (computer, e-mail, fax, psychometric tests) effectively in the Clinical Psychology environment (technological and environmental literacy).

j) exploration of different effective learning strategies to acquire the different capabilities of a practitioner in the field of Clinical Psychology.

k) promotion of responsible citizenship through their approach towards the holistic application of Clinical Psychology related skills. Assessing and diagnosing different needs and problems at the individual, group, and community levels.

l) consulting individuals, groups, and organisations to facilitate growth and development in the quest for the actualisation of human potential; and

m) managerial skills of a private practice.

n) 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.

HSC.2.3.4 Programme: Clinical Psychology

Qualification code: 8FL P01

The programme is presented on a full-time/ contact basis and the closing date for applications is 30 June whereafter a selection process will follow. The programme is presented on the Potchefstroom and Mafikeng campuses.

HSC.2.3.4.1 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 always 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 for ONLY one 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.

HSC.2.3.4.2 Curriculum: Clinical Psychology

HSC.2.3.4.2.1 Compilation of the curriculum: Clinical Psychology

Qualification-and programme code: 8FL P01; Curriculum code: G801P/M

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 in Clinical Psychology	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
Internship*		
Total credits for the curriculum		**200**

*A student will only be able to graduate after completion of all the modules as well as the internship as required by the HPCSA.

The internship year is a non-credit-bearing requirement of the Master of Health Sciences in Clinical Psychology degree. Therefore, students who have completed the coursework and mini-dissertation requirements may not graduate until they have also successfully completed their internships."

HSC.2.4 MASTER OF HEALTH SCIENCES IN COUNSELLING PSYCHOLOGY

HSC.2.4.1 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 specific programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.2.4.2 Admission requirements of the qualification

A student who wishes to register for a masters-degree must have acquired an honours degree or equivalent qualification on NQF level 8 in the applicable field as approved by the Senate.

HSC.2.4.3 Outcomes of the qualification

Students of the master's programme in Counselling Psychology should demonstrate the following:

a) specialist knowledge of the field of Counselling Psychology and the ability to engage with and critique current research or practice in this field.

b) the ability to analyse, evaluate and then choose appropriate enquiry methods and processes for the study of Counselling Psychology.

c) critical knowledge and understanding of the ethical and legal considerations applicable to research and the consequences of interventions on individual, group, and organisational level.

d) design and application of appropriate and creative methods to research practical and theoretical problems in the field of Counselling Psychology; - an ability to use appropriate counselling skills to address complex and challenging problems in the field of Counselling Psychology.

e) interpretation of psychological dynamics and pathology required for specialised screening of individuals, groups, and organisations.

f) critical knowledge and true understanding of hierarchical relations and networks (equivalent professional peers within the primary health care system) within the relevant system and be able to use these to the advantage of individuals, groups, and organisations.

g) an ability to do supervised research and to write a mini-dissertation in the field of study and to develop and sustain independent learning, academic and professional development.

h) the practice of 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.

i) utilization of appropriate technology (computer, e-mail, fax, psychometric tests) effectively in the Counselling Psychology environment (technological and environmental literacy).

j) exploration of different effective learning strategies to acquire the different capabilities of a practitioner in the field of Counselling Psychology; and

k) promotion of responsible citizenship through their approach towards the holistic application of Counselling Psychology related skills.

l) 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.

HSC.2.4.4 Programme: Counselling Psychology

Qualification code: 8FM P01

The programme is presented on a full-time/ contact basis and the closing date for applications is 30 June whereafter a selection process will follow.

HSC.2.4.4.1 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 always 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 for ONLY one 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.

HSC.2.4.4.2 Curriculum: Counselling Psychology

HSC.2.4.4.2.1 Compilation of the curriculum: Counselling Psychology

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

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
PSYV883	Ethics, Psychodiagnostics and Practical work	20
PSYV884	Applied Psychology and Community Interventions	20
PSYV885	Psychopharmacology, Neuropsychology and Advanced Psychopathology in Counselling Psychology	20
Internship*		
Total credits for the curriculum		**200**

*A student will only be able to graduate after completion of all the modules as well as the internship as required by the HPCSA.

The internship year is a non-credit-bearing requirement of the Master of Health Sciences in Counselling Psychology degree. Therefore, students who have completed the coursework and mini-dissertation requirements may not graduate until they have also successfully completed their internships."

HSC.2.5 MASTER OF HEALTH SCIENCES IN RESEARCH PSYCHOLOGY

HSC.2.5.1 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 programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.2.5.2 Admission requirements of the qualification

A student who wishes to register for a masters-degree must have acquired an honours degree or equivalent qualification on NQF level 8 in the applicable field as approved by the Senate.

HSC.2.5.3 Outcomes of the qualification

Students of the master's qualification in Research Psychology should demonstrate the following:

a) the ability to engage with and critique current research or practice in this field.

b) the ability to analyse, evaluate and then choose appropriate enquiry methods for doing research in Psychology.

c) critical knowledge and understanding of the ethical and legal considerations applicable to research and the consequences of interventions on individual, group, and organisational level.

d) advanced, systematic and specialist knowledge to undertake research at individual, community and/or interdisciplinary level by applying appropriate quantitative and/or qualitative research methods and techniques to identify, analyse, formulate, and solve complex research problem(s) in the domain of psychology.

e) advanced strategies to obtain, analyse and evaluate applicable information for its relevance and validity.

f) scientific interpretation of research results and integration of and critical reflection on, findings.

g) utilization of appropriate technology (computer, e-mail, fax, psychometric tests) effectively in the Research 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 Research Psychology; and

i) promotion of responsible citizenship through their approach towards the holistic application of research skills in the field of Psychology.

HSC.2.5.4 Programme: Research Psychology

Qualification code: 8FP P01

The programme is presented on a full-time basis and the closing date for applications is 30 September whereafter a selection process will follow during October/November.

HSC.2.5.4.1 Faculty specific rules and requirements of the programme

a) An Honours degree in Psychology is required (with at least 65 %).

b) Passing of a 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.

g) If the experiential progress is not as desired, the internship may be extended.

HSC.2.5.4.2 Curriculum: Research Psychology

HSC.2.5.4.2.1 Compilation of the curriculum: Research Psychology

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

Module code	Descriptive name	Credits
PSYD872	Mini-dissertation	100
PSYC874	Critical Research Skills	16
PSYC875	Quantitative Research Methods	16
PSYC876	Qualitative Research Methods	16
PSYC886	Project Management	16
PSYC887	Psychometrics and Applied Psychological Assessment	16
PSYC888	Community Psychology	10
PSYC889	Cognitive Psychology	10
Internship*		
Total credits for the curriculum		**200**

*A student will only be able to graduate after completion of all the modules as well as the internship as required by the HPCSA.

The internship year is a non-credit-bearing requirement of the Master of Health Sciences in Research Psychology degree. Therefore, students who have completed the coursework and mini-dissertation requirements may not graduate until they have also successfully completed their internships."

HSC.2.6 MASTER OF HEALTH SCIENCES IN CARDIOVASCULAR PHYSIOLOGY

HSC.2.6.1 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 programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.2.6.2 Admission requirements of the qualification

A student who wishes to register for a Masters-degree must have acquired an honours degree or equivalent qualification on NQF level 8 in the applicable field as approved by the Senate.

HSC.2.6.3 Outcomes of the qualification

After completing the qualification, students should demonstrate the following:

a) specialist knowledge of the field of Cardiovascular Physiology and the ability to engage with and critique current research or practice in this field.

b) 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.

c) critical knowledge and understanding of the ethical and legal considerations applicable to research and the consequences of interventions on individual and group level.

d) 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 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.

HSC.2.6.4 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 full-time basis and the general closing date for applications is 30 November. Applications received after this date will be considered on merit.

HSC.2.6.4.1 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 65% in Physiology (or equivalent qualification) is required and a minimum of 65% for the research component at honours level is recommended.

c) It is recommended that students should follow two applied Pharmacology modules (PHAN 211 and PHAN 221) to improve their knowledge regarding therapy.

d) Selection and approval by a postgraduate selection committee is subject to available capacity and academic performance.

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) The student must participate for the full-time of study in the Hypertension Teaching and Research clinic, as well as the Biochemistry Laboratory activities to gain practical experience.

HSC.2.6.4.2 Curriculum: Cardiovascular Physiology

HSC.2.6.4.2.1 Compilation of the curriculum: Cardiovascular Physiology

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

Module code	Descriptive name	Credits
PHYS871	Dissertation	180
Total credits for the curriculum		**180**

HSC.2.7 MASTER OF HEALTH SCIENCES IN GERONTOLOGY

Programme not presented in 2024.

HSC.2.7.1 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 programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.2.7.2 Admission requirements of the qualification

A student who wishes to register for a Masters-degree must have acquired an honours degree or equivalent qualification on NQF level 8 in the applicable field as approved by the Senate.

HSC.2.7.3 Outcomes of the qualification

After completing this qualification, the student should demonstrate:

a) 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.

a) knowledge and critical understanding of international and national population trends with special focus on population and individual aging both globally and in South Africa.

b) 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.

c) 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.

d) 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

e) the skill to draw valid, reliable, and relevant conclusions from different sources to apply these in micro-, meso- and macro level-interventions; and

f) to translate demographic ageing challenges into policy frameworks.

HSC.2.7.4 Programme: Gerontology

Qualification code: 8BN P01

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 Masters-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.

HSC.2.7.4.1 Faculty specific rules and requirements of the programme

a) A relevant four-year or honours degree in any health-related discipline, including biology, demography, economics, epidemiology, gerontology, the Human Science, medicine, nutrition, psychiatry, psychology, public health, social policy, nursing, and sociology will be required.

b) Experience in gerontology will be an advantage.

HSC.2.7.4.2 Curriculum: Gerontology

HSC.2.7.4.2.1 Composition of curriculum: Gerontology

Qualification- and programme code: 8BN P01; **Curriculum:** G801P

Module code	Descriptive name	Credits
TDHP811	Research methodology	16
TDHP812	Transdisciplinary health promotion	16
GRTL814	Population ageing and policies	16
GRTL815	Bio-medical and social theories	16
GRTL816	Quality of life and well-being of older persons	8
GRTL817	Gerontological interventions	8
GRTL873	Mini-dissertation	100
Credit total for the curriculum		**180**

HSC.2.8 MASTER OF HEALTH SCIENCES IN HEALTH PROFESSIONS EDUCATION

HSC.2.8.1 Duration (Minimum and maximum)

The minimum duration for the study is one year and the maximum duration two years, calculated from the date of the first registration for the programme.

The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.2.8.2 Admission requirements of the qualification

A student who wishes to register for a Masters-degree must have acquired an honours degree or equivalent qualification on NQF level 8 in the applicable field as approved by the Senate.

HSC.2.8.3 Outcomes of the qualification

After completion of this qualification the student should have:

a) specialist knowledge and critical understanding of the field of health science education appropriate to specific health professions within the higher education environment.

b) command of and the ability to select and execute appropriate and ethical research methodologies, including the design, methods, data analysis, and report writing for health science education research.

c) an ability to use the resources of academic and professional discourses to communicate and defend substantial ideas that are the products of research in an area of health education in higher education context; and use a range of advanced and specialized skills to communicate findings and ideas to a range of appropriate audiences; and

d) an ability to operate independently and take responsibility for own work in higher education research context, thereby demonstrating the ability for effective resource management.

HSC.2.8.4 Programme: Health Professions Education

Qualification code: 8FH N01

This qualification is only presented in English.

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

The programme is presented full-time or part-time via contact learning with a blended learning environment approach. The purpose of this qualification is to provide lecturers, who are currently employed as lecturers and researchers in health professions within a higher education and training environment, with an opportunity to enrol for a postgraduate qualification at NQF level 9. The focus of this qualification is on health education research in the higher education context with the aim to advance scholarship of teaching and learning in Health Sciences, and to prepare the candidate for further study at NQF level 10.

HSC.2.8.4.1 Faculty specific rules and requirements of the programme

a) In addition to the relevant General Academic Rules of the University, the following minimum requirements for admission to the MHSc in Health Professions Education apply:

- a bachelor honours degree in a field of health sciences (NQF level 8); or
- a postgraduate diploma (NQF level 8) in a field of health sciences with at least a 24-credit research component; or
- a 4-year bachelor's degree (NQF level 8, with specialization in a field of health sciences; and
- a 60% average for final year modules in the previous highest qualification; and
- proof of a minimum of 2 years of recent teaching and research experience in a field of health sciences at a higher education institution (e.g., an experienced lecturer who wishes to improve his/her teaching competence by completing a higher education teaching qualification in his/her discipline).

b) The following admission requirements are relevant to candidates with nursing qualifications:

- a 4-year bachelor's degree in nursing science (NQF level 8) plus an advanced diploma with Nursing Education as major (NQF level 7); and
- proof of registration with the South African Nursing Council as a nurse educator or of an equivalent registration if the student is not a South African citizen; and proof of a minimum of 2 years of recent teaching and research experience in a field of health sciences at a higher education institution (e.g., an experienced lecturer who wishes to improve his/her teaching

competence by completing a higher education teaching qualification in his/her discipline).

HSC.2.8.4.2 Curriculum: Health Professions Education

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

Module code	Descriptive name	Credits
HPED871	Dissertation	180
Total credits for the curriculum		**180**

HSC.2.8.1 MASTER OF HEALTH SCIENCES IN HUMAN MOVEMENT SCIENCES

HSC.2.8.2 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 programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.2.8.3 Admission requirements of the qualification

A student who wishes to register for a Masters-degree must have acquired an honours degree or equivalent qualification on NQF level 8 in the applicable field as approved by the Senate.

HSC.2.8.4 Outcomes of the qualification

After the successful completion of this qualification students should demonstrate:

a) 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.

b) advanced knowledge and deep understanding of a particular field of Human Movement Sciences across the lifespan and in different clinical populations to assess risk, prescribe appropriate exercise or lifestyle changes, manage disease prevention, or improve sport performance.

c) an ability to select and apply appropriate research methods of enquiry and appropriate research instruments within the quantitative and qualitative paradigm 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.

HSC.2.8.5 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 full-time and part-time, and applications should be submitted by 11 September (Late applications will be considered on merit).

HSC.2.8.5.1 Faculty specific rules and requirements of the programme

a) An honours or a 4-year qualification in Human Movement Sciences or related specialization field.

b) passing of a selection process as prescribed by the research entity.

c) capacity stipulations are applicable, and admission is subject to approval by the Research Director.

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) Selection will be based on previous academic performance, performance with a scientific writing assignment, if the student's topic of interest is aligned with the entities research focus and available capacity in the subject field.

HSC.2.8.5.2 Curriculum: Human Movement Sciences

HSC.2.8.5.2.1 Compilation of the curriculum: Human Movement Sciences

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

Module code	Descriptive name	Credits
MBWM871	Dissertation	180
Total credits for the curriculum		**180**

HSC.2.9 MASTER OF HEALTH SCIENCES IN OCCUPATIONAL HYGIENE

HSC.2.9.1 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 programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.2.9.2 Admission requirements of the qualification

To gain admission to the research Master of Health Sciences in Occupational Hygiene and in compliance with the NWU Admissions Policy, a student must have obtained:

a) a cognate four-year bachelor's degree at exit NQF level 8, with specialisation in Occupational Hygiene, such as the BHSc (Occupational Hygiene); OR

b) a cognate Bachelor Honours degree at exit NQF level 8, with specialisation in Occupational Hygiene; OR

c) an equivalent qualification at exit NQF level 8 with specialisation in Occupational Hygiene AND

d) an average of at least 60% for final year modules in the prerequisite qualification, AND

e) proven academic writing skills, such as the production of an accepted research proposal/report. Applicants may be requested to enrol parallel for an additional research methodology module if deemed necessary, as per General Academic Rule 4.9 and Faculty Specific Rules.

f) Alternatively, applicants must have the status of such a prerequisite qualification granted on request by the Senate, by attaining a level of competence which, in the opinion of Senate, is adequate for the purposes of admission as a candidate for the degree. An applicant for registration must give evidence of his/her attainments and education and complete such preliminary work as Senate may require and must satisfy Senate as to the suitability of his/her subject. An evaluation certificate as issued by the South African Qualifications Authority (SAQA) must be submitted if a previous qualification was obtained in a foreign country.

HSC.2.9.3 Outcomes of the qualification

After completion of this qualification the graduate will demonstrate:

a) specialist knowledge of the field of Occupational Hygiene and the ability to engage with and critique current research or practice in this field.

b) an ability to evaluate current processes of knowledge production and to identify a relevant research question within the field of Occupational Hygiene.

c) the ability to design and applicate an appropriate and creative quantitative

and/or qualitative research methodology, technique, and procedure to investigate practical and theoretical problem in the field of Occupational Hygiene.

d) critical knowledge and understanding of the ethical and legal considerations applicable to Occupational hygiene research in South Africa.

e) the ability to conduct independent research and to report their findings in academically appropriate ways.

f) the potential to act as academic leaders and experts in the field of Occupational Hygiene.

g) high levels of responsibility, self-reflectivity, and adaptability, with respect to ethical implications of research and national research needs.

HSC.2.9.4 Programme: Occupational Hygiene

Qualification code: 8FG N01

The programme is presented on a full-time or part-time basis.

The closing date for applications is 30 September. Applications received after this date will be considered on merit.

HSC.2.9.4.1 Faculty specific rules and requirements of the programme

a) Applicants with the relevant qualification and with an average of at least 60% for final year modules in the previous qualification will be considered for selection.

b) Selection will be made against the following criteria: (i) consideration of past academic performance (e.g. average of final year modules in the previous qualification), (ii) academic screening assignment (scientific writing assignment against set guidelines to establish basic subject knowledge, analysis of scientific data and scientific presentation and communication skills), (iii) a personality screening interview (to gauge aspects such as responsibility toward own teaching and learning, adaptability and verbal communication skills), and (iv) selection will be conducted with due consideration of widening access to higher education which includes equity of access.

c) The number of students selected, with consideration of the enrolment plan, will also consider: (i) work load of the related staff/supervisors (capacity), (ii) funding available or secured for research projects, (iii) the availability and accessibility of expertise regarding the subject/topic, (iv) if the research study will lead in a realistic time to the completion of study and publishable findings, and (v) where applicable, if the topic and interest of the student fit into the focus of the research entity (OHHRI).

d) Prospective students must provide proof of immunisation, especially against Hepatitis B.

HSC.2.9.4.2 **Curriculum: Occupational Hygiene**

HSC.2.9.4.2.1 Compilation of the curriculum: Occupational Hygiene

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

Module code	Descriptive name	Credits
BHIG871	Dissertation	180
Total credits for the curriculum		**180**

HSC.2.10 MASTER OF HEALTH SCIENCES IN PSYCHOLOGY

HSC.2.10.1 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 programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.2.10.2 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 on NQF level 8 in the applicable field as approved by the Senate.

HSC.2.10.3 Outcomes of the qualification

After successful completion of this master's qualification, the student should demonstrate:

a) specialist knowledge of the field of psychology and the ability to engage with and critique current research or practices in this field.

b) the ability to analyse, evaluate and then choose appropriate enquiry methods and processes for the study of relevant materials related to the field of psychology.

c) critical knowledge and understanding of the ethical and legal considerations applicable to research and the consequences of interventions on individual, group, and organisational level.

d) design, planning, conducting, and evaluating, by means of appropriate and creative qualitative and quantitative research methods, appropriate intervention strategies to address relevant needs and problems within the field of psychology.

e) interpretation of psychological dynamics and pathology required for specialised screening of individuals, groups, and organisations.

f) critical knowledge and true understanding of hierarchical relations and networks (equivalent professional peers within the primary health care system) within the relevant system and be able to use these to the advantage of individuals, groups, and organisations.

g) an ability to do supervised research and to write a dissertation in the field of study and to develop and sustain independent learning, academic and professional development.

h) the practice of 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.

i) utilization of appropriate technology (computer, e-mail, fax, psychometric tests) effectively in the academic environment (technological and environmental literacy).

j) exploration of different effective learning strategies to acquire the different capabilities of a practitioner in the field of Psychology.

k) promotion of responsible citizenship through their approach towards the holistic application of Psychology related skills, assessing and diagnosing different needs and problems at the individual, group, and community levels; and

l) consulting individuals, groups, and organisations to facilitate growth and development in the quest for the actualisation of human potential.

HSC.2.10.4 Programme: Psychology

Qualification code: 8DM N01
The aim of the programme is academic research in Psychology.

Closing date for applications is 30 October whereafter a selection process will follow.

HSC.2.10.4.1 Faculty specific rules and requirements of the programme

a) An honours degree in Psychology, a Bachelor of Psychology (B Psych), or a B Psych equivalent programme on NQF level 8 is required.

b) Conditional admission is granted based on:

- academic record,
- qualifications,
- Extent to which project fits into the research department, as well as availability of a study leaders.

c) Final approval will be given after an admissions interview and successful presentation of the research concept before an expert panel.

d) An average academic mark of at least 65% during the honours degree is required.

e) Candidates may be required to attend additional workshops to improve research skills.

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

HSC.2.10.4.2 Curriculum: Psychology

HSC.2.10.4.2.1 Compilation of curriculum: Psychology

Qualification and programme code 8DM N01; Curriculum code: G801M/V

Module code	Descriptive name	Credits
PSYC871	Dissertation	180
Credit total for the curriculum		**180**

HSC.2.11 MASTER OF HEALTH SCIENCES IN RECREATION SCIENCE

HSC.2.11.1 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 programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.2.11.2 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 on NQF level 8 in the applicable field as approved by the Senate.

HSC.2.11.3 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 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.

HSC.2.11.4 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 full-time and part-time, and applications should be submitted by 11 September. (Late applications will be considered on merit).

HSC.2.11.4.1 Faculty specific rules and requirements of the programme

a) General admission requirements of the university hold.

b) A selection process as prescribed by the research entity, and which takes place during October to November must be passed.

c) Final selection is subject to approval by the 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) Selection will be based on previous academic performance, performance with a scientific writing assignment, if the student's topic of interest is aligned with the entities research focus and available capacity in the subject field.

HSC.2.11.4.2 Curriculum: Recreation Science

HSC.2.11.4.2.1 Compilation of the curriculum: Recreation Science

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

Module code	Descriptive name	Credits
RKKV871	Dissertation	180
Total credits for the curriculum		**180**

HSC.2.12 MASTER OF HEALTH SCIENCES IN TRANSDISCIPLINARY HEALTH PROMOTION

HSC.2.12.1 Duration (Minimum and maximum)

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

According to the university's academic rules, students who apply for an additional study year must note that it will have financial implications for them.

HSC.2.12.2 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 on NQF level 8 in the relevant field as approved by the Senate.

HSC.2.12.3 Outcomes of the qualification

After completion of this qualification, the student should demonstrate:

a) advanced, systematic and specialist knowledge, understanding and skills to undertake research on individual, community and/or interdisciplinary levels 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, focusing 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 to identify and analyse complex real-world health problems and to draw valid, reliable, and relevant conclusions from different sources; and

d) The ability to communicate (with a supervisor's help) the research 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.

HSC.2.12.4 Programme: Transdisciplinary Health Promotion

Qualification code: 8FB P01

This qualification is presented full-time 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 full-time or part-time following a blended learning approach. The teaching-learning environment will include either contact learning or the use of synchronous and asynchronous learning, or both. It will enable healthcare professionals from various disciplines to assist communities in increasing control over and improvement of their own health. The healthcare 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 (dissertation). The three modules are completed in the same year for full-time studies or two years for part-time students.

HSC.2.12.4.1 Faculty specific rules and requirements of the programme

a) A relevant four-year professional Bachelor's 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 include academic achievement (a final mark of 60% applies to the previous qualification) and relevant experience.

c) Successful completion of a quality scientifically essay (written or oral) according to specific guidelines.

d) Applicants are required to write a web-based scientific writing and reading assessment. The results must be submitted along with the application.

e) A formal individual in-depth interview by a selection panel of researchers.

f) Access to and skills in computer technology are necessary, as this qualification will be delivered via a blended mode. Many of the materials and activities will be completed online.

g) Apart from the formal requirements related to university admission, candidates who want to enrol for the Master of Health Sciences in Transdisciplinary Health Promotion must:

- demonstrate the information-gathering, analysis and presentation skills required for study at NQF exit level 8.
- demonstrate an 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 they represent to be able to argue the contribution of that discipline in a transdisciplinary team.

h) A final mark of 60% applies to the previous qualification.

i) Students from foreign countries must have their degrees validated by SAQA **before** admission.

j) Progression rules: A second opportunity will be afforded if a theoretical module is failed. In the case of the dissertation, the university's assessment and moderation policy and faculty rules will apply.

k) Selection by a selection committee takes effect on October 1. It is subject to the student's academic performance and available capacity in the subject field. Students who meet the requirements will be invited for an interview.

l) Selection is subject to approval by the research director.

HSC.2.12.4.2 Curriculum: Transdisciplinary Health Promotion

The curriculum in this program is of an academic nature. 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 to health promotion across the lifespan. The programme aims at advancing existing professional skills and developing research skills. However, it does not lead to an additional professional qualification.

HSC.2.12.4.2.1 Composition of curriculum: Transdisciplinary Health Promotion

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

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

HSC.2.13 MASTER OF SCIENCE IN PHARMACEUTICAL CHEMISTRY

HSC.2.13.1 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 programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.2.13.2 Admission requirements of the qualification

A student who wishes to register for a Masters-degree must have acquired an honours degree or equivalent qualification on NQF level 8 in the applicable field as approved by the Senate.

HSC.2.13.3 Outcomes of the qualification

After completion of the qualification the student must demonstrate:

a) advanced/comprehensive specialist knowledge and skills 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.

HSC.2.13.4 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 full-time in Afrikaans and English.

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

HSC.2.13.4.1 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 on NQF level 8. In the above-mentioned 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.

HSC.2.13.4.2 Curriculum: 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 masters-degree studies" in the Centre of Excellence for Pharmaceutical Sciences.

HSC.2.13.4.2.1 Compilation of the curriculum: Pharmaceutical Chemistry

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

Module code	Descriptive name	Credits
FCHG871	Dissertation	180
Total credits for the curriculum		**180**

HSC.2.14 MASTER OF SCIENCE IN PHARMACOLOGY

HSC.2.14.1 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 specific programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.2.14.2 Admission requirements of the qualification

A student who wishes to register for a Masters-degree must have acquired an honours degree or equivalent qualification on NQF level 8 in the applicable field as approved by the Senate.

HSC.2.14.3 Outcomes of the qualification

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

a) make a responsible selection of drugs based on pharmacological-scientific and ethical principles in the best interest of the patient.

b) 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 regarding drug treatment; synthesise individualised pharmacological treatment approaches for a wide range of disease states.

c) 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.

d) 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.

HSC.2.14.4 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 full-time in Afrikaans and English.

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

HSC.2.14.4.1 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 on NQF level 8. In all the above-mentioned 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.

HSC.2.14.4.2 Curriculum: 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 masters-degree study" in the Centre of Excellence for Pharmaceutical Sciences.

HSC.2.14.4.2.1 Compilation of the curriculum: Pharmacology

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

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

HSC.2.15 MASTER OF SCIENCE IN PHARMACEUTICS

HSC.2.15.1 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 programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.2.15.2 Admission requirements of the qualification

A student who wishes to register for a Masters-degree must have acquired an honours degree or equivalent qualification on NQF level 8 in the applicable field as approved by the Senate.

HSC.2.15.3 Outcomes of the qualification

After completion of the qualification the student must demonstrate:

a) advanced/comprehensive specialist knowledge and skills 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.

HSC.2.15.4 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 full-time in Afrikaans and English.

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

HSC.2.15.4.1 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 on NQF level 8. 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.

HSC.2.15.4.2 Curriculum: 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.

HSC.2.15.4.2.1 Composition of the curriculum: Pharmaceutics

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

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

HSC.2.16 MASTER OF SCIENCE IN PHARMACEUTICAL SCIENCES

HSC.2.16.1 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 programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.2.16.2 Admission requirements of the qualification

A student who wishes to register for a Masters-degree must have acquired an honours degree or equivalent qualification on NQF level 8 in the applicable field as approved by the Senate.

HSC.2.16.3 Outcomes of the qualification

After completion of the qualification the student must demonstrate:

a) advanced/comprehensive specialist knowledge and skills 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 field of Pharmaceutical Sciences.

HSC.2.16.4 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 cater for 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 general closing date for applications is 31 October. Applications received after this date will be considered on merit and available capacity.

Note: All applicants must, before applying, personally contact the research director to ensure that supervisory capacity is available at the research entity.

HSC.2.16.4.1 Admission and selection requirements of the programme

a) A B Pharm degree; or

b) BSc Honours degree (NQF level 8) in Natural- or Health Sciences with one full year (two semesters) Chemistry completed on NQF level 7; or

c) Any other qualification which the Senate deems to be equivalent on NQF level 8.

d) Admission is subject to the approval of the Director of the DSI/NWU Preclinical Drug Development platform (PCDDP).

e) A 65% 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 DSI/NWU Preclinical Drug Development platform.

h) An evaluation certificate as issued by the South African Qualifications Authority (SAQA) must be submitted if a previous qualification was obtained in a foreign country.

HSC.2.16.4.2 Curriculum: Pharmaceutical Sciences:

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 DSI/NWU 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.

HSC.2.16.4.2.1 Composition of the curriculum: Pharmaceutical Sciences

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

Module code	Descriptive Name	Credits
FMWG871	Dissertation	180
Credit total for curriculum		**180**

HSC.2.17 MASTER OF SCIENCE IN NUTRITION

HSC.2.17.1 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 programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.2.17.2 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 on NQF level 8 in the applicable field as approved by the Senate.

HSC.2.17.3 Outcomes of the qualification

After completion of this qualification the student should be equipped:

a) with specialist 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 in chapter 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.

HSC.2.17.4 Programme: Nutrition (Research programme)

Qualification code: 8DA N01

The students follow 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 or chapter 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 masters-degree at the University.

The programme is presented on a full-time and part-time basis and the closing date for applications is 31 August whereafter the selection process will start.

HSC.2.17.4.1 Faculty specific rules and requirements of the programme

a) The student must be in possession of a four-year BSc Dietetics/Nutrition degree, a relevant Honours degree or equivalent qualification on NQF level 8 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 BSc Dietetics/Nutrition degree should have obtained at least 60% in all the third-year Nutrition modules as well as in the research module.

c) 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.

d) STTN111 (Descriptive statistics) or an equivalent module will be required.

e) 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, and international students should strongly comply with immunisation requirements set by the Global Engagement office.

f) In addition to faculty specific rules and requirements and to ensure that all selected post-graduate students can function at the same academic level, a compulsory introductory course in nutrition science must be completed. The course will take place over a fixed period at the beginning of each academic year, prior to the NWU registration deadline (dates will be communicated). Selected students must complete the course before commencement of the formal study program. This course is used to identify areas of development for each newly registered post-graduate student.

g) The final decision of whether the student will be admitted to the research or structured programme in Nutrition lies with the postgraduate selection committee.

h) Selection by a selection committee starts on the 1st of September and is subject to the academic performance of the student. Students, who comply with all the requirements, will be invited to an interview.

i) Selection is subject to available capacity and approval of the Director of the Centre of Excellence for Nutrition.

HSC.2.17.4.2 Curriculum: Nutrition

HSC.2.17.4.2.1 Qualification and programme code: 8DA N01; Curriculum code: G801P

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

HSC.2.18 MASTER OF SCIENCE IN NUTRITION (PHASING OUT)

Only open for pipeline students in 2024

HSC.2.18.1 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 programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.2.18.2 Admission requirements of the qualification

A student who wishes to register for a Masters-degree must have acquired an honours degree or equivalent qualification on NQF level 8 in the applicable field as approved by the Senate.

HSC.2.18.3 Programme: Nutrition (Structured programme)

Qualification code: 8CW P01

The students follow a curriculum consisting of three lectured modules and a dissertation (96 credits).

"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 or chapter 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 masters-degree at the University."

The programme is presented on a full-time and part-time basis and the closing date for applications is 31 August whereafter a selection process will start.

HSC.2.18.3.1 Faculty specific rules and requirements of the programme

a) The student must be in possession of a four-year BSc Dietetics/Nutrition 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 BSc Dietetics/Nutrition 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 will be required.

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 and international students should strongly comply with immunisation requirements set by the Global Engagement office.

e) In addition to faculty specific rules and requirements and to ensure that all selected post-graduate students can function at the same academic level,

a compulsory introductory course in nutrition science must be completed. The course will take place over a fixed period at the beginning of each academic year, prior to the NWU registration deadline (dates will be communicated). Selected students must complete the course before commencement of the formal study program. This course is used to identify areas of development for each newly registered post-graduate student.

f) A participation mark as stipulated for the specific module should be obtained by the student in order to be admitted to the exam.

g) A pass mark of 50% is required for all modules.

h) The final decision of whether the student will be admitted to the research or structured programme in Nutrition lies with the postgraduate selection committee.

i) 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.

j) Selection by a selection committee starts on the 1st of September and is subject to the academic performance of the student. Students, who comply with all the requirements, will be invited to an interview.

k) Selection is subject to available capacity and approval of the Director of the Centre of Excellence for Nutrition.

HSC.2.18.3.2 Curriculum: Nutrition

HSC.2.18.3.2.1 Compilation of the curriculum: Nutrition

Qualification and programme code: 8CW P01; Curriculum code: G802P

Module code	Descriptive name	Credits
Compulsory module		
NUTM872	Dissertation	96
Choice modules		
NUTA811*	Evidence-based data interpretation	32
NUTE811*	Nutritional Epidemiology	32
NUTP821*	Public Health Nutrition	32
NUTG874*	Molecular Nutrition	32
NUTS877*	Sport Nutrition	32
Total credits for the curriculum		**192**

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

HSC.2.19 MASTER OF SCIENCE IN NUTRITION

HSC.2.19.1 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 programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.2.19.2 Admission requirements of the qualification

A student who wishes to register for a Masters-degree must have acquired an honours degree or equivalent qualification on NQF level 8 in the applicable field as approved by the Senate.

HSC.2.19.3 Programme: Nutrition (with) Therapeutic Nutrition (Structured programme)

Qualification code: 8CW P02

To be admitted for the MSc in Nutrition with Therapeutic Nutrition programme a student should be in possession of a BSc Dietetics degree or an equivalent qualification.

The students follow a curriculum consisting of three lectured modules (30 credits each) and a mini-dissertation (90 credits).

A "mini-dissertation" is a written piece compiled for examination purposes in article or chapter format, potentially including one or more published or publishable research article(s), or unpublished research results, 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 masters-degree at the University."

The programme is presented on a full-time and part-time basis and the closing date for applications is 31 August whereafter a selection process will start.

HSC.2.19.3.1 Faculty specific rules and requirements of the programme

a) The student must be in possession of a four-year BSc Dietetics/Nutrition degree, a relevant Honours degree or equivalent qualification as approved by a postgraduate selection committee.

b) Students should have obtained at least 60% (or equivalent) in all the third-year Nutrition modules as well as in the research module (if no 4th year marks are available). The student should have obtained at least 60% (or equivalent) in the Honours degree.

c) STTN111 (Descriptive statistics) or an equivalent module is recommended.

d) The final decision of whether the student will be admitted to the research or structured programme in Nutrition lies with the postgraduate selection committee.

e) 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.

f) Selection by a selection committee starts on the 1st of September and is subject to the academic performance of the student. Students, who comply with all the requirements, will be invited to an interview.

g) Selection is subject to available capacity and approval of the Director of the Centre of Excellence for Nutrition.

h) 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 and international students should strongly comply with immunisation requirements set by the Global Engagement office.

HSC.2.19.3.1.1 Additional information:

i) In addition to faculty-specific rules and requirements, a compulsory academic orientation must be completed. The course will take place over a fixed period (approximately two days) at the beginning of each academic year (dates will be communicated).

j) For all modules making use of formative assessment, a participation mark as stipulated for the respective modules should be obtained by the student in order to be admitted to the exam.

k) A pass mark of 50% is required for all MSc modules.

l) International students must apply to have their degree approved by the South African Qualifications Authority (SAQA, www.saqa.org.za). The SAQA certificate must be submitted with the MSc application.

HSC.2.19.3.1.2 Compilation of the curriculum: Nutrition (with) Therapeutic Nutrition

Qualification and programme code: 8CW P02; Curriculum code: G801P

Module code	Descriptive name	Credits
Year modules		
NUTT872	Mini-dissertation in Therapeutic Nutrition	90
NUTE875	Introduction to Nutrition Epidemiology and Research Methods	30
Choice modules		
NUTH875*	Nutrition for the Hospitalised Patient	30
NUTG875*	Personalised Nutrition	30
NUTS875*	Sport Nutrition	30
Total credits for the curriculum		**180**

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

HSC.2.19.4 Programme: Nutrition (with) Nutrition Sciences (Structured programme)

Qualification code: 8CW P03

The students follow a curriculum consisting of three lectured modules (30 credits each) and a mini-dissertation (90 credits).

A “mini-dissertation” is a written piece compiled for examination purposes in article or chapter format, potentially including one or more published or publishable research article(s), or unpublished research results, 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 masters-degree at the University.”

The programme is presented on a full-time and part-time basis and the closing date for applications is 31 August whereafter a selection process will start.

a) The student must be in possession of a four-year BSc Dietetics/Nutrition degree, a relevant Honours degree or equivalent qualification as approved by a postgraduate selection committee.

b) Students should have obtained at least 60% (or equivalent) in all of the third-year Nutrition modules as well as in the research module (if no 4th year marks are available). The student should have obtained at least 60% (or equivalent) in the Honours degree.

c) STTN111 (Descriptive statistics) or an equivalent module is recommended.

d) The final decision of whether the student will be admitted to the research or structured programme in Nutrition lies with the postgraduate selection committee.

e) 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.

f) Selection by a selection committee starts on the 1st of September and is subject to the academic performance of the student. Students, who comply with all the requirements, will be invited to an interview.

g) Selection is subject to available capacity and approval of the Director of the Centre of Excellence for Nutrition.

h) 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 and international students should strongly comply with immunisation requirements set by the Global Engagement office.

HSC.2.19.4.1.1 Additional information:

i) In addition to faculty-specific rules and requirements, a compulsory academic orientation must be completed. The course will take place over a fixed period (approximately two days) at the beginning of each academic year (dates will be communicated).

j) For all modules making use of formative assessment, a participation mark as stipulated for the respective modules should be obtained by the student in order to be admitted to the exam.

k) A pass mark of 50% is required for all MSc modules.

l) International students must apply to have their degree approved by the South African Qualifications Authority (SAQA, www.saqa.org.za). The SAQA certificate must be submitted with the MSc application.

HSC.2.19.4.2 Curriculum: Nutrition

HSC.2.19.4.2.1 Compilation of the curriculum: Nutrition (with) Nutrition Sciences

Qualification and programme code: 8CW P03; Curriculum code: G801P

Module code	Descriptive name	Credits
Year modules		
NUTS872	Mini-dissertation in Nutrition Sciences	90
NUTE875	Introduction to Nutrition Epidemiology and Research Methods	30
First semester		
NUTD811	Approaches to Nutrition Data Acquisition	30
Second semester		
NUTN821	Nuclear Techniques	30
Total credits for the curriculum		**180**

HSC.2.19.5 Programme: Nutrition (with) Nuclear Techniques (Structured programme)

Qualification code: 8CW P04

The students follow a curriculum consisting of three lectured modules (30 credits each) and a mini-dissertation (90 credits).

A "mini-dissertation" is a written piece compiled for examination purposes in article or chapter format, potentially including one or more published or publishable research article(s), or unpublished research results, 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 masters-degree at the University."

The programme is presented on a full-time and part-time basis and the closing date for applications is 31 August whereafter a selection process will start.

HSC.2.19.5.1 Faculty specific rules and requirements of the programme

a) The student must be in possession of a four-year BSc Dietetics/Nutrition degree, a relevant Honours degree or equivalent qualification as approved by a postgraduate selection committee.

b) Students should have obtained at least 60% (or equivalent) in all the third-year Nutrition modules as well as in the research module (if no 4th year marks are available). The student should have obtained at least 60% (or equivalent) in the Honours degree.

c) STTN111 (Descriptive statistics) or an equivalent module is recommended.

d) The final decision of whether the student will be admitted to the research or structured programme in Nutrition lies with the postgraduate selection committee.

e) 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.

f) Selection by a selection committee starts on the 1st of September and is subject to the academic performance of the student. Students who comply with all the requirements will be invited to an interview.

g) Selection is subject to available capacity and approval of the Director of the Centre of Excellence for Nutrition.

h) 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 and international students should strongly comply with immunisation requirements set by the Global Engagement office.

HSC.2.19.5.1.1 Additional information:

i) In addition to faculty-specific rules and requirements, a compulsory academic orientation must be completed. The course will take place over a fixed period (approximately two days) at the beginning of each academic year (dates will be communicated).

j) For all modules making use of formative assessment, a participation mark as stipulated for the respective modules should be obtained by the student in order to be admitted to the exam.

k) A pass mark of 50% is required for all MSc modules.

l) International students must apply to have their degree approved by the South African Qualifications Authority (SAQA, www.saqa.org.za). The SAQA certificate must be submitted with the MSc application.

HSC.2.19.5.2 Curriculum: Nutrition

HSC.2.19.5.2.1 Compilation of the curriculum: Nutrition (with) Nuclear Techniques

Qualification and programme code: 8CW P04; Curriculum code: G801P

Module code	Descriptive name	Credits
Year modules		
NUTN872	Mini-dissertation in Nuclear Techniques	90
NUTE875	Introduction to Nutrition Epidemiology and Research Methods	30
First semester		
NUTP811	Introduction to Public Health Nutrition	30
Second semester		
NUTN821	Nuclear Techniques	30
Total credits for the curriculum		**180**

HSC.2.19.6 Programme: Nutrition (with) Public Health Nutrition (Structured programme)

Qualification code: 8CW P05

The students follow a curriculum consisting of three lectured modules (30 credits each) and a mini-dissertation (90 credits).

A "mini-dissertation" is a written piece compiled for examination purposes in article or chapter format, potentially including one or more published or publishable research article(s), or unpublished research results, 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 masters-degree at the University."

The programme is presented on a full-time and part-time basis and the closing date for applications is 31 August whereafter a selection process will start.

HSC.2.19.6.1 Faculty specific rules and requirements of the programme

a) The student must be in possession of a four-year BSc Dietetics/Nutrition degree, a relevant Honours degree or equivalent qualification as approved by a postgraduate selection committee.

b) Students should have obtained at least 60% (or equivalent) in all of the third-year Nutrition modules as well as in the research module (if no 4th year marks are available). The student should have obtained at least 60% (or equivalent) in the Honours degree.

c) STTN111 (Descriptive statistics) or an equivalent module is recommended.

d) The final decision of whether the student will be admitted to the research or structured programme in Nutrition lies with the postgraduate selection committee.

e) 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.

f) Selection by a selection committee starts on the 1st of September and is subject to the academic performance of the student. Students, who comply with all the requirements, will be invited to an interview.

g) Selection is subject to available capacity and approval of the Director of the Centre of Excellence for Nutrition.

h) 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 and international students should strongly comply with immunisation requirements set by the Global Engagement office.

HSC.2.19.6.1.1 Additional information:

i) In addition to faculty-specific rules and requirements, a compulsory academic orientation must be completed. The course will take place over a

fixed period (approximately two days) at the beginning of each academic year (dates will be communicated).

j) For all modules making use of formative assessment, a participation mark as stipulated for the respective modules should be obtained by the student in order to be admitted to the exam.

k) A pass mark of 50% is required for all MSc modules.

l) International students must apply to have their degree approved by the South African Qualifications Authority (SAQA, www.saqa.org.za). The SAQA certificate must be submitted with the MSc application.

HSC.2.19.6.2 Curriculum: Nutrition

HSC.2.19.6.2.1 Compilation of the curriculum: Nutrition (with) Public Health Nutrition

Qualification and programme code: 8CW P05; Curriculum code: G801P

Module code	Descriptive name	Credits
Year modules		
NUTP872	Mini-dissertation in Public Health Nutrition	90
NUTE875	Introduction to Nutrition Epidemiology and Research Methods	30
First semester		
NUTP811	Introduction to Public Health Nutrition	30
Second semester		
NUTP822	Applied Public Health Nutrition	30
Total credits for the curriculum		**180**

HSC.2.20 MASTER OF SCIENCE IN DIETETICS (PHASING OUT)

Only open for pipeline students in 2024

HSC.2.20.1 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 programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.2.20.2 Admission requirements of the qualification

A student who wishes to register for a Masters-degree must have acquired an honours degree or equivalent qualification on NQF level 8 in the applicable field as approved by the Senate.

HSC.2.20.3 Outcomes of the qualification

After completion of this qualification the student will:

a) be able to demonstrate advanced and specialist knowledge and insight regarding 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.

HSC.2.20.4 Programme: Dietetics (Structured degree)

Qualification code: 8DB P01

The students follow a curriculum consisting of three lectured modules and a dissertation.

"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 or chapter 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 masters-degree at the University".

The programme is presented on a full-time and part-time basis and the closing date for applications is 31 August whereafter a selection process will start.

HSC.2.20.4.1 Faculty specific rules and requirements of the programme

a) The student must be in possession of a four-year BSc Dietetics degree. It is also possible to be admitted to this degree with an Honours degree in Dietetics on NQF level 8 as approved by a postgraduate selection committee.

b) Students with a four-year BSc Dietetics degree should have obtained at least 60% in all 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 full-time 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 and international students should strongly comply with immunisation requirements set by the Global Engagement office.

g) In addition to faculty specific rules and requirements and to ensure that all selected post-graduate students can function at the same academic level, a compulsory introductory course in nutrition science must be completed. The course will take place over a fixed period at the beginning of each academic year, prior to the NWU registration deadline (dates will be communicated). Selected students must complete the course before commencement of the formal study program. This course is used to identify areas of development for each newly registered post-graduate student.

h) A participation mark as stipulated for the specific module should be obtained by the student to be admitted to the exam.

i) A pass mark of 50% is required for all modules.

j) Selection by a selection committee starts on the 1st of September and is subject to the academic performance of the student. Students who comply with the requirements, will be invited to an interview.

k) Selection is subject to approval by the Director and available capacity in the Centre of Excellence for Nutrition.

HSC.2.20.4.2 Curriculum: Dietetics

HSC.2.20.4.2.1 Compilation of the curriculum: Dietetics

Qualification-and programme code: 8DB P01; Curriculum **code: G802P**

Module code	Descriptive name	Credits
Compulsory modules		
NUTM872	Dissertation	96
NUTT811	Nutrition support for the paediatric patient	32
NUTC821	Nutrition support in critical care	32
Choice modules		
NUTA811*	Evidence-based data interpretation	32
NUTE811*	Nutritional Epidemiology	32
NUTP821*	Public Health Nutrition	32
NUTG874*	Molecular Nutrition	32
NUTS877*	Sport Nutrition	32
Total credits for the curriculum		**192**

***Choice modules** – select one (1) choice module

HSC.2.21 MASTER OF PHARMACY IN PHARMACY PRACTICE

The purpose of the qualification is to equip postgraduate students to be capable of practising at a highly specialised level as pharmacists who can act as role models in both the performance and future development of pharmacy practice, pharmaceutical systems, pharmaceutical public healthcare, pharmacovigilance, pharmacoepidemiology, and pharmaceutical and health economics. This qualification also aims to prepare graduates for further study at NQF level 10.

HSC.2.21.1 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 programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.2.21.2 Admission requirements of the qualification

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

HSC.2.21.3 Outcomes of the qualification

After completion of the qualification the student will be able to:

a) demonstrate advanced, systematic and specialist knowledge and skill to undertake a focused literature review, identify a relevant research problem and related research questions and apply appropriate research methods and techniques within the field of medicine utilisation and pharmacy practice.

b) plan and execute suitable quantitative and/or qualitative research approaches in a scientific and ethical manner by making use of appropriate research methods, techniques, and procedures.

c) interpret and integrate research findings and recommendations in a scientifically accountable manner and, via scientific and ethically correct verbal and written communication, present the complete dissertation to the appointed examiners; and

d) act as a leader, i.e., ethically, and responsibly, in the pharmaceutical profession as far as appropriate medicine utilisation and pharmacy practice is concerned.

HSC.2.21.4 Programme: (with) Pharmacovigiliance and Pharmacoepidemiology

Qualification code: 8ED P01

The purpose of the programme is to equip postgraduate students to be capable of practising at a highly specialised level as pharmacists who can act as role models in both the performance and future development of pharmacy practice, pharmacovigilance and pharmacoepidemiology. This qualification also aims to prepare graduates for further study at NQF level 10.

The programme is presented on a full-time and part-time basis in Afrikaans and English. Applications close 31 August.

HSC.2.21.4.1 Programme-specific outcomes

Upon completion of the programme, the student should be able to demonstrate:

a) The ability to apply specialized knowledge and professional skills to understand issues surrounding the risks and benefits of drug use in humans

and the implementing of pharmacovigilance programmes in health care environments.

b) The ability to evaluate current processes of knowledge production within the field of drug safety, medicine consumption and pharmacovigilance and then to identify an appropriate research question to address a specific problem in it.

c) Under supervision, the ability to identify, conceptualise, design, and implement a quantitative and/or qualitative pharmacoepidemiological study in a scientific and ethical manner to address complex and challenging problems within drug safety, medicine consumption and pharmacovigilance.

d) An ability to make autonomous ethical decisions which affect the safe use of medicine and the practice of pharmacovigilance.

e) An ability to design and implement a strategy for the processing and management of information, to conduct a comprehensive review of leading and current research within drug safety and medicine consumption to produce significant insights into pharmacovigilance.

f) Interpret and integrate research results in a scientifically accountable manner, and in a scientific and ethical way communicate results - orally and in writing.

g) Ability to be self-directed and a lifelong learner, able to work independently, utilise resources effectively, and exercise initiative in the field of medicine consumption, drug safety and pharmacovigilance.

h) Intellectual independence, research leadership and management of research and research development as far as appropriate and safe medicine consumption in South Africa and surrounding countries is concerned.

HSC.2.21.4.2 Faculty specific rules and requirements of the programme

a) A BPharm degree or a relevant health science qualification approved by the Senate on NQF level 8 is required.

b) Admission to the program/curriculum takes place according to the selection by the Scientific Committee and Leader of the research niche area. Selection is done during August to October of a specific year for registration in January the following year.

c) It is recommended that a prospective student must have achieved at least 60% in the first semester of the final year of the BPharm degree (preferably for fourth year BPharm students), or equivalent evidence of competency (e.g., international students) is expected.

d) Practise experience and prior learning in the field of pharmacy will be an advantage.

HSC.2.21.4.3 Curriculum: Pharmacovigiliance and Pharmacoepidemiology

The curriculum consists of 4 core modules (16 credits each) and a dissertation of 116 credits.

HSC.2.21.4.3.1 Compilation of the curriculum

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

Module code	Descriptive name	Credits
Year module		
PHPP872	Dissertation	116
First semester		
PHPP811	Research methodology, biostatistics, and evidence-based practice for health professionals	16
PHPP812	Adverse drug reactions and drug-related problems	16
Second semester		
PHPP821	Advanced drug utilisation review and pharmacoepidemiology	16
PHPP822	Pharmacovigilance	16
Total credits for the curriculum		**180**

HSC.2.21.5 Programme: (with) Pharmaceutical Economics and Policy

Qualification code: 8ED P02

The purpose of the programme is to provide specialised training in the theory and practice of economics as applied to the delivery of healthcare services, diseases, and medicine, thereby providing the experience and skills needed for informed healthcare service decision-making, and advance research and academic capacity within this discipline. The programme covers issues including health and healthcare systems, methods of economic evaluation, setting priorities using health and pharmaceutical economics, pharmacoepidemiology and the interface between health and pharmaceutical economics and pharmaceutical policy.

The programme is presented on a full-time and part-time basis in Afrikaans and English. Applications close 31 August.

HSC.2.21.5.1 Programme-specific outcomes

Upon completion of the programme, the student should be able to demonstrate:

a) An ability to apply specialised knowledge and professional skills to understand issues surrounding the field of pharmaceutical and health economics and the related policy framework for the application thereof.

b) An ability to evaluate current processes of knowledge production and to choose an appropriate process of enquiry for pharmaceutical and health economics.

c) Under supervision, the ability to identify new, relevant research themes, conceptualise, design, and implement a quantitative and/or qualitative research project, using appropriate economic analytical techniques in a scientific and ethical manner to address complex and challenging problems within pharmaceutical and health economics and the related policy framework for the application thereof.

d) An ability to make autonomous ethical decisions with regard to pharmaceutical and health economics and related policies.

e) Skills for undertaking literature searches to critically review published reports and compiling and communicating a pharmacoeconomic report in an ethically responsible manner using appropriate and creative methods, techniques, processes, or technologies.

f) Ability to communicate and defend substantial ideas in the field of pharmaceutical and health economics using a range of advanced and specialised skills and appropriate discourses, to a range of audiences with different levels of knowledge or expertise.

g) Ability to be a self-directed and lifelong learner, who are able to work independently, utilise resources effectively, and exercise initiative in the field of pharmaceutical and health economics and related policies.

h) Intellectual independence, research leadership and management of research, and research development as far as health and pharmaceutical economics and related policies is concerned.

HSC.2.21.5.2 Faculty specific rules and requirements of the programme

a) A BPharm degree or a relevant health science qualification approved by the Senate on NQF level 8 is required.

b) Admission to the program/curriculum takes place according to the selection by the Scientific Committee and Leader of the research niche area. Selection is done during August to October of a specific year for registration in January the following year.

c) It is recommended that a prospective student must have achieved at least 60% in the first semester of the final year of the BPharm degree (preferably for fourth year BPharm students), or equivalent evidence of competency (e.g., international students) is expected.

d) Practise experience and prior learning in the field of pharmacy will be an advantage.

HSC.2.21.5.3 Curriculum: Pharmaceutical Economics and Policy

The curriculum consists of 4 core modules (16 credits each) and a dissertation of 116 credits.

HSC.2.21.5.3.1 Compilation of the curriculum

Qualification-and programme code: 8ED P02; Curriculum code: G801P

Module code	Descriptive name	Credits
Year module		
PHPP872	Dissertation	116
First semester		
PHPP811	Research methodology, biostatistics, and evidence-based practice for health professionals	16
PHPP813	Health systems and Policy	16
Second semester		
PHPP821	Advanced drug utilisation review and pharmacoepidemiology	16
PHPP823	Pharmaceutical and Health economics	16
Total credits for the curriculum		**180**

HSC.2.21.6 Programme: (with) Pharmaceutical public healthcare governance

Qualification code: 8ED P03

The purpose of the programme is to equip postgraduate students to be capable of practising at a highly specialised level as pharmacists who can act as role models in both the performance and future development of pharmacy practice, pharmaceutical systems, and pharmaceutical public healthcare. This qualification also aims to prepare graduates for further study at NQF level 10.

The programme is presented on a full-time and part-time basis in Afrikaans and English. Applications close 31 August.

HSC.2.21.6.1 Programme-specific outcomes

Upon completion of the programme, the student should be able to demonstrate:

a) The ability to apply specialised knowledge and professional skills to understand issues surrounding the governance of pharmaceutical public health and medicine supply management in healthcare systems.

b) The ability to evaluate current processes of knowledge production within the field of the health systems, pharmaceutical public health, and medicine supply management.

c) Under supervision, the ability to identify, conceptualise, design, and implement a quantitative and/or qualitative study in a scientific and ethical manner to address complex and challenging problems within the field of health systems, pharmaceutical public health, and medicine supply management.

d) An ability to make autonomous ethical decisions which influence affect the provision of pharmaceutical public health and medicine supply management.

e) 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 within the field of the health systems, pharmaceutical public health, and medicine supply management.

f) Interpret and integrate research results in a scientifically accountable manner, and in a scientific and ethical way communicate - orally verbally and in writing.

g) Ability to be a self-directed and lifelong learner, who are able to work independently, utilise resources effectively, and exercise initiative in the field of health systems, pharmaceutical public health, and medicine supply management.

h) Intellectual independence, research leadership and management of research, and research development as far as the governance of health systems, pharmaceutical public health, and medicine supply management

HSC.2.21.6.2 Faculty specific rules and requirements of the programme

a) A BPharm degree or a relevant health science qualification approved by the Senate on NQF level 8 is required.

b) Admission to the program/curriculum takes place according to the selection by the Scientific Committee and Leader of the research niche area. Selection is done during August to October of a specific year for registration in January the following year.

c) It is recommended that a prospective student must have achieved at least 60% in the first semester of the final year of the BPharm degree (preferably

for fourth year BPharm students), or equivalent evidence of competency (e.g., international students) is expected.

d) Practise experience and prior learning in the field of pharmacy will be an advantage.

HSC.2.21.6.3 Curriculum: Pharmaceutical public healthcare governance

The curriculum consists of 4 core modules (16 credits each) and a dissertation of 116 credits.

HSC.2.21.6.3.1 Compilation of the curriculum

Qualification-and programme code: 8ED P03; Curriculum code: G801P

Module code	Descriptive name	Credits
Year module		
PHPP872	Dissertation	116
First semester		
PHPP811	Research methodology, biostatistics, and evidence-based practice for health professionals	16
PHPP813	Health systems and Policy	16
Second semester		
PHPP824	Governance in pharmaceutical systems	16
PHPP825	Pharmaceutical public healthcare Governance	16
Total credits for the curriculum		**180**

HSC.2.22 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 Health and personnel of the subject group Social Work and the Centre for Child, Youth and Family Studies.

Apart from highly exceptional cases that must 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 full-time or part-time.

HSC.2.22.1 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 programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.2.22.2 Admission requirements of the qualification

a) A four-year bachelor's degree on NQF level 8 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).

HSC.2.22.3 Outcomes of the qualification

On completion of the qualification, candidates should be proficient in:

a) The utilization of various main theories, development theories, primary perspectives and practice models 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) Contribute to the full development of him/herself and the social and economic development of the society at large, by being aware of the importance of:

- Reflect on and explore a variety of strategies to learn more effectively,
- Participate as responsible citizens in the life of local communities and regions,
- Be culturally and aesthetically sensitive across a range of social contexts,
- Explore education and career opportunities, and
- Develop entrepreneurial opportunities.

HSC.2.22.4 Programme: Social Work

Qualification code: 8CS N01

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

Closing date for applications is 31 July.

HSC.2.22.4.1 Faculty specific rules and requirements of the programme

a) A four-year bachelor's degree on NQF level 8 in Social Work is required.

b) Candidates must have achieved an average of 60% in the bachelor's degree.

c) Each applicant will be subject 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.

d) Each candidate may be requested to submit a mini-research proposal or draft and /or review articles as part of the selection process.

e) Completion of an academic literacy test and/or psychometric test may be required.

f) Satisfactory academic progress should be maintained. The department is free to terminate a student's study if the academic progress is unsatisfactory.

HSC.2.22.4.2 Curriculum: Social Work

The dissertation option is aimed at students who want to do research on a topic within the focus area of the subject group Social Work and COMPRES within the Faculty of Health Sciences.

HSC.2.22.4.2.1 Compilation of the curriculum: Social Work

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

Module code	Descriptive name	Credits
MSWR871	Dissertation	180
Total credits for the curriculum		**180**

HSC.2.23 MASTER OF SOCIAL WORK IN CHILD PROTECTION

Studies in this degree can be done full-time or part-time.

HSC.2.23.1 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 programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.2.23.2 Admission requirements of the qualification

a) A four-year bachelor's degree on NQF level 8 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).

HSC.2.23.3 Outcomes of the qualification

On completion of the qualification, candidates should be proficient in:

f) The utilization of various main theories, development theories, primary perspectives and practice models in research and the solution of a variety of social problems and needs.

g) the responsible and effective organisation and management of the self, his/her activities, and his/her services.

h) effective communication where visual, mathematical and language skills are required within the sphere of Social Work research and services.

i) the effective and critical utilisation of science and technology; and

j) Contribute to the full development of him/herself and the social and economic development of the society at large, by being aware of the importance of:

- Reflect on and explore a variety of strategies to learn more effectively,
- Participate as responsible citizens in the life of local communities and regions,
- Be culturally and aesthetically sensitive across a range of social contexts,
- Explore education and career opportunities, and
- Develop entrepreneurial opportunities.

HSC.2.23.4 Programme: Child Protection

Qualification code: 8EU P01

Completion of this qualification will allow students admission to doctoral studies in social work.

Closing date for applications is 31 July.

HSC.2.23.4.1 Faculty specific rules and requirements of the programme

a) A four-year bachelor's degree on NQF level 8 in Social Work is required.

b) Candidates must have achieved an average of 60% in the bachelor's degree.

c) Completion of an academic literacy test and/or psychometric test may 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.

e) Each candidate may be requested to submit a mini-research proposal or draft and /or review articles as part of the selection process.

f) A Satisfactory academic progress should be maintained. The department is free to terminate a student's study if the academic progress is unsatisfactory.

HSC.2.23.4.2 Curriculum: Child Protection

HSC.2.23.4.2.1 Compilation of the curriculum: Child Protection

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

Module code	Descriptive name	Credits
MWKC873	Research Theory & Mini-dissertation	90
MWKC876	Adoption as a Specialization	28
MWKC877	Alternative Care Models & Strategies	20
MWKK878	Contemporary Child Protection - Practice and Policies	20
MWKK879	Assessment & Intervention of Vulnerable Children	22
Total credits for the curriculum		**180**

HSC.2.24 MASTER OF SOCIAL WORK IN FORENSIC PRACTICE

Studies in this degree can be done full-time or part-time.

HSC.2.24.1 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 programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.2.24.2 Admission requirements of the qualification

a) A four-year bachelor's degree on NQF level 8 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).

HSC.2.24.2.1.1 Outcomes of the qualification

On completion of the qualification, candidates should be proficient in:

a) the utilization of various main theories, development theories, primary perspectives and practice models in research and 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) Contribute to the full development of him/herself and the social and economic development of the society at large, by being aware of the importance of:

- Reflect on and explore a variety of strategies to learn more effectively,
- Participate as responsible citizens in the life of local communities and regions,

• Be culturally and aesthetically sensitive across a range of social contexts,
• Explore education and career opportunities, and
• Develop entrepreneurial opportunities.

HSC.2.24.3 Programme: Forensic Practice

Qualification code: 8EV P01

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 31 July.

HSC.2.24.3.1 Faculty specific rules and requirements of the programme

a) A four-year bachelor's degree in social work on NQF level 8 is required.

b) Candidates must have achieved an average of 60% in the bachelor's degree.

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.

e) Each candidate may be requested to submit a mini-research proposal and /or review articles as part of the selection process.

f) Satisfactory academic progress should be maintained. The department is free to terminate a student's study if the academic progress is unsatisfactory.

HSC.2.24.3.2 Curriculum: Forensic Practice

HSC.2.24.3.2.1 Compilation of the curriculum: Forensic Practice

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

Module code	Descriptive name	Credits
MWKC873	Research Theory & Mini-dissertation	90
MWKF885	General Child Assessment	22
MWKF886	Sexual and Physical Abuse	22
MWKF887	Legislation, report writing and the social worker as expert in criminal- and children court	24
MWKF888	Trauma assessment and investigating process	22
Total credits for the curriculum		180

HSC.2.25 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 NUMIQ (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 NUMIQ (Quality in Nursing and Midwifery.

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

HSC.2.25.1 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 programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.2.25.2 Admission requirements of the qualification

a) To qualify for admission to the Master of Nursing Science, a prospective student must be a professional nurse registered with the South African Nursing Council and a professional nurse (and midwife) and be in possession of a four-year professional degree (NQF level 8) or a three-year degree (NQF level 7) with a relevant honours or postgraduate diploma (NQF level 8), such as the postgraduate diploma in Nursing education, or an equivalent qualification.

b) In addition, a prospective student must comply with all other requirements as prescribed in the General Academic rules of the NWU and the rules of the faculty of Health Sciences.

c) To be admitted to this programme, a student should have obtained at least 60% in the research methodology module on NQF level 8.

HSC.2.25.3 Outcomes of the qualification

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

- specialist knowledge and understanding to engage and critique health and nursing research and practices within the field of Nursing Science and to contribute to disciplined thinking about health matters and issues.
- an ability to evaluate current processes of knowledge production in nursing science and to choose appropriate processes of enquiry in Nursing Science.
- the ability to conduct independent inquiry in a specialised field of nursing and health, and to report the findings in academically appropriate ways.
- high levels of responsibility, self-reflexivity, and adaptability, with respect to the ethical implications of health research, the determination of socially relevant issues and research needs in South Africa.

- the ability to conduct independent inquiry in nursing and to report their findings in academically appropriate ways.

HSC.2.25.4 Programme: Nursing Science

Qualification Code: 8FQ 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. The provided health care should be able to meet the needs of the time, the province, the country, and the person. Health care at this level is characterized /driven by service delivery and involvement in policy development. The masters prepared professional demonstrates leadership, continues professional development and lifelong learning. He/she role models scholarship in health and mentor others.

The closing date for applications is 30 September.

HSC.2.25.4.1 Faculty specific rules and requirements of the programme

a) Admission requirements of the qualification holds.
b) Each candidate must submit a two-page concept paper/research assignment in an acceptable academic format, as part of the selection process;
c) The selection process will take place from the 1st of October;
d) Selection is subject to academic performance, practical considerations and available capacity and expertise in the research entity and subject group and the approval by the Director of NUMIQ research focus area.
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. If not sufficient the applicant will be advised to obtain these skills before being accepted into the master's degree.
f) Successful completion of an approved Research Methodology Module or Short Learning Program on a level that ensures the student's ability to develop an acceptable research proposal, either before enrollment in the master's degree or during the first semester;
g) Please note that the skill levels required as stipulated above may be formally assessed following the paper selection in the year preceding the master's degree (during the 2nd semester).
h) Satisfactory academic progress according to the agreed milestone/ project plan should be maintained. The department is free to terminate a student's study if the academic progress is unsatisfactory.

HSC.2.25.4.2 Curriculum: Nursing Science

HSC.2.25.4.2.1 Compilation of the curriculum: Nursing Science

Qualification- and programme code: 8FQ N01; **Curriculum code**: **G801P/M**

Module code	Descriptive name	Credits
NURS871	Dissertation	180
Total credits for the curriculum		**180**

HSC.3 DOCTORATES

HSC.3.1 DOCTOR OF PHILOSOPHY IN CONSUMER SCIENCES

HSC.3.1.1 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 programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.3.1.2 Admission requirements of the qualification

A masters' degree or equivalent qualification on NQF level 9 as approved by Senate is essential for admission to a doctoral degree.

HSC.3.1.3 Outcomes of the qualification

The achievement of this qualification means that the PhD graduate can 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 based on 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:

a) identifying and solving problems in which responses display those responsible decisions using critical and creative thinking have been made.

b) 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.

c) 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.

d) demonstrating the effective utilisation of technology for strategies aimed at the development of Consumer Sciences as well as science in general.

e) 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.

f) 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.

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

HSC.3.1.4 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 full-time 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 full-time or part-time basis.

HSC.3.1.4.1 Faculty specific rules and requirements of the programme

a) An applicable master's degree or a qualification NQF level 9 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).

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, 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.

j) A limited number of students will be selected per year based on available capacity.

HSC.3.1.4.2 Curriculum: 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.

HSC.3.1.4.2.1 Compilation of the curriculum: Consumer Sciences

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

Module code	Descriptive name	Credits
VERB971	Thesis	360
Total credits for the curriculum		**360**

HSC.3.2 DOCTOR OF PHILOSOPHY IN HEALTH SCIENCES

HSC.3.2.1 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 programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.3.2.2 Admission requirements of the qualification

A master's degree or equivalent qualification NQF level 9 as approved by Senate is essential for admission to a doctoral degree.

HSC.3.2.3 Outcomes of the qualification

The achievement of this qualification means that the PhD graduate can 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 Health 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 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.

c) Deal with complexity, lacunae, and contradictions in the knowledge base of the Health Sciences.

d) Autonomously generate, synthesize, and evaluate information and concepts at highly abstract levels and make sound evaluations based on 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 those 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.

HSC.3.2.4 Programme: (with) 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 11 September. (After this date, applications will be considered on merit). Students can study full-time or part-time.

HSC.3.2.4.1 Faculty specific rules and requirements of the programme

a) A master's degree or equivalent qualification NQF level 9 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 research director.

d) A selection process by an internal selection panel takes place during October to November. Applications received after this date will be selected on merit during January and February.

e) Selection will be based on previous academic performance, performance with a scientific writing assignment, if the student's topic of interest is aligned with the entities research focus and available capacity in the subject field.

HSC.3.2.4.2 Curriculum: Human Movement Science

HSC.3.2.4.2.1 Compilation of the curriculum: Human Movement Science

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

Module code	Descriptive name	Credits
MBWK971	Thesis	360
Total credits for the curriculum		**360**

HSC.3.2.5 Programme: (with) 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 full-time or part-time.

HSC.3.2.5.1 Faculty specific rules and requirements of the programme

a) A master's degree or equivalent qualification NQF level 9 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 research director.

d) A selection process by an internal selection panel takes place during October to November. Applications received after this date will be selected on merit during January and February.

e) Selection will be based on previous academic performance, performance with a scientific writing assignment, if the student's topic of interest is aligned with the entities research focus and available capacity in the subject field.

HSC.3.2.5.2 Curriculum: Recreation Science

HSC.3.2.5.2.1 Compilation of the curriculum: Recreation Science

Qualification- and programme code: 8CB R11; Curriculum **code: G901P**

Module code	Descriptive name	Credits
RKKX971	Thesis	360
Total credits for the curriculum		**360**

HSC.3.2.6 Programme: (with) Health Professions Education

Qualification code: 8CB R12

The general closing date for applications is 31 October and applications received after this date will be selected on merit during January and February.

The programme is presented full-time or part-time via contact learning with a blended learning environment approach. The purpose of this qualification is to provide lecturers, who are currently employed as lecturers and researchers in health professions within a higher education and training environment with a NQF level 10 qualification. The focus of this qualification is on health education research in the higher education context with the aim to advance scholarship of teaching and learning in Health Sciences.

HSC.3.2.6.1 Faculty specific rules and requirements of the programme

a) Admission to this programme can be granted after completion of a relevant master's degree (or equivalent qualification) NQF level 9 with at least a 60% average and

b) proof of a minimum of 2 years of recent teaching and research experience in a field of health sciences at a higher education institution (e.g., an experienced lecturer who wishes to improve his/her teaching competence by completing a higher education teaching qualification in his/her discipline).

c) Students from foreign countries are requested to have their degrees validated by SAQA before admission.

HSC.3.2.6.2 Curriculum: Health Professions Education

Qualification - and programme code: 8CB R12; Curriculum: G901P

Module code	Descriptive name	Credits
HPED971	Thesis	360
Total credits for the curriculum		**360**

HSC.3.2.7 Programme: (with) 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 15 October. (After this date, applications will be considered on merit). The programme can be done on a full-time or part-time basis.

HSC.3.2.7.1 Faculty specific rules and requirements of the programme

a) Admission to this programme can be granted after completion of a Master's degree in Occupational Hygiene (or equivalent qualification) on NQF level 9.

b) At least 60% average in the master's degree is required.

c) Selection according to specified admission requirements is done by the research director and senior researchers.

d) Selection will be made against the following criteria: (i) consideration of past academic performance, (ii) academic screening assignment (scientific writing assignment against set guidelines to establish advanced subject knowledge, analysis of scientific data and scientific presentation and communication skills), (iii) a personality screening interview (to gauge aspects such as responsibility toward own teaching and learning, adaptability and verbal communication skills), and (iv) selection will be conducted with due consideration of widening access to higher education

which includes equity of access. b) The number of students selected, with consideration of the enrolment plan, will also consider: (i) workload of the related staff/promoter (capacity), (ii) funding available or secured for research projects, (iii) the availability and accessibility of expertise regarding the subject/topic, (iv) if the research study will lead in a realistic time to the completion of study and publishable findings, and (v) where applicable, if the topic and interest of the student fit into the focus of the research entity (OHHRI).

HSC.3.2.7.2 Curriculum: Occupational Hygiene

HSC.3.2.7.2.1 Compilation of the curriculum: Occupational Hygiene

Qualification- and programme code: 8CB R08; Curriculum **code: G901P**

Module code	Descriptive name	Credits
BHIG971	Thesis	360
Total credits for the curriculum		**360**

HSC.3.2.8 Programme: (with) Positive Psychology

Qualification code: 8CB R09

The curriculum composition of this programme is of an academic nature. The curriculum provides an opportunity for the development of specialised and advanced knowledge, with the accompanying relevant applied skills, attitudes, and values as researchers in Positive Psychology, and prepares the student for postdoctoral study in Positive Psychology.

The general closing date for applications is 30 September. Selection takes place in October and November. Students can study on a full-time or part-time basis.

HSC.3.2.8.1 Faculty specific rules and requirements of the programme

a) A Master's degree (NQF level 9) in Positive Psychology or Psychology. Students should have achieved at least 65% for the master's degree.

b) Proof of adequate prior knowledge in Positive Psychology is a prerequisite.

c) Proof of adequate research skills is a prerequisite.

d) For selection, the prospective student must submit a research protocol which will be evaluated by a specialist panel.

e) The research concept must fall within the research focus, projects, and expertise of the subject group.

f) Final admission and approval are subject to available capacity and expertise in the subject group.

g) Candidates may be requested to attend additional workshops to improve their research skills.

h) NWU ethics training is compulsory accompanied by a certificate of completion.

HSC.3.2.8.2 Curriculum: Positive Psychology

HSC.3.2.8.2.1 Compilation of the curriculum: Positive Psychology

Qualification- and programme code: 8CB R09; **Curriculum code: G901P/V**

Module code	Descriptive name	Credits
PSYP971	Thesis	360
Total credits for the curriculum		**360**

HSC.3.2.9 Programme: (with) 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 closing date for applications is 31 July. (After this date, applications will be considered on merit). Studies can be done on a full-time or part-time basis.

HSC.3.2.9.1 Faculty specific rules and requirements of the programme

a) Students must have achieved at least 65% in a master's degree on NQF level 9 in psychology.

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 are 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.

HSC.3.2.9.2 Curriculum: Psychology

HSC.3.2.9.2.1 Compilation of the curriculum: Psychology

Qualification- and programme code: 8CB R10; **Curriculum code: G901P/M/V**

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

HSC.3.2.10 Programme: (with) Nursing Sciences

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 full-time or part-time basis.

HSC.3.2.10.1 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 on NQF level 9 which the Senate considers equivalent.

b) The candidate must have achieved at least 65% in the master's degree.

c) The candidate must submit a provisional project proposal in an acceptable academic format, as part of the selection process.

d) Selection is subject to academic performance, practical considerations and available capacity and expertise in the research entity and subject group and the approval by the Director of NUMIQ research focus area.

e) A doctoral study programme must be completed successfully (details are available from the research director)

f) The student should defend the proposal during a doctoral seminar as organised by the NuMIQ research focus area.

HSC.3.2.10.2 Curriculum: Nursing Science

HSC.3.2.10.2.1 Compilation of the curriculum: Nursing Science

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

Module code	Descriptive name	Credits
VPVV971	Thesis	360
Total credits for the curriculum		**360**

HSC.3.3 DOCTOR OF PHILOSOPHY IN PHARMACY

HSC.3.3.1 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 programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.3.3.2 Admission requirements of the qualification

A Masters-degree or equivalent qualification on NQF level 9 as approved by Senate is essential for admission to a doctoral degree.

HSC.3.3.3 Outcomes of the qualification

The achievement of this qualification means that the PhD graduate can 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 based on 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.

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: 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 those 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 Pharmacy field 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.

HSC.3.3.4 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 the following curriculum: Pharmaceutical Chemistry.

The curriculum is presented on a full-time basis in Afrikaans and English.

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

HSC.3.3.4.1 Faculty specific rules and requirements of the programme

a) A master's degree or equivalent qualification on NQF level 9 as approved by Senate is required in the 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) If a student wishes to present a thesis in the form of research articles, the stipulations of the General Rules hold.

HSC.3.3.4.2 Curriculum: Pharmaceutical Chemistry

This curriculum has a dual aim, namely:

1. for the student who has reached the level of a masters-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

2. 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.

HSC.3.3.4.2.1 Compilation of the curriculum: Pharmaceutical Chemistry

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

Module code	Descriptive name	Credits
FCHG971	Thesis	360
Total credits for the curriculum		**360**

HSC.3.3.5 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 full-time basis in Afrikaans and English.

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

HSC.3.3.5.1 Faculty specific rules and requirements of the programme

a) A master's degree or equivalent qualification on NQF level 9 as approved by Senate is required in the 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) If a student wishes to present a thesis in the form of research articles, the stipulations of the General Rules hold.

HSC.3.3.5.2 Curriculum: Pharmaceutics

This curriculum has a dual aim, namely:

1. for the student who has reached the level of a masters-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

2. 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.

HSC.3.3.5.2.1 Compilation of the curriculum: Pharmaceutics

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

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

HSC.3.3.6 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 full-time basis in Afrikaans and English.

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

HSC.3.3.6.1 Faculty specific rules and requirements of the programme

a) A master's degree or equivalent qualification on NQF level 9 as approved by Senate is required in the 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) If a student wishes to present a thesis in the form of research articles, the stipulations of the General Rules hold.

HSC.3.3.6.2 Curriculum: Pharmacology

This curriculum has a dual aim, namely:

1. for the student who has reached the level of a masters-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

2. 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.

HSC.3.3.6.2.1 Compilation of the curriculum: Pharmacology

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

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

HSC.3.3.7 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 full-time and part-time basis in Afrikaans and English.

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

HSC.3.3.7.1 Faculty specific rules and requirements of the programme

a) A Master of Pharmacy (M Pharm) or equivalent qualification on NQF level 9 is required.

b) Admission to the program/curriculum takes place according to the selection by the Scientific Committee and leader of the research niche area. Selection is done during August to October of a specific year for registration in January the following year.

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) If a student obtains permission to present a thesis in the form of research articles, the stipulations of the General Academic Rules of the University hold.

HSC.3.3.7.2 Curriculum: Pharmacy Practice

This curriculum has a dual aim, namely:

1. for the student who has reached the level of a masters-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

2. 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.

HSC.3.3.7.2.1 Compilation of the curriculum: Pharmacy Practice

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

Module code	Descriptive name	Credits
FPKG971	Thesis	360
Total credits for the curriculum		**360**

HSC.3.4 DOCTOR OF PHILOSOPHY IN SCIENCE

HSC.3.4.1 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 specific programme. The faculty's decision is based on the current subsidy model for universities and may differ from other faculties or regulations.

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.3.4.2 Admission requirements of the qualification

A master's degree or equivalent qualification on NQF level 9 as approved by Senate is essential for admission to a doctoral degree.

HSC.3.4.3 Outcomes of the qualification

The achievement of this qualification means that the PhD graduate can 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 based on 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 those 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.

HSC.3.4.4 Programme: (with) 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 30 September. (After this date, applications will be considered on merit). Studies can be conducted full-time or part-time.

HSC.3.4.4.1 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 BSc Dietetics degree as well as an MSc degree on NQF level 9 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 Masters-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 and international students should strongly comply with immunisation requirements set by the Global Engagement office.

HSC.3.4.4.2 Curriculum: Dietetics

HSC.3.4.4.2.1 Compilation of the curriculum: Dietetics

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

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

HSC.3.4.5 Programme: (with) 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 30 September. (After this date, applications will be considered on merit). Studies can be conducted full-time or part-time.

HSC.3.4.5.1 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 on NQF level 9 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 Masters-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 and international students should strongly comply with immunisation requirements set by the Global Engagement office.

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.

HSC.3.4.5.2 Curriculum: Nutrition

HSC.3.4.5.2.1 Compilation of the curriculum: Nutrition

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

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

HSC.3.4.6 Programme: (with) Physiology

Qualification code: 8CD R03

The aim of the qualification is to enable a student who has already obtained a masters-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 Sciences, 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 only on a full-time basis.

HSC.3.4.6.1 Faculty specific rules and requirements of the programme

a) Students must be in possession of a suitable Master of Science or Master of Health Science degree or a qualification which the Senate considers equivalent on NQF level 9.

b) 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.

c) The student should achieve at least 65% in Physiology at master's level (or equivalent qualification).

d) It is strongly recommended that the student should provide proof of immunisation against Hepatitis A and B.

e) The student must participate for the full-time of study in the Hypertension Teaching and Research clinic, as well as the Biochemistry Laboratory activities to gain practical experience.

HSC.3.4.6.2 Curriculum: Physiology

HSC.3.4.6.2.1 Compilation of the curriculum: Physiology

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

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

HSC.3.4.7 Programme: (with) Pharmaceutical Sciences

Qualification code: 8CD R04

The purpose of the qualification is to develop candidates as independent young researchers within the field of Pharmaceutical Sciences. Furthermore, and by way of increased research competence, to provide candidates with relevant and advanced knowledge, skills, and competences for application in the pharmaceutical and related fields such as the cosmetic and food industries. During completion of this degree, students will obtain professional and research 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.

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

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

Note: All applicants must, before applying, personally contact the research director to ensure that supervisory capacity is available at the research entity. Contact details at the following link:

HSC.3.4.7.1 Faculty specific rules and requirements of the programme

a) A master's degree or equivalent qualification on NQF level 9 as approved by Senate is required in the field of specialization.

b) The student should preferably have achieved at least 65% for their masters-degree.

c) Experience and prior learning in relevant positions will be taken in consideration.

d) 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.

e) If a student obtains permission to present a thesis in the form of research articles, the stipulations of the General Academic Rules of the University hold.

HSC.3.4.7.2 Curriculum: Pharmaceutical Sciences

The aim is to:

- provide learners with the necessary competence as highly skilled professional workers in the field of Pharmaceutical Sciences and related industries.
- provide learners with advanced knowledge, specific skills, and applied competence to address the shortage that exists for highly skilled workers in pharmaceutical science industry and related sectors, thereby providing in the needs of different communities and the country at large.

HSC.3.4.7.2.1 Compilation of the curriculum: Pharmaceutical Sciences

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

Module code	Descriptive name	Credits
FMWG971	Thesis	360
Total credits for the curriculum		**360**

HSC.3.5 DOCTOR OF PHILOSOPHY IN SOCIAL WORK

HSC.3.5.1 Duration (minimum and maximum)

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

Students who apply for an additional study year according to the Academic rules of the University, must note that it will have financial implications for them.

HSC.3.5.2 Admission requirements of the qualification

A master's degree in social work on NQF level 9 is essential for admission to a doctoral degree.

HSC.3.5.3 Outcomes of the qualification

The achievement of this qualification means that the PhD graduate can 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 those 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 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.

HSC.3.5.4 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 31 July. (After this date applications, will be considered on merit). The studies can be conducted full-time or part-time.

HSC.3.5.4.1 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 on NQF level 9.

b) Consideration will be given to the student's previous academic performance. (Candidates must have achieved an average of 65% in the master's degree).

c) Completion of an academic literacy test or equivalent assessment to demonstrate reading and writing ability may be required, the final scores of which should be above 60%.

d) 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.

e) Submission of a shortened (draft) research proposal will serve as final selection criterion.

f) 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).

g) Prospective applicants may have to complete and pass a short refresher course in research methods.

HSC.3.5.4.2 Curriculum: Social Work

HSC.3.5.4.2.1 Compilation of the curriculum: Social Work

Qualification- and programme code: 8CE R01; **Curriculum code: G901P/M/V**

Module code	Descriptive name	Credits
MWKN971	Thesis	360
Total credits for the curriculum		**360**

HSC.3.6 DOCTOR OF PHILOSOPHY IN TRANSDISCIPLINARY HEALTH SCIENCES

HSC.3.6.1 Duration (Minimum and maximum)

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

However, according to the Academic rules of the University, students who apply for an additional study year must note that it will have financial implications for them.

HSC.3.6.2 Admission requirements of the qualification

A student who wishes to register for a doctoral degree must have acquired a Masters' degree or equivalent qualification as approved by the Senate on NQF level 9 in the relevant field.

HSC.3.6.3 Outcomes of the qualification

After completing this programme, the candidate should be able to demonstrate the following:

a) an advanced, systematic and specialist grasp of the body of knowledge of transdisciplinary health.

b) the competency to undertake and prepare a critical and relevant literature review, apply theories and specialised tools and techniques in identifying and analysing complex real-world health problems and draw valid, reliable, and appropriate conclusions from different sources.

c) knowledge and critical understanding of national and international population trends and community needs to evaluate these trends and needs and come to conclusions, focusing on integrated transdisciplinary health in South Africa and globally.

d) a critical understanding of transdisciplinary health research and skills to undertake research on an individual-, group-, and community 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, and to communicate and defend, orally and in writing, substantial ideas.

e) the ability to defend the research results effectively and ethically in a protocol and coherent thesis and present this verbally to a specialist and non-specialist audience using the resources of professional academic discourse supported by IT.

f) demonstrate the ability to participate in and contribute to scholarly transdisciplinary debates; and

g) the ability to critically synthesise and evaluate existing data and compose research articles for publication in accredited national and/or international journals.

HSC.3.6.4 Programme: Transdisciplinary Health Sciences

Qualification code: 8CF R01

This qualification is presented full-time 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.

HSC.3.6.4.1 Faculty-specific rules and requirements of the programme

a) Candidates with a Master's degree in Transdisciplinary Health Promotion or a health-related discipline on NQF level 9 will articulate into the PhD in Transdisciplinary Health Sciences.

b) Candidates might be requested to complete the module TDHP811 (Research Methodology) and/or TDHP812 (Transdisciplinary Health Promotion) to ensure current scientific and research methodology knowledge.

c) Paper selection criteria include academic achievement (a final mark of 60% applies for the previous qualification) and relevant experience.

d) Successful completion of a quality scientific assignment (written) according to the following guidelines: i) Introduction, background, problem statement and methodology for an identified research problem, and ii) Scientific writing style, utilising the Harvard referencing style.

e) Applicants are required to write web-based scientific writing and reading assessments at their own expense, of which the results must be submitted along with the application.

f) A formal individual in-depth interview by a selection panel of researchers.

g) Access to and skills in computer technology as this qualification will be delivered via a blended mode. Many of the materials and activities will have to be completed online.

h) Students from foreign countries must have their degrees validated by SAQA before admission.

i) Selection is subject to the student's academic performance 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.

HSC.3.6.4.2 Curriculum: Transdisciplinary Health Sciences

HSC.3.6.4.2.1 Composition of curriculum: Transdisciplinary Health Sciences

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

Module code	Descriptive name	Credits
TDHP971	Thesis	360
Credit total for the curriculum		**360**

HSC.4 MODULE OUTCOMES

HSC.4.1 MASTER'S DEGREES

Module code: BHIG871	Semester 1 and 2	NQF-Level: 9

Title: Dissertation

Module outcomes:

After successful completion of this module, the student should demonstrate:

- specialist knowledge a particular research topic/problem in the field of Occupational Hygiene and the ability to engage with and critique current research or practice in this field.
- the ability to evaluate current processes of knowledge production and to identify a relevant research problem.
- The ability to design, select and applicate appropriate and creative quantitative and/or qualitative research methodologies, techniques, and procedures to investigate the research topic/problem.
- critical knowledge and understanding of the ethical and legal considerations applicable to the research problem and the consequences of interventions on individual, group, and industry level.
- the ability to conduct research on the research problem independently, but under the supervision of a supervisor, and to report findings in academically appropriate ways.
- the potential to act as an academic leader and expert on the research problem in the field of Occupational Hygiene.
- high levels of responsibility, self-reflectivity, and adaptability, with respect to ethical implications of the research conducted and research needs in the broader context of Occupational Hygiene.

Mode of delivery: Full-time and Part-time – Contact.

Assessment methods:

Submission of a research dissertation (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules. The final result of the degree is based on the average of all marks allocated by examiners for the dissertation. A minimum pass mark of 50% will be required.

Assessment criteria:

The student will prove that the outcomes have been realised by demonstrating the ability to:

- display specialist knowledge on the specific research problem to enable engagement and critique of current research and practices on the specific research problem within the field of Occupational Hygiene.
- apply and develop intellectual independence and advanced research skills, sophisticated knowledge, and research methodologies to the solution of the research problem in the field of Occupational Hygiene.
- analyse and evaluate ethical and legal implications of research on the relevant research problem and the implications thereof on the national practice of Occupational Hygiene.
- design and implement a strategy for the processing and management of information related to the research problem and to initiate and engage in the academic reporting and to defend the results of research in an appropriate academic manner.
- plan, manage and optimize all aspects of research processes as an academic leader and expert on the research problem in the field of occupational hygiene.
- apply high levels of responsibility, self-reflexivity, and adaptability in own management of learning and analyse and evaluate ethical implications of the research conducted and in the broader national research needs context.

Module code: FCHG871	Semester 1 and 2	NQF-Level: 9

Title: Dissertation

Module outcomes:

After successful completion of this module, the student will demonstrate:

- 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 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 Pharmaceutical Chemistry.
- 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.

Mode of delivery: Contact.
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:
Submission of a research dissertation (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules. The final mark of the degree is based on the average of all marks allocated by examiners for the dissertation. A minimum pass mark of 50% will be required.

Assessment criteria
Students have mastered the outcomes if they are able to:
- 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: FKLG871	**Semester 1 and 2**	**NQF-Level: 9**

Title: Dissertation

Module outcomes:

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

- advanced/progressive/innovative and specialised knowledge and critical understanding regarding 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 to 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.
- 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.

Mode of delivery:

Contact.

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:
Submission of a research dissertation (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules. The final mark of the degree is based on the average of all marks allocated by examiners for the dissertation. A minimum pass mark of 50% will be required.

Assessment criteria
Students have mastered the outcomes if they are able to:

- 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: FMSG871	**Semester 1 and 2**	**NQF-Level: 9**

Title: Dissertation

Module outcomes:
After successful completion of this module, the student will demonstrate:

- 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:
Contact.
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:
Submission of a research dissertation (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules. The final mark of the degree is based on the average of all marks allocated by examiners for the dissertation. A minimum pass mark of 50% will be required.

Assessment criteria
Students have mastered the outcomes if they are able to:
- 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 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

Module outcomes:

After successful completion of this module, the student should 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.
- 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: Full-time/part-time – contact.

Assessment methods:
Submission of a research dissertation (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules. The final mark of the degree is based on the average of all marks allocated by examiners for the dissertation. A minimum pass mark of 50% will be required.

Assessment criteria
Students have mastered the outcomes if they are able to:

- 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 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.
- 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: GRTL873	**Semester 1 and 2**	**NQF-Level: 9**

Title: Mini-dissertation

Module outcomes:
On completion of this module, the student should be able to demonstrate:

- Specialist knowledge and understanding to engage and conduct research under supervision in the field of in health promotion in gerontology within a transdisciplinary context, using a range of skills to identify, analyse and address complex, real-world problems ethically; and

- An ability to evaluate current processes of knowledge production in the field of Transdisciplinary Health Sciences and to choose appropriate processes of inquiry for in the area of Gerontology.
- The ability to conduct independent inquiry in Gerontology, and to report their findings in academically appropriate ways.
- 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 area of Gerontology to produce significant insights.
- The potential to act as academic leaders and experts in the field of Gerontology.
- 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: Full-time / Part-time. Contact.

Assessment methods:
Submission of a research mini-dissertation (in partial compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules. The final mark is based on the average of all marks allocated by examiners for the mini-dissertation and the average of all module marks (50:50 ratio). A minimum pass mark of 50% will be required.

Assessment criteria:
The student has mastered the outcomes when he/she can:
- Display specialist knowledge to enable engagement and critique of current research and practices within the field of health promotion to engage in systematic and disciplined thinking about transdisciplinary health matters and issues, with specific reference to the Gerontology.
- 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 Gerontology.
- Analyse and apply specialised problem-solving skills in identifying, conceptualising, designing, and implementing methods of inquiry to address complex and challenging problems within a field of Transdisciplinary Health Sciences with specific reference to Gerontology.
- Design and implement a strategy for the processing and management of information, to conduct a comprehensive review of leading and current research in Gerontology to produce significant insights.
- Engage in and initiate academic and educational discourse to report and defend substantial ideas that are the results of research in an area of Gerontology.
- Plan, manage and optimise all aspects of research processes within complex and unpredictable contexts in Health Sciences as academic leaders and experts in the field of Gerontology.
- 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: GRTL814	**Semester 1 and 2**	**NQF-Level: 9**

Title: Population ageing and policies

Module outcomes:
On completion of this module, the student should be able to demonstrate:
- 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 demographics of ageing.
- The ability to conduct independent inquiry in the field of Gerontology with relation to population, ageing and policies and to report their findings in academically appropriate ways.
- An ability to design and implement a strategy for the processing and management of information, to conduct a comprehensive review of leading and current research in the area of Gerontology to produce significant insights in national and international policies and trends.
- The potential to act as academic leaders and experts in the field of Gerontology.
- 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: Full-time / Part-time. Contact.

Assessment methods:

Discussions and assigned tasks / projects. The student will be required to write 2 essays of not more than 5000 words for both, to be assessed.

Assessment criteria:

The student will have mastered the outcomes when he/she can:

- Compare global, sub-Saharan, and South African trends in policy on fertility, mortality and migration and write critical and argumentative comments on each.
- Analyse, compare, and evaluate international and national social policy instruments on population ageing frameworks, specifically the following:
    - Madrid's International Plan of Action on Ageing (MIPAA).
    - Pan-African Policy Framework (AU).
    - National policy frameworks (South African Older Persons' Act, 2006).
- Write critical recommendations/comments to translate demographic ageing challenges into policy frameworks.
- Analyse and apply specialised problem-solving skills in identifying, conceptualising, designing, and implementing methods of inquiry to address complex and challenging problems within Gerontology with specific reference to the content of population, ageing and policies.
- Design and implement a strategy for the processing and management of information, to conduct a comprehensive review of leading and current research around Gerontology to produce significant insights.
- Engage and initiate in academic and educational discourse to report and defend substantial ideas that are the results of research around Gerontology to produce significant insights in national and international policies and trends in Sub-Saharan Africa on fertility, mortality, and migration.
- Plan, manage and optimise all aspects of research processes within complex and unpredictable contexts in Health Sciences as academic leaders and experts in the field of Gerontology.
- 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: GRTL815	**Semester 1 and 2**	**NQF-Level: 9**

Title: Bio-medical and social theories

Module outcomes:

At the end of the module the student should be able to demonstrate:

- To demonstrate an understanding of key theoretical and conceptual approaches from a bio-medical perspective regarding the complex realities of older people in South Africa.
- To demonstrate an understanding of key theoretical and conceptual approaches from a social science perspective in the complex realities of older people in South Africa.
- The ability to conduct independent inquiry in the field of Gerontology with relation to bio-medical and social theories and to report their findings in academically appropriate ways.
- An ability to design and implement a strategy for the processing and management of information, to conduct a comprehensive review of leading and current research around Gerontology to produce significant insights in bio-medical and social theories.
- The potential to act as academic leaders and experts in the field of Gerontology.
- 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: Full-time / Part-time. Contact.

Assessment methods:

Discussions and assigned tasks / projects. The student will be required to write 2 essays of not more than 5000 words for both, to be assessed.

Assessment criteria:

The student has mastered the outcomes when he/she can:

- Analyse, evaluate and write critical perspectives on the key theoretical and conceptual approaches from a social science perspective in the complex realities of Older Persons' health in the SA context (NCDs), HIV/AIDS: Infected and affected older persons, psycho-social aspects of ageing, mortality, morbidity and the aging process, family, institionalised and community care, care on primary, secondary and tertiary health care level to restore and promote health, prevent illness and include rehabilitation and abuse.

- Analyse and apply specialised problem-solving skills in identifying, conceptualising, designing, and implementing methods of inquiry to address complex and challenging problems within Gerontology with specific reference to the content of bio-medical and social theories.
- Design and implement a strategy for the processing and management of information, to conduct a comprehensive review of leading and current research around Gerontology to produce significant insights in bio-medical and social theories.
- Engage and initiate in academic and educational discourse to report and defend substantial ideas that are the results of research around Gerontology to produce significant insights in bio-medical and social theories.
- Plan, manage and optimise all aspects of research processes within complex and unpredictable contexts in Health Sciences as academic leaders and experts in the field of Gerontology.

Module Code: GRTL816	**Semester 1 and 2**	**NQF-Level: 9**

Title: Quality of life and well-being of older persons

Module outcomes:
On completion of this module, the student should be able to demonstrate:

- Specialist knowledge and understanding of the strengths and contributions of older persons to deal with complex realities; and
- Skills to promote positive ageing ethically.
- The ability to conduct independent inquiries in the field of Gerontology with relation to quality of life and well-being of older persons and to report their findings in academically appropriate ways.
- An ability to design and implement a strategy for the processing and management of information, to conduct a comprehensive review of leading and current research around Gerontology to produce significant insights in the quality of life and well-being of older persons.
- The potential to act as academic leaders and experts in the field of Gerontology.
- High levels of responsibility, self-reflexivity, and adaptability, with respect to the ethical implications of research, the determination of socially relevant l issues and research needs in South Africa.

Mode of delivery: Full-time / Part-time. Contact.

Assessment methods:
Discussions and assigned tasks / projects. The student will be required to write 2 essays of not more than 2500 words for both, to be assessed.

Assessment criteria:
The student has mastered the outcomes when he/she can:

- Analyse, evaluate, and write critical perspectives on the key theoretical and conceptual approaches on a social science perspective in the complex realities of using positive ageing theories regarding the following: personal well-being of older persons; relational well-being of older persons; and positive (enabling) environments.
- Analyse and apply specialised problem-solving skills in identifying, conceptualising, designing, and implementing methods of inquiry to address complex and challenging problems within Gerontology with specific reference to the content of the quality of life and well-being of older persons.
- Design and implement a strategy for the processing and management of information, to conduct a comprehensive review of leading and current research in Gerontology to produce significant insights.
- Engage and initiate in academic and educational discourse to report and defend substantial ideas that are the results of research around Gerontology to produce significant insights in the quality of life and well-being of older persons.
- Plan, manage and optimise all aspects of research processes within complex and unpredictable contexts in Health Sciences as academic leaders and experts in the field of Gerontology.

Module Code: GRTL817	**Semester 1 and 2**	**NQF-Level: 9**

Title: Gerontological interventions

Module outcomes:
On completion of this module, the student should be able to:

- Demonstrate specialist knowledge and understanding of the current and emerging needs of individuals and communities that are related to the ageing process from a biomedical and social sciences' perspective in terms of cross-cutting issues such as poverty, intergenerational relations, and gender; draw valid, reliable, and relevant conclusions from a need or an asset-based approach; and

- Develop appropriate micro-, meso- or macro-level interventions in an ethical way and with sensitive responsibility.
- The ability to conduct independent inquiry in the field of Gerontology and to report their findings in academically appropriate ways.
- 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 area of Gerontology to produce significant insights in gerontological interventions.
- The potential to act as academic leaders and experts in the field of Gerontology.
- 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: Full-time / Part-time. Contact.

Assessment methods:
Discussions and assigned tasks / projects. The student will be required to write 2 essays of not more than 3000 words for both, to be assessed

Assessment criteria:
The student has mastered the outcomes when he/she can:

- Analyse, evaluate and write critical perspectives on the key theoretical and conceptual approaches on the needs/assets of older persons from a bio-medical and social sciences' perspective; discuss findings regarding communities that are dealing with older persons from a bio-medical and social sciences' perspective; and develop intervention programmes on a micro-, meso- or macro-level that demonstrate ethical and responsible awareness on contexts of poverty, intergenerational relationships, gender and vulnerability.
- Analyse and apply specialised problem-solving skills in identifying, conceptualising, designing, and implementing methods of inquiry to address complex and challenging problems within Gerontology with specific reference to the gerontological interventions.
- Design and implement a strategy for the processing and management of information, to conduct a comprehensive review of leading and current research in gerontological interventions to produce significant insights.
- Engage and initiate in academic and educational discourse to report and defend substantial ideas that are the results of research around Gerontology to produce significant insights in gerontological interventions on micro-, meso and macro level.
- Plan, manage and optimise all aspects of research processes within complex and unpredictable contexts in Health Sciences as academic leaders and experts in the field of Gerontology.

Module Code: HPED871	**Semester 1 and 2**	**NQF-Level: 9**

Title: Dissertation

Module outcomes:
After completion of this qualification the student should have:

- specialist knowledge and critical understanding of the field of health science education appropriate to specific health professions within the higher education environment.
- command of and the ability to select and execute appropriate and ethical research methodologies, including the design, methods, data analysis, and report writing for health science education research.
- an ability to use the resources of academic and professional discourses to communicate and defend substantial ideas that are the products of research in an area of health education in higher education context; and use a range of advanced and specialized skills to communicate findings and ideas to a range of appropriate audiences; and
- an ability to operate independently and take responsibility for own work in higher education research context, thereby demonstrating the ability for effective resource management

Mode of delivery: Full-time / Part-time - contact

Assessment methods:
Submission of a research dissertation (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules. The final mark of the degree is based on the average of all marks allocated by examiners for the dissertation. A minimum pass mark of 50% from all examiners will be required.

Assessment criteria:
The student has mastered the outcomes when he/she can:

- Conceptualise, design, and execute a comprehensive research project in the field of health professions education in the Higher Education context under the guidance of a study leader.
- professionally communicate the research process and research findings through a dissertation, colloquiums, and publications.
- debate and defend research findings with other health profession education researchers.

Module code: MBWM871	Semester 1 and 2	NQF-Level: 9

Title: Dissertation

Module outcomes:

After completion of the Human Movement Sciences qualification, the student should demonstrate:

- advanced/progressive/innovative and integrated knowledge and specialized understanding regarding 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 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: Full-time / Part-time - contact. This program is 100% research with no course work

Assessment methods:

Submission of a research dissertation (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules. The final mark of the degree is based on the average of all marks allocated by examiners for the dissertation. A minimum pass mark of 50% will be required.

Assessment criteria:

Students have mastered the outcomes if they are able to:

- 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 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 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: MSWR871	**Semester 1 and 2**	**NQF-Level: 9**

Title: Dissertation

Module outcomes:

After completion of the module the student should be able to demonstrate:

- 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.
- 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:

Submission of a research dissertation (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules. The final mark of the degree is based on the average of all marks allocated by examiners for the dissertation. A minimum pass mark of 50% will be required.

Assessment criteria

Candidates have mastered the outcomes if they are able to:

- 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 specific 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, 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 regarding 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: MWKC873	**Semester 1 and 2**	**NQF-Level: 9**

Title: Research Theory and Mini-dissertation

Module outcomes:

On completion of the module, the candidates should be able to demonstrate:

- Depth of critical knowledge and acceptable levels of theoretical understanding in a complex and specialised field in Social Work and an ability to identify areas for expanding or redefining existing knowledge in the target area.
- Intellectual competence and advanced research skills through the ability to apply basic knowledge and research methodologies to the solution of identified, unfamiliar practice problems in the areas of specialisation in Social Work and the competence to apply theoretical knowledge and research findings within the area of specific local and global contexts.
- The ability to question and contrast existing knowledge boundaries and practices related to a specialised field in Social Work.
- The ability to deal with complexity, lacunae, and contradictions in the knowledge base of a specialised field in Social Work.
- Well- informed, defendable judgements about information and concepts at moderate abstract levels and make evaluations based on jointly formulated, area-specific criteria.
- Mastery of the literature and state of research in a specialised area in Social Work.
- The ability to optimise all aspects of research processes and methods within the specialised area of Social Work, within moderately complex and less predictable contexts.
- High levels of responsibility, critical integration, and adaptability in considering and applying the ethical implications of research, as well as the conversion of socially relevant issues and research needs in South Africa into feasible research projects, and the ability to relate these issues to a specialised field in Social Work.

Mode of delivery: Full-time / 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. Finally, submission of a research mini-dissertation (in partial compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules. The final mark of the degree is based on the average of all marks allocated by examiners for the mini-dissertation and the average of all module marks (50:50 ratio). A pass mark of 50% will be required.

Assessment criteria:

Candidates have mastered the outcomes if they are able to:

- Generate and display critical knowledge and acceptable levels of theoretical understanding in a complex and specialised area within the field of Social Work and able to identify areas for expanding

that body of knowledge, thus make a supplementary contribution to the knowledge society in Social Work.

- Apply and develop intellectual competence and advanced research skills, basic knowledge, and research methodologies to the solution of identified, unfamiliar practice related problems around a specialised field in Social Work.
- Develop competence to apply theoretical knowledge and research findings in local and global contexts within the area of specialization.
- Synthesize, evaluate, and question existing knowledge boundaries and practices around a specialised 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 a specialised field in Social Work.
- Generate, synthesize, and evaluate information and concepts at moderate abstract levels and make sound evaluations based on jointly generated area specific criteria.
- Show mastery of the literature by producing original insights into newly acquired knowledge areas and complex ideas, information, and issues in a specialised field in Social Work.
- Plan, resource, manage and optimise all aspects of small-scale research processes within moderately complex and less predictable contexts of a specialised field in Social Work.
- Apply high levels of responsibility, critical integration, and adaptability in own management of learning.
- Analyse and evaluate ethical implications of research on socially relevant issues and research needs in South Africa within a specialised field in Social Work.
- Convert these issues into feasible research projects, relevant to the area of specialization in Social Work

Module code: MWKC876	**Semester 2**	**NQF-Level: 9**

Title: Adoption as a Specialization

Module outcomes:

On completion of the module, the candidates should be able to demonstrate:

- Specialist and integrated knowledge to engage and critique educational research and practices within the field of Adoption services and /or to contribute to disciplined thinking about execute adoption within the appropriate legislative mandate relevant to adoption.
- The ability to 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.
- The ability to evaluate current processes of knowledge production in the field of adoption and to choose appropriate processes of inquiry around specialisation.
- The ability to conduct a comprehensive review of leading and current research in field of adoption to produce insights that will address complex problems within the field of adoption services.
- Under supervision, an ability to select and effectively apply a wide range of specialised skills as a social worker to identifying, conceptualising, and implementing appropriate methods of inquiry to plan and implement adoption services.
- The ability to critically contribute to the development of ethical standards within adoption services.
- The ability to define and sustain professional development within the field/practice of adoption by means of ethical standards in the context of the protection of children.
- The ability to conduct independent inquiry in a specialised field of adoption, and to report their findings in academically appropriate ways.
- The potential to act as academic leaders and experts in the field of adoption.
- 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: Full-time / Part-time – Contact.

Assessment methods:

Continues assessment will take place. Written assignments, group presentations, individual presentations and a presentation of a practical assessment will be submitted. A student needs a total of 50% to pass the module.

Assessment criteria:

Candidates have mastered the outcomes if they are able to:

- Understand and discuss developments in the adoption arena and addressing the situation.

- Identify adoption as part of an integrated approach.
- Argue the National Adoption Policy Framework and Strategy as guiding tool for provision and promotion of quality adoption services in South Africa.
- Identify strategies to promote adoption as a placement option in South Africa.
- Discuss the relevant adoption terminology according to the relevant legislation; display specialist knowledge relevant to adoption legislation and regulations; and debate the principle "the best interest of the child".
- 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 Adoption.
- Assess the adoptability of the child.
- Analyse the awareness, recruitment, and screening of prospective adoptive parents.
- Match a child and adoptive parents and prepare them for the adoption process.
- Finalize administratively and legally the adoption process and compile an adoptability assessment report in terms of the relevant Act, on the planning and implementation of adoption services.
- Develop a post adoption programme.
- Plan the care services to the biological family in the adoption process.
- Explain the inter-country adoption process.
- Debate the norms and standards of a good adoption practice.
- 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.
- Design and implement a strategy for the processing and management of information, 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 educational discourse to report and defend substantial ideas that are the results of research in adoption.
- Evaluate the existing adoption services regarding the role of culture in adoption.
- 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: MWKC877	**Semester 2**	**NQF-Level: 9**

Title: Alternative Care Models & Strategies

Module outcomes:

On completion of the module, the candidates should be able to demonstrate:

- Specialist knowledge and critical understanding regarding the different forms of alternative care in South Africa, and an awareness and ability to evaluate the framework of South African childcare legislation and policy.
- The ability to evaluate current processes of knowledge production in the field of alternative care and to choose appropriate processes of inquiry around specialisation.
- The ability to conduct a comprehensive review of leading and current research in alternative care; to select and effectively apply a wide range of specialised skills; to identify and analyse problems and to design and implement appropriate therapeutic intervention strategies for the different forms of alternative care in South Africa and to address an appropriate problem therein.
- The ability to 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.
- The ability to conduct independent inquiry in a specialised field of alternative care and to report findings in academically appropriate ways.
- The ability to communicate innovative professional ideas or findings with understanding of and respect for intellectual property conventions, copyright, and rules on plagiarism.
- The potential to act as academic leaders and experts in the field of alternative care.
- High levels of responsibility, self-reflexivity, and adaptability, with respect to the ethical implications of research and the determination of socially relevant issues and research needs in South Africa.

Mode of delivery: Full-time / Part-time – Contact.

Assessment methods:

Continues assessment will take place. Written assignments, group presentations, individual presentations and a presentation of a practical assessment will be submitted. A student needs a total of 50% to pass the module.

Assessment criteria:

Candidates have mastered the outcomes if they are able to:

- Demonstrate a specialist knowledge to distinguish, explain and critically discuss the different types/models of alternative care regarding foster care and child and youth care centres in South Africa and critically compare the South African perspective to international perspectives.
- Interpret the grounds for a child in need of care and obtain a sound knowledge on the South African legislation pertaining to children in alternative care regarding foster care or child and youth care centres.
- Plan and implement comprehensive intervention strategies for the different forms of alternative care in South Africa in accordance with the relevant legislation and policy procedures, considering the principle of permanence.
- Evaluate the current practice of every form of alternative care against the background of prevailing circumstances and needs in South Africa.
- 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 alternative care in South Africa.
- Interpret the needs and rights of a child according to legislation and the “best interest of the child” principle; critically analyse the implications of trauma on the child’s development; analyse bonding (attachment) problems and discuss the neurobiology as implication for attachment to identify behavioural problems of children with bonding related to emotional problems.
- Develop an individual therapeutic treatment plan for the child in alternative care regarding foster care and child and youth care centres, considering the effect of trauma on the child.
- Compile a complete recruitment process, develop a selection protocol for foster parents, and compile a training programme for foster parents dealing with children in foster care that are experiencing emotional and behavioural problems.
- Set guidelines to strengthen the biological parent-child relationship.
- Be able to work with others in identifying problems and finding and assessing ways of improving the alternative care practice.
- 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.
- Design and implement a strategy for the processing and management of information, to conduct a comprehensive review of leading and current research in an area of specialisation to produce significant insights.
- Develop an accurate, coherent, and appropriate presentation and communication of innovative professional ideas or findings regarding alternative care.
- Plan, manage and optimise all aspects of research processes within complex and unpredictable contexts in alternative care as academic leaders and experts in the field of foster care and child and youth care centres.
- Analyse the social worker’s role regarding the different kinds of systems in the alternative care: the biological parents, the foster parents or child and youth care centre and the child; the relationship between the biological parents and the alternative care placement and the origin interpretation of the child.
- 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.
- Contribute, at a sophisticated level, to debate in a relevant area of alternative care and interact effectively within an academic or professional community.
- Advise and supervise other social workers efficiently on the implementation of alternative care.

Module code: MWKK878	**Semester 1**	**NQF-Level: 9**

Title: Contemporary Child Protection - Practice and Policies

Module outcomes:

On completion of the module, the candidates should be able to demonstrate:

- A critical understanding of and advanced and integrated specialist knowledge with regard to the child protection system in South Africa, to specifically critique the nature and character of the child protection field in South Africa and of contemporary conditions and policies nationally and internationally, addressing appropriate problems therein.
- The ability to evaluate current processes of knowledge production in the field of child protection and to choose appropriate processes of inquiry for child protection.
- The ability to use a range of advanced and specialised skills, policies and legislation appropriate to child protection, to offer innovative ideas to address problems/issues/challenges and discourses in child protection in South Africa, thereby affecting change within the discipline to serve the principle of the best interest of the child.
- The ability to conduct a comprehensive review of leading and current research in the field of child protection to produce insights that will delineate/clarify/demarcate significant problems faced in the field of child protection in South Africa that needs elucidation.
- The ability to 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 to present evidence-based, theory-driven solutions.
- The ability to make autonomous ethical decisions which affect knowledge production/research design/certain practices/ complex organisational or professional issues.
- The ability to critically contribute to the development of ethical standards within child protection.
- The ability to conduct independent inquiry in a specialised field of child protection and to report their findings in academically appropriate ways with understanding of, and respect for, intellectual property conventions, copyright, and rules on plagiarism.
- The ability to make interventions at macro level, based on an understanding of hierarchical relations within the system and the ability to address the intended and unintended consequences of interventions in the field of child protection.
- High levels of responsibility, self-reflexivity, and adaptability with respect to the ethical implications of research, the determination of socially relevant l issues and research needs in South Africa.

Mode of delivery: Full-time / Part-time – Contact.

Assessment methods:
Continues assessment will take place. Written assignments, group presentations, individual presentations and a presentation of a practical assessment will be submitted. A student needs a total of 50% to pass the module.

Assessment criteria:
Candidates have mastered the outcomes if they are able to:

- Display specialist knowledge to evaluate the nature and character of the field of child protection in South Africa and by comparing local and international perspectives.
- Demonstrate familiarity with the policy documents and legislation that give shape to the field of child protection in South Africa.
- Analyse the complexities and dynamics of the field of child protection in South Africa 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, the application of the principle of the best interest of the child and by considering the rights of the child, in each unique situation.
- Analyse the protocol a social worker needs to follow in the South African courts; the way in which the social work investigation must be conducted; and the reporting process based on evidence-based investigations for the different courts in South Africa to serve the principle of the best interest of the child.
- Identify and assess the role of professionals in the field of child protection in South Africa in all proceedings affecting children.
- Evaluate the requirements of an effective child protection system for South Africa.
- Demonstrate a macro perspective in the field of the child protection and apply the community work process at the macro level to bring about change in the field of child protection that will serve the best interest of the child.
- 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.

- Conduct a comprehensive review of leading and current research in an area of specialisation to produce significant insights; design and implement a strategy for the processing and management of information.
- Contribute, at a sophisticated level, to debate in a relevant area of child protection and interact effectively within an academic or professional community.
- 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: MWKK879	**Semester 1 and 2**	**NQF-Level: 9**

Title: Assessment & Intervention of Vulnerable Children

Module outcomes:
On completion of the module, the candidates should be able to demonstrate:

- Specialist knowledge and understanding of the development of a child within the perspective of the ecosystem.
- Advanced and integrated knowledge and critical understanding with regard to the prevalence, nature, scope, causes and consequences of child abuse and neglect, as well as the child in conflict with the law; and select an appropriate process of inquiry to address an appropriate problem therein.
- An ability to design/plan/implement interventions for different vulnerable child groups at an appropriate level within a system, to offer innovative ideas to address problems, thereby affecting change within the discipline.
- An ability to identify the different vulnerable child groups and develop services and intervention plans for these groups.
- An ability to use the resources of academic / professional / occupational discourses to communicate and defend substantial ideas that are the products of research or development in an area of specialisation of children as vulnerable group.
- An ability to make autonomous ethical decisions which affect research design/certain practices/ complex organisational or professional issues.
- An ability to conduct independent inquiry regarding children as a vulnerable group and to report their findings in academically appropriate ways.
- The potential to act as academic leaders and experts in the field of child abuse and neglect in South Africa.

Mode of delivery: Full-time / Part-time – Contact / Distance.

Assessment methods:
Continues assessment will take place. Written assignments, group presentations, individual presentations and a presentation of a practical assessment will be submitted. A student needs a total of 50% to pass the module.

Assessment criteria:
Candidates have mastered the outcomes if they are able to:

- Compile a framework that sets out the developmental tasks of the respective developmental phases of a child that can serve as a model for indicating the challenges that the child might face.
- Analyse and evaluate the mentioned challenges and tasks from the exosystemic perspective.
- Critically evaluate how the respective development phases of a child and the influence of the social system can increase the child's vulnerability.
- Critically evaluate existing South African legislation, policy, and strategies in terms of their utilisation to deal with the problem of child abuse and neglect.
- Contextualise and critically discuss the problem of child abuse, neglect, and the child in conflict with the law in terms of nature, scope, and causes.
- Formulate specific risks in the individual, family and social system that increase the risk of abuse, neglect, and children in conflict with the law.
- Debate reasons for the kinds of vulnerable children in South Africa.
- Propose elements to support children, families and other social systems affected by abuse and neglect in a practice situation.
- Formulate and critically evaluate the nature and components of assessment in the service area of child and family care and apply them in practice.
- Explain, compare, and apply different child assessment models and frameworks to assess different vulnerabilities regarding children.

- Utilise the assessment process to suggest the elements of a practice-directed child assessment model.
- Formulate proposals regarding prevention and early intervention strategies based on the types of vulnerable children.
- Develop practice directed prevention programmes.
- 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.
- 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 educational discourse to report and defend substantial ideas that are the results of research in an area of child abuse and neglect and children in conflict with the law.
- Plan, manage and optimise all aspects of research processes within complex and unpredictable contexts in child protection as academic leaders and experts in the field of child abuse, neglect, and children in conflict with the law.

Module code: MWKF885	**Semester1 and 2**	**NQF-Level: 9**

Title: General Child Assessment

Module outcomes:

On completion of the module, the candidates should be able to demonstrate:

- An ability to evaluate and distinguish between the role of the forensic investigator and the therapist in cases of child sexual abuse.
- An ability to be objective and to investigate multiple hypotheses in the forensic investigation process.
- Competence to analyse and categorise the different cognitive developmental phases and the possible influence certain characteristics of cognitive development may have on the forensic interview and the child's disclosure of information.
- Extensive knowledge and an ability to differentiate an understanding of the language development of the child and demonstrate an advanced scholarship to select and apply appropriate interviews that show sensitivity for the limits in the child's use and understanding of language.
- Competencies to distinguish between normal sexual behaviour versus problematic sexual behaviour.
- Extensive knowledge to argue behavioural indicators of possible sexual abuse and application of advanced and specialised skills to formulate alternative hypotheses that need to be investigated.

Mode of delivery: Full-time / Part-time – Contact / Distance.

Assessment methods:

Continuous assessment will be used with multiple assessment opportunities which have different weights, contributing to the final assessment module mark. Students will be subjected to a range of assessment tasks including written assignments, group presentations, individual presentations, oral assessments, and completion of a practical assessment. Student will be allowed to re-submit their general Assessment of a child, should they proofed to be not competent. Students will need a sub-minimum of 50% to pass the oral assessment and the practical assessment. A student needs a total of 50% to pass the module

Assessment criteria:

Candidates have mastered the outcomes if they are able to:

- Show in-depth knowledge of the field of the forensic investigator and the therapist.
- Have a theoretically sophisticated mastery of the literature in the field of the forensic investigator.
- Show full commitment to the ideas of the forensic investigation process.
- Apply acquired knowledge and skills effectively to investigate multiple hypotheses in the investigating process.
- Access and use a wide range of appropriate sources to acquire information.
- Provide independent critical analyses of data and theories in the field of child development.
- Show in-depth knowledge of the language development of the child.
- Apply acquired knowledge and skills effectively in interviews with children.
- Apply acquired knowledge and skills effectively in role plays.
- Provide independent critical analysis of data and theories in the field of sexual abuse.

- Generate a variety of alternative hypotheses that need to be investigated and demonstrate some intellectual independence and analytical skills in developing systematic arguments.
- Show ability to justify arguments and conclusions with appropriate evidence.
- Demonstrate an ability to engage in the practices of systematic and disciplined thinking.
- Demonstrate competence in the practices of forensic investigation research to satisfy current national and international standards.

Module code: MWKF886	**Semester 1**	**NQF-Level: 9**

Title: Sexual and Physical Abuse

Module outcomes:

On completion of the module the candidates should be able to demonstrate:

- The ability to analyse and compare the different types of sexual abuse and to make interventions at an appropriate level within the system, based on an understanding of the hierarchical relations within the system.
- Extensive knowledge to use a wide range of knowledge and specialised skills in identifying and analysing intra- and extra familial sexual abuse and address it appropriately.
- The ability to investigate the effect of sexual abuse on the child and to address the intended and unintended consequences of the intervention on the child.
- The ability to use a wide range of specialised skills to identify sexual abuse and to deal with the complexity of how children disclose sexual abuse and the relevant factors that may influence a child's disclosure.
- Extensive specialist knowledge of advanced research in the grooming of children in sexual abuse and the impact thereof on the victim.
- Competencies to categorise various syndromes that need to be considered when investigating allegations of sexual abuse.
- Extensive knowledge of the special needs of certain children on how it might influence the forensic interview conclude on the child's ability to disclose information.
- The ability to make autonomous ethical decisions when conducting a forensic assessment that is both ethically and legally sound.
- he ability to debate the validity of the use of psychometric testing in assessing allegations of sexual abuse and address the intended and unintended consequences of the intervention.

Mode of delivery: Full-time / Part-time – Contact.

Assessment methods:

Continuous assessment will be used with multiple assessment opportunities which have different weights, contributing to the final assessment module mark. Students will be subjected to a range of assessment tasks including written assignments, group presentations, individual presentations, and oral assessments. Students will be allowed to be re-assessed on their oral assessment, should they proofed to be not competent. Students will need a sub-minimum of 50% to pass the oral assessment and the practical assessment. A student needs a total of 50% to pass the module.

Assessment criteria:

Candidates have mastered the outcomes if they are able to:

- Be familiar with the different types of sexual abuse.
- Have a theoretically sophisticated mastery of the literature on the different types of sexual abuse.
- Apply acquired knowledge and skills effectively in interventions at an appropriate level.
- Demonstrate extensive knowledge and specialised skills in identifying and analysing intra- and extra familial sexual abuse.
- Deal with the complexity and apply it effectively.
- Investigate the effect of sexual abuse on the child through a variety of specialized skills.
- Show a capacity to address the consequences of the intervention on the child.
- Apply acquired knowledge and skills effectively to identify sexual abuse.
- Debate on how children disclose sexual abuse and the relevant factors that may influence a child's disclosure.
- Have a theoretically sophisticated mastery of the literature in various syndromes that need to be considered when investigating allegations of sexual abuse.
- Generate systematic and rigorous theorizing in the field of the special needs of certain children.
- Justify claims and conclusions with appropriate evidence and arguments.
- Apply acquired knowledge and skills effectively in a forensic assessment that is ethically and legally sound.

- Show in-depth knowledge and apply skills effectively on the impact of grooming on the victim.

Module code: MWKF887	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:

- The ability to provide an evidence-based report to specific courts in the judicial system.
- The ability to use specific resources of forensic investigation and communicate and defend it in court.
- Extensive knowledge of the various options regarding courts and the applicable legislation.
- The ability to operate independently as an expert witness in court and take full responsibility for his or her own work.

Mode of delivery: Full-time / Part-time – Contact.

Assessment methods:

Continuous assessment will be used with multiple assessment opportunities which have different weights, contributing to the final assessment module mark. Students will be subjected to a range of assessment tasks including written assignments, group presentations, individual presentations, and oral assessments. Students will be allowed to be re-assessed on their oral assessment, should they proofed to be not competent. Students will need a sub-minimum of 50% to pass the oral assessment and the practical assessment. A student needs a total of 50% to pass the module.

Assessment criteria:

Candidates have mastered the outcomes if they are able to:

- Compile an evidence-based report for the court.
- Access and use a wide range of appropriate sources to acquire information.
- Apply the knowledge to specific facts.
- Generate a variety of alternative hypothesis to the facts and demonstrate some intellectual independence and analytical skills in developing systematic arguments.
- Communicate the knowledge and facts as an expert to the court.
- Show in-depth knowledge of the justice system in South Africa.
- Apply acquired knowledge effectively in the context of the legislation as an expert in a variety of courts in South Africa.
- Work independently, come to conclusions, and make recommendations to the court.

Module code: MWKF888	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:

- An ability to critically argue which model should be used in the investigation process of alleged sexual abuse and to communicate it to the court.
- Competence to select and apply appropriate routes to follow in forensic investigations and critically compare the different protocols.
- Extensive knowledge of the basic interviewing principles in practice when working with children.
- The ability to select and apply appropriate techniques to help the child recall information regarding the trauma and to execute a full trauma assessment successfully.
- The ability to analyse different components in interviewing the alleged offender and apply appropriate interviewing techniques.
- Competence to apply extensive knowledge of the different criteria discussed in literature that determine the likelihood of a true allegation of sexual abuse in a practice situation.
- The ability to implement and execute an interactional analysis.
- The ability to operate independently and take full responsibility to finalize a forensic investigation by compiling a comprehensive report on the investigation and findings.

Mode of delivery: Full-time / Part-time – Contact.

Assessment methods:

Continuous assessment will be used with multiple assessment opportunities which have different weights, contributing to the final assessment module mark. Students will be subjected to a range of assessment tasks including written assignments, group presentations, individual presentations, oral assessments, and completion of a practical assessment. Student will be allowed to re-submit their forensic assessment of a child, should they proofed to be not competent. Students will need a sub-minimum of 50% to pass the oral assessment and the practical assessment

Assessment criteria:
Candidates have mastered the outcomes if they are able to:

- Identify, interpret, explain, and evaluate the different models in the investigation process.
- Communicate the knowledge to the court.
- Use a wide range of appropriate routes to follow in forensic investigations.
- Show ability to critically compare the different protocols.
- Explain and respond critically to the basic interviewing principles in practice when working with children.
- Show ability to select and apply a variety of techniques to help the child recall information.
- Generate a full trauma assessment.
- Justify between different components when interviewing the alleged offender.
- Apply techniques effectively in the specific context.
- Show in-depth knowledge of the likelihood of a true allegation of sexual abuse.
- Generate an interactional analysis.
- Interpret facts independently.
- Write a report and communicate the facts to the court.

Module code: NUTD811	Semester 1	NQF-Level: 9

Title: Approaches to Nutrition Data Acquisition

Module outcomes:
After completion of module NUTD811, the student will demonstrate:

- integrated knowledge of data collection and analytical techniques and critical understanding and application thereof relevant to Nutrition.
- the ability to select, apply, and critically judge the effectiveness of the implementation of a range of relevant techniques, appropriate to Nutrition data acquisition.
- comprehensive knowledge and understanding of data collection and analytical techniques in Nutrition.
- an ability to operate independently and take full responsibility for own work, and, where appropriate, to initiate and execute processes and implement systems while ensuring efficient resource management, as well as good clinical and laboratory practice.

Mode of delivery: Full-time / Part-time – Contact.

Assessment methods:
Written and practical 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 will prove that he/she has attained the outcomes of the module when he/she can:

- integrate knowledge of data collection and analytical techniques and critically evaluate and apply these skills in Nutrition.
- select, apply, and critically judge the effectiveness of the implementation of a range of relevant techniques appropriate to Nutrition data acquisition.
- have comprehensive knowledge and understanding of the data collection and analytical techniques in Nutrition.
- operate independently and take full responsibility for their own work, and, where appropriate, initiate and execute processes and implement systems while ensuring efficient resource management, as well as good clinical and laboratory practice.

Module code: NUTE875	Semester 1 & 2	NQF-Level: 9

Title: Introduction to Nutrition Epidemiology and Research Methods

Module outcomes:
After completion of module NUTE875, the student will demonstrate:

- advanced and integrated knowledge and critical understanding regarding Nutrition Epidemiology and Research Methods, to specifically enable engagement with and critique of the nutrition literature and research processes,
- under supervision, the ability to design, select and apply appropriate nutrition research methods, data analysis techniques and interpretation skills to address complex nutrition problems,
- the ability to communicate effectively in a variety of formats (oral, written, visual and electronic) for scientific engagement,
- an ability to make autonomous ethical decisions which affect knowledge production, research design and research integrity

Mode of delivery: Full-time / Part-time – Contact.

Assessment methods:
A continuous assessment module mark will be calculated from written assignments (protocol and statistical assignments), class activities and presentations and tests according to the criteria as set out in the module overview document. A student must submit at least 80% of the total assessments for the marks to be calculated. Above and beyond the 80% submission requirement, a mark of 50% is needed to pass the module.

Assessment criteria
The student will prove that he/she has attained the outcomes of the module when he/she can:

- integrate knowledge of nutrition literature, critically evaluate Nutrition Epidemiology and Research Methods, and engage with and critique nutrition literature and research processes,
- under supervision, design, select and apply appropriate nutrition research methods and data analysis techniques to interpret complex nutrition problems,
- communicate effectively in a variety of formats (oral, written, visual and electronic) and scientifically engage with peers and the scientific community,
- make autonomous ethical decisions which affect knowledge production, research design and research integrity.

Module code: NUTG875	Semester 1 & 2	NQF-Level: 9

Title: Personalised Nutrition

Module outcomes:
After completion of module NUTG875, the student will demonstrate:

- integrated knowledge, critical understanding, and application of, and engagement in personalised nutrition topics,
- critical understanding of the complex nature of knowledge transfer from molecular biology principles to personalised nutrition care,
- the ability to select and critically judge a range of relevant diagnostic and screening tools and apply evidence-based solutions to personalise nutrition care and direct-to-consumer testing,
- the ability to identify, critically reflect on and effectively address complex problems related to personalised nutrition and apply evidence-based/practice-driven solutions, and
- the ability to critically judge the ethical and professional conduct of others within the nutrition profession, and to effect change in conduct where necessary.

Mode of delivery: Full-time / Part-time – Contact.

Assessment methods:
Written and practical assignments, forum discussions, case studies, 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 will prove that he/she has attained the outcomes of the module when he/she can:

- integrate knowledge to evaluate, critique and apply to personalise nutrition-related topics,
- accurately access, critically evaluate, design, and communicate a personalised nutrition care plan,
- evaluate, critique, and select relevant methods and procedures to design and communicate a personalised nutrition care plan,
- implement, manage, and design personalised nutrition care following an evidence-based approach, and
- implement, manage, and communicate molecular biology principles relevant to personalised nutrition care ethically and professionally.

Module code: NUTH875	Semester 1 & 2	NQF-Level: 9

Title: Nutrition for the Hospitalised Patient

Module outcomes:
After completion of module NUTH875, the student will demonstrate:

- advanced and integrated knowledge and critical understanding of the pathophysiology and nutritional status of patients with relevant disease conditions to specifically enable engagement with and critique of appropriate nutritional care based on current scientific literature and recommendations,
- the ability to use a range of advanced and specialised nutrition care interventions for hospitalised patients and participate in discourses appropriate to clinical nutrition care to offer innovative ideas to address nutrition-related problems in hospitalised patients,
- an ability to make autonomous ethical decisions regarding the nutrition care of hospitalised patients,
- ability to communicate effectively in a variety of formats (oral, written, visual and electronic) to diverse audiences on nutrition-related issues and care of hospitalised patients, and

- ability to interact and collaborate effectively with others, and to work as part of a multi-disciplinary team.

Mode of delivery: Full-time / Part-time – Contact.

Assessment methods:
Continuous assessment will be used for this module. The module mark is calculated according to the criteria applicable to the continuous assessment portfolio as set out in the module overview document (MOD). This includes assignments, cases studies, presentations.
A student must submit at least 80% of the total assessments for the marks to be calculated. Above and beyond the 80% submission requirement, a mark of 50% is needed to pass the module

Assessment criteria
The student will prove that he/she has attained the outcomes of the module when he/she can:
- critically evaluate the pathophysiology and nutritional status of patients with relevant disease conditions to optimise and critique the appropriate nutritional care of the hospitalised patient,
- develop and apply advanced and specialised nutrition care interventions for hospitalised patients and offer innovative ideas to address nutrition-related problems in hospitalised patients,
- make autonomous ethical decisions in the nutrition care of hospitalised patients,
- communicate effectively in a variety of formats (oral, written, visual and electronic) concerning nutrition-related issues and care of hospitalised patients, and
- effectively interact and collaborate as part of a scientific group or multi-disciplinary team.

Module code: NUTN821	Semester 2	NQF-Level: 9

Title: Nuclear Techniques

Module outcomes:
After completion of module NUTN821, the student will demonstrate:
- integrated knowledge and critical understanding of nuclear techniques and application thereof to Nutrition Research.
- the ability to select, apply, and critically judge the use of nuclear techniques, appropriate to Nutrition Research.
- the ability to apply a range of advanced and specialized nuclear techniques through participating in practical and laboratory training, to address nutrition research problems.
- comprehensive knowledge and understanding of nuclear techniques in Nutrition Research.
- an ability to operate independently and take full responsibility for own work, and, where appropriate, to initiate and execute processes and implement systems while ensuring efficient resource management and good clinical and laboratory practice in nuclear techniques applied to nutrition research.

Mode of delivery: Full-time / Part-time – Contact.

Assessment methods:
A continuous assessment module mark will be calculated from written and practical assignments, class activities and presentations, and tests according to the criteria as set out in the module overview document. A student must submit at least 80% of the total assessments for the marks to be calculated. Above and beyond the 80% submission requirement, a mark of 50% is needed to pass the module.

Assessment criteria
The student will prove that he/she has attained the outcomes of the module when he/she can:
- integrate knowledge and critically evaluate nuclear techniques and its application to Nutrition Research.
- select, apply, and critically judge the use of nuclear techniques appropriate to Nutrition Research.
- apply a range of advanced and specialized nuclear techniques through participating in practical and laboratory training, to address nutrition research problems.
- have comprehensive knowledge and understanding of nuclear techniques in Nutrition Research.
- operate independently and take full responsibility for their own work, and, where appropriate, initiate and execute processes and implement systems while ensuring efficient resource management, as well as good clinical and laboratory practice in nuclear techniques applied to nutrition research.

Module code: NUTN871	Semester 1 and 2	NQF-Level: 9

Title: Dissertation

Module outcomes:
Upon completion of this module the student should:
- 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: Full-time / Part-time – Contact.

Assessment methods:
Submission of a research dissertation (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules. The final result of the degree is based on the average of all marks allocated by examiners for the dissertation. A minimum pass mark of 50% will be required.

Assessment criteria
Students have mastered the outcomes if they are able to:
- 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: NUTN872	Semester 1 & 2	NQF-Level: 9

Title: Mini-dissertation in Nuclear Techniques

Module outcomes:
After completion of module NUTN872, the student will demonstrate:
- Advanced knowledge and critical understanding to identify a relevant research problem within the field of Nuclear Techniques,
- The ability to design and apply appropriate and creative qualitative and/or quantitative nutrition research methods, under supervision, to solve complex practical/theoretical therapeutic nutrition problems,
- Ability to communicate effectively in a variety of formats (oral, written) to diverse audiences and for various purposes, specifically research result dissemination,
- An ability to make autonomous ethical decisions which affect knowledge production, research design and research integrity.

Mode of delivery: Full-time / Part-time – Contact.

Assessment methods:
Submission of a research mini-dissertation (in partial compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules. The final result of the degree is based on the average of all marks allocated by examiners for the mini-dissertation and the average of all lectured module marks (50:50 ratio). A minimum pass mark of 50% will be required.

- Assessment criteria
- The student will prove that he/she has attained the outcomes of the module when he/she can:
- Identify a relevant research problem within the field of Nuclear Techniques by applying advanced knowledge and critical understanding to develop a research proposal,
- Demonstrate that they have applied the appropriate nutrition research methodology to address the selected therapeutic nutrition problem,

- Produce a written research report in the form of a mini-dissertation (in chapter or article format), and give oral presentations (concept, protocol and final results presentation) on the selected research topic;
- Make autonomous ethical decisions which affect knowledge production, research design and research integrity.

Module code: NUTP811	Semester 1	NQF-Level: 9

Title: Introduction to Public Health Nutrition

Module outcomes:
After completion of module NUTP811, the student will demonstrate:

- Advanced and integrated knowledge and critical understanding with regard to public health nutrition, to specifically enable engagement with and critique of food systems, policies, interventions and programmes,
- An ability to use the resources of academic discourses to communicate and defend substantial ideas that are the products of knowledge production or development in an area of public health nutrition,
- under supervision, the ability to identify, and implement measuring methods to address complex and challenging problems within public health nutrition,
- An ability to use the resources of academic discourses to communicate and critique substantial ideas based on ethical arguments.

Mode of delivery: Full-time/ Part-time - contact.

Assessment methods:
A continuous assessment module mark will be calculated from written assignments, class activities and presentations, tests, and oral assignments according to the criteria as set out in the module overview document. A student must submit all assessments for the marks to be calculated. A subminimum of 40% will be required for some assignments as set out in the module overview document, and a mark of 50% is needed to pass the module.

Assessment criteria
The student will prove that he/she has attained the outcomes of the module when he/she can:

- apply advanced and integrated knowledge and critical understanding with regard to public health nutrition, to specifically enable engagement with and critique of food systems, policies, interventions and programmes.
- communicate and defend substantial ideas that are the products of knowledge production or development in an area of public health nutrition by applying the resources of academic discourses.
- Under supervision, identify, and implement measuring methods to address complex and challenging problems within public health nutrition.
- communicate and critique substantial ideas based on ethical arguments by applying the resources of academic discourses.

Module code: NUTP822	Semester 2	NQF-Level: 9

Title: Applied Public Health Nutrition

Module outcomes:
After completion of module NUTP822, the student will demonstrate:

- Under supervision, an ability to select and effectively apply a wide range of specialized skills related to the public health nutrition cycle in order to solve a specific public health nutrition problem,
- An ability to design public health nutrition 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.

Mode of delivery: Full-time / Part-time – Contact.

Assessment methods:
A continuous assessment module mark will be calculated from written assignments, class activities and presentations, tests, and oral assignments according to the criteria as set out in the module overview document. A student must submit all assessments for the marks to be calculated. A subminimum of 40% will be required for some assignments as set out in the module overview document, and a mark of 50% is needed to pass the module.

Assessment criteria
The student will prove that he/she has attained the outcomes of the module when he/she can:

- Under supervision, select and effectively apply a wide range of specialized skills related to the public health nutrition cycle in order to solve a specific public health nutrition problem,
- Design public health nutrition 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.

Module code: NUTP872	Semester 1 & 2	NQF-Level: 9
Title: Mini-dissertation in Public Health Nutrition		
Module outcomes: After completion of module NUTP872, the student will demonstrate: • Advanced knowledge and critical understanding to identify a relevant research problem within the field of Public Health Nutrition, • The ability to design and apply appropriate and creative qualitative and/or quantitative nutrition research methods, under supervision, to solve complex practical/theoretical therapeutic nutrition problems, • Ability to communicate effectively in a variety of formats (oral, written) to diverse audiences and for various purposes, specifically research result dissemination, • An ability to make autonomous ethical decisions which affect knowledge production, research design and research integrity.		
Mode of delivery: Full-time / Part-time – Contact.		
Assessment methods: Submission of a research mini-dissertation (in partial compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules. The final result of the degree is based on the average of all marks allocated by examiners for the mini-dissertation and the average of all lectured module marks (50:50 ratio). A minimum pass mark of 50% will be required.		
Assessment criteria The student will prove that he/she has attained the outcomes of the module when he/she can: • Identify a relevant research problem within the field of Public Health Nutrition by applying advanced knowledge and critical understanding to develop a research proposal, • Demonstrate that they have applied the appropriate nutrition research methodology to address the selected therapeutic nutrition problem, • Produce a written research report in the form of a mini-dissertation (in chapter or article format), and give oral presentations (concept, protocol and final results presentation) on the selected research topic. • Make autonomous ethical decisions which affect knowledge production, research design and research integrity.		
Module code: NUTS872	**Semester 1 and 2**	**NQF-Level: 9**
Title: Mini-dissertation in Nutrition Science		
Module outcomes: After completion of module NUTS872, the student will demonstrate: • Advanced knowledge and critical understanding to identify a relevant research problem within the field of Nutrition Sciences, • The ability to design and apply appropriate and creative qualitative and/or quantitative nutrition research methods, under supervision, to solve complex practical/theoretical therapeutic nutrition problems, • Ability to communicate effectively in a variety of formats (oral, written) to diverse audiences and for various purposes, specifically research result dissemination, • An ability to make autonomous ethical decisions which affect knowledge production, research design and research integrity.		
Mode of delivery: Full-time / Part-time – Contact.		
Assessment methods: Submission of a research mini-dissertation (in partial compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules. The final result of the degree is based on the average of all marks allocated by examiners for the mini-dissertation and the average of all lectured module marks (50:50 ratio). A minimum pass mark of 50% will be required.		

Assessment criteria
The student will prove that he/she has attained the outcomes of the module when he/she can:

- Identify a relevant research problem within the field of Nutrition Sciences by applying advanced knowledge and critical understanding to develop a research proposal,
- Demonstrate that they have applied the appropriate nutrition research methodology to address the selected therapeutic nutrition problem,
- Produce a written research report in the form of a mini-dissertation (in chapter or article format), and give oral presentations (concept, protocol and final results presentation) on the selected research topic.
- Make autonomous ethical decisions which affect knowledge production, research design and research integrity.

Module code: NUTS875	**Semester 1 and 2**	**NQF-Level: 9**

Title: Sport Nutrition

Module outcomes:
After completion of module NUTS875, the student will demonstrate:

- advanced knowledge and critical 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.
- an ability to apply a range of advanced and specialised skills to collect 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 and prescribe a diet for optimal health and exercise performance.
- the ability to select and apply appropriate scientific methods to communicate and defend substantial ideas and address complex and challenging problems within the field of sport nutrition.
- an ethically and professionally sound approach to the management and implementation of sport nutrition services to athletes and their coaches.

Mode of delivery: Full-time / Part-time – Contact.

Assessment methods:
A continuous assessment module mark will be calculated from written assignments (reports, case studies, literature reviews), class activities and presentations, tests, and an oral examination according to the criteria as set out in the module overview document. A student must submit at least 80% of the total assessments for the marks to be calculated. Above and beyond the 80% submission requirement, a mark of 50% is needed to pass the module.

Assessment criteria
The student will prove that he/she has attained the outcomes of the module when he/she can:

- optimise the dietary and supplement intake of recreational-to-elite level athletes participating in different sporting codes by means of dietary prescription, dietary guidelines and practical advice aimed to meet the recommended requirements for their specific sport, body composition goals, optimal health and performance.
- accurately assess the nutritional status, determine the specific nutritional requirements, and prescribe an optimal diet for recreational-to-elite level athletes participating in different sporting codes.
- scientifically research a sport nutrition-related 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: NUTT872	**Semester 1 & 2**	**NQF-Level: 9**

Title: Mini-dissertation in Therapeutic Nutrition

Module outcomes:
After completion of module NUTT872, the student will demonstrate:

- Advanced knowledge and critical understanding to identify a relevant research problem within the field of Therapeutic Nutrition,
- The ability to design and apply appropriate and creative qualitative and/or quantitative nutrition research methods, under supervision, to solve complex practical/theoretical therapeutic nutrition problems,
- Ability to communicate effectively in a variety of formats (oral, written) to diverse audiences and for various purposes, specifically research result dissemination,
- An ability to make autonomous ethical decisions which affect knowledge production, research design and research integrity.

Mode of delivery: Full-time / Part-time – Contact.

Assessment methods:
Submission of a research mini-dissertation (in partial compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules. The final result of the degree is based on the average of all marks allocated by examiners for the mini-dissertation and the average of all lectured module marks (50:50 ratio). A minimum pass mark of 50% will be required.

Assessment criteria
The student will prove that he/she has attained the outcomes of the module when he/she can:

- Identify a relevant research problem within the field of Therapeutic Nutrition by applying advanced knowledge and critical understanding to develop a research proposal,
- Demonstrate that they have applied the appropriate nutrition research methodology to address the selected therapeutic nutrition problem,
- Produce a written research report in the form of a mini-dissertation (in chapter or article format), and give oral presentations (concept, protocol, and final results presentation) on the selected research topic.
- Make autonomous ethical decisions which affect knowledge production, research design and research integrity.

Module code: PHPP811	**Semester 1**	**NQF-Level: 9**

Title: Research methodology, biostatistics, and evidence-based practice for health professionals

Module outcomes:
On completion of the module, the student should be able to demonstrate the following:

- Specialist knowledge in health science research with special reference to clinical and pharmacy practice research.
- Awareness of the different phases of the research process and the different steps that normally occur under each phase.
- Advanced knowledge, experience, and competency to identify a research problem in health science research with special reference to clinical and pharmacy practice research.
- An ability to identify and describe the different types of study designs including the strengths and limitations of the various research designs.
- An ability to develop a research proposal that meets the ethics requirements.
- An ability to apply basic qualitative, quantitative, and mixed methods 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.
- An awareness of the different types of data, basic concepts and methods of quantitative data analysis and the interpretation of statistical results in pharmacy and clinical practice research.
- An ability to identify the appropriate graphical and statistical methods to use for summarisation, description, estimation, and hypothesis-testing of a given dataset.
- Competencies to present the results of statistical analyses in an appropriate format suitable for submission for publication.
- An ability to interpret the results of statistical analyses that are published in the scientific literature.
- Competency to critically appraise published research papers and projects, being aware of problems of design, analysis, and interpretation.
- An understanding of the ethical considerations in the conduct of clinical and pharmacy practice research.
- An ability to develop a communication strategy to disseminate and defend his/her research proposal and results to any audience.
- An ability to operate independently and take full responsibility for his/her own research project.

Mode of delivery: Full-time / Part-time - contact.

Assessment methods:
Evaluation methods include independent assignments and a final examination at the end of the semester. All assignments are compulsory for obtaining proof of participation. Criteria for admission to the examination are a 50% participation mark. To successfully complete the course, you must obtain a module (final) mark of 50%. A subminimum of 50% for the final examination is required.

Assessment Criteria:
Students have mastered the outcomes if they are able to:

- Integrate specialist knowledge in health science research with special reference to clinical and pharmacy practice research.

- Point out the different phases of the research process and the different steps that normally occur under each phase.
- Identify a research problem in health science research with special reference to clinical and pharmacy practice research.
- Evaluate the different types of study designs commonly used according to strengths and limitations.
- Develop a research proposal that meets the ethics and scientific requirements of health sciences.
- Apply basic qualitative, quantitative, and mixed methods research concepts, methods, and processes via the formulation of a research question, and compile a research proposal in the prescribed format, while addressing requirements for good ethical practice.
- Examine and criticize the different types of data, basic concepts and methods of quantitative data analysis and the interpretation of statistical results in pharmacy and clinical practice research.
- Select the appropriate graphical and statistical methods to use for summarisation, description, estimation, and hypothesis-testing of a given dataset.
- Elucidate and communicate the results and limitations of statistical analysis in non-technical terms.
- Correctly interpret the results of statistical analyses that are published in the scientific literature.
- Critically appraise published research papers and projects.
- Illustrate the ethical considerations in the conduct of clinical and pharmacy practice research.
- Construct and execute a communication strategy to disseminate and defend their research results to any audience, and
- Operate independently and take full responsibility for his/her own research project.

Module code: PHPP812	**Semester 1**	**NQF-Level: 9**

Title: Adverse drug reactions and drug-related problems

Module outcomes:

On completion of the module, the student should be able to demonstrate:

- Specialist knowledge and understanding of the following:
- The epidemiology, susceptibility, classification, mechanisms and management of adverse drug reactions and drug-related problems.
- The pathophysiology and clinical presentation of adverse drug reactions (with drug examples) in major organ systems such as the liver, kidney, heart, lungs, skin, GIT, and brain.
- The ability to evaluate an adverse drug reaction based upon the system involved.
- The ability to explain the common causes of individual variation in adverse drug reactions (i.e., pharmacokinetics, pharmacogenetics, and drug interactions).
- Treatment of some of the adverse drug reactions.
- The ability to identify certain drug-drug and drug-disease interactions.
- The necessary skills and competencies to advise the following special populations regarding adverse drug reactions: pregnant and breast-feeding women, children, and the elderly.
- An understanding of laboratory results and other investigations regarding adverse drug reactions and possible drug interactions and other drug-related problems.
- An ability to interpret basic laboratory results regarding adverse drug reactions and drug-related problems.
- Critically appraise published pharmacoepidemiologic papers and research projects regarding adverse drug reactions, drug interactions and other drug-related problems

Mode of delivery: Full-time / Part-time, contact.

Assessment methods:

Evaluation methods include independent assignments and a final examination at the end of the semester. All assignments are compulsory for obtaining proof of participation. Criteria for admission to the examination are a 50% participation mark. To successfully complete the course, you must obtain a module (final) mark of 50%. A subminimum of 50% for the final examination is required.

Assessment Criteria:

Students have mastered the outcomes if they are able to:

- Apply specialist knowledge of adverse drug reactions and drug-related problems in the practice situation.
- Classify adverse drug reactions in Type A and B hepatitis.
- Evaluate the most important susceptibility factors.
- Explain the Naranjo adverse drug reaction probability scale.

- Complete the adverse drug reaction and product quality problems report from the National Department of Health.
- Identify the most important drug-induced skin reactions with classic drug examples.
- Recognize and evaluate gastro-intestinal related adverse drug reactions with drug examples.
- Understand the pathophysiology of the most important drug-induced hepatic related adverse drug reactions with drug examples.
- Understand the pathophysiology of the most important drug-induced renal adverse drug reactions with some examples.
- Understand the pathophysiology of the most important adverse drug reactions on the cardiovascular system with some drug examples.
- Recognise the most important endocrine and metabolic related adverse drug reactions.
- Describe the respiratory related adverse drug reactions with drug examples.
- Recognise the most important drug related muscle disorders, with appropriate examples.
- Understand and evaluate the most important drug related blood disorders and examples.
- Understand and evaluate adverse drug reactions of the central nervous system with specific examples.
- Identify adverse drug reactions causing sexual dysfunction and infertility with examples.
- Explain what genetic polymorphisms are and their main influence on drug concentrations.
- Recognise the most clinically important polymorphisms.
- Differentiate between pharmacogenetics, pharmacokinetics, and pharmacodynamics.
- Explain the induction and inhibition of liver enzymes.
- Understand and name the most important pharmacokinetic drug-drug/drug-food interactions.
- Understand and name the most important pharmacodynamic drug-drug interactions.
- Give guidelines to renal and hepatic impairment patients.
- Demonstrate pharmacokinetic /pharmacodynamic changes in pregnancy.
- Recommend drug therapy to pregnant and breast-feeding women.
- Demonstrate important pharmacokinetic/pharmacodynamic changes in the elderly.
- Recommend drug therapy to the elderly.
- Demonstrate important pharmacokinetic/pharmacodynamic changes in children.
- Recommend drug therapy to children.
- Describe, analyse, review, and apply normal/reference ranges for commonly used tests.
- Appraise and explain the possible aetiology of, and pathology related to, clinical laboratory results which are outside these ranges.
- Interpret and apply the impact of the aetiology of, or pathology related to, clinical laboratory test results on adverse drug reactions and drug-related problems.

Module code: PHPP813	**Semester 1**	**NQF-Level: 9**

Title: Health system and policy

Module outcomes:
Upon completion of the module, the student should be able to demonstrate:

- Advanced and integrated knowledge and critical understanding regarding:
  - Health systems and the strengthening thereof.
  - Universal health coverage.
  - Legislation for health service delivery and planning.
  - Governance of health system and health organisations. and
  - Strategic management and leadership to ensure an effective and efficient health system.
  - The skills and competencies to recognise population healthcare needs, to do a situation analysis and a priority setting within the context of universal health coverage to develop an appropriate strategic plan for a health system, healthcare facility or a specific programme.
- The ability to manage and lead better so that a team or unit can continuously develop its potential to strengthen the healthcare system.
- The ability to develop, implement, monitor, and evaluate a strategic plan and convert it into an operational plan for a heath care facility or programme.
- The skills and competencies to make ethical decisions regarding the provision of healthcare services to the population.

- The ability to communicate with stakeholders and support key groups within the healthcare system concerning the importance of health system strengthening and service delivery.
- Capability to make interventions at an appropriate level within the healthcare system (institution), based on an understanding of the hierarchical relations within the healthcare system and institutions.
- Professional skills to facilitate stewardship and take accountability in the delivering of healthcare services

Mode of delivery: Full-time / Part-time, contact.

Assessment methods:
Evaluation methods include independent assignments and a final examination at the end of the semester. All assignments are compulsory for obtaining proof of participation. Criteria for admission to the examination are a 50% participation mark. To successfully complete the course, you must obtain a module (final) mark of 50%. A subminimum of 50% for the final examination is required.

Assessment Criteria:
Students have mastered the outcomes if they are able to:

- Explain the different terms related to health systems, the strengthening thereof and healthcare governance.
- Differentiate between the different types of health systems.
- Apply the principles, strategies, and good practice principles of universal health coverage for sustainable development goals.
- Explain why laws and regulations are needed for healthcare planning and service delivery.
- Identify when and what legislation should be used in healthcare planning and service delivery.
- Realise the impediments and constraints to consider in national healthcare planning.
- Identify and describe the health system building blocks.
- Realise the importance of good governance of health systems.
- Conceptualise the model of good health system governance including possible governance shifts.
- Recognise the value of the challenges of governance practices in the public sector, multi-sectoral bodies, and civil society organisations.
- Differentiate between the different dimensions of accountability in health system strengthening.
- Apply the critical elements of health system (organisational) success.
- Identify the differences between the practice of managing and leading and the importance of leading with managing.
- Realise the importance of leadership shifts.
- Realise the importance of planning for managers of healthcare facilities and programmes.
- Understand the processes involved in the monitoring, evaluation and review of health priorities, strategies, and plans.
- Explain what strategic planning entails and the importance to transform priorities into strategic plans.
- Describe how quality can be measured against standards of performance, i.e., structure, process, and outcomes and from which perspectives.
- Describe the different approaches that you may find useful in building and maintaining the quality of services in your organisation.
- Evaluate the advantages and the disadvantages of the provision of vertical or integrate services.
- Identify the key issues of the providing of integrated services,
- Recognise the key issues, approaches, and tools for the scaling up of health services, community-based healthcare services and working with the private healthcare sector.
- Execute a population consultation process to identify healthcare needs, opinions, and expectations.
- Perform a situation analysis of a health sector/health system or health institution.
- Develop priority setting within the context of universal health coverage.
- Manage and lead a team, unit, or organisation to develop their full potential.
- Create a working environment that improve an employee satisfaction.
- Develop an incentive programme to build employee satisfaction and motivation.

- How to use leadership and management practices to tailor services to local needs (at the point of care).
- Develop a strategic plan and convert a strategic plan into an operational plan.
- Implement the steps in developing, monitoring, evaluation and reviewing plans.
- Know how to do a cost estimation in relation to a health policy, strategy, or plan.
- Develop a healthcare budget for healthcare institution or programme.
- Take cognition of the factors that influence equitable access to healthcare services.
- Engage with stakeholders, other health sectors and support key groups within health services.
- Build broad-based relationships with all levels of the government and civic society and with different sectors.
- Facilitate stewardship and take accountability in the delivering of healthcare services.
- Be aware of the challenges of the public health sector and governance structures at central, provincial, district and community level.
- Be aware of the challenges of organising of multi-sectoral bodies and civil society organisations.

Module code: PHPP821	**Semester 2**	**NQF-Level: 9**

Title: Advanced drug utilisation review and pharmacoepidemiology

Module outcomes:
Upon completion of the module, the student should be able to demonstrate:

- Advanced and integrated knowledge of certain epidemiological, pharmacoepidemiological and drug utilisation review research principles, concepts, and techniques to enable engagement with and critique of current research or practices.
- The ability to design and execute appropriate epidemiological research designs in the field of drug utilisation.
- The ability to plan and apply/propose appropriate pharmacoepidemiological research projects in the field of medicine utilisation.
- Skills to identify, collect and analyse appropriate data needed for pharmacoepidemiological and drug utilisation reviews by making use of correct data analysis techniques, while at the same time applying the principles of risk and risk-determining techniques.
- The ability to design, develop and implement different types of indicators to evaluate medicine prescribing quality in different communities and practice settings.
- Skills for critically appraising published reports and compiling drug utilisation reviews and pharmacoepidemiological studies in a prescribed report format.
- The ability to intervene at an appropriate level within the system, based on an understanding of the hierarchical relations within a system. and
- the ability to address the intended and unintended consequences of interventions.

Mode of delivery: Full-time / Part-time - contact

Assessment methods:
Evaluation methods include independent assignments and a final examination at the end of the semester. All assignments are compulsory for obtaining proof of participation. Criteria for admission to the examination are a 50% participation mark. To successfully complete the course, you must obtain a module (final) mark of 50%. A subminimum of 50% for the final examination is required.

Assessment Criteria:
Students have mastered the outcomes if they are able to:

- Recognise the importance of, need for and application of drug utilisation reviews and pharmacoepidemiological studies in different communities and practice settings.
- Illustrate the basic concepts and principles in epidemiology as applied to pharmacoepidemiology.
- Apply epidemiological tools (measures of disease frequency, prevalence, measures of association, quantifying uncertainty, making of inferences, study designs, strategies to control confounding) in drug utilisation reviews and pharmacoepidemiological studies.
- Distinguish between the strengths and weaknesses of the different epidemiological study designs.
- Illustrate advanced epidemiological topics such as bias, sensitivity, confounding and misclassification in studies.
- Recognise the limitations of drug utilisation reviews and pharmacoepidemiological studies.

- Design, develop and implement different types of indicators to evaluate prescribing quality in different communities and practice settings.
- Debate the role of pharmacoepidemiology in rational drug use.
- Plan and apply/propose appropriate epidemiological research designs in the field of medicine consumption.
- Design, and execute drug utilisation and pharmacoepidemiological studies in different practice settings by using different types of data.
- Recognise the ethical issues related to drug utilisation and pharmacoepidemiological studies.
- Critically appraise qualitative and quantitative drug utilisation and pharmacoepidemiological studies, being aware of problems of design.
- Use drug utilisation data and pharmacoepidemiological studies appropriately to evaluate the public health impact of different drugs and diseases.

Module code: PHPP822	**Semester 2**	**NQF-Level: 9**

Title: Pharmacovigilance

Module outcomes:
On completion of the module, the student should be able to demonstrate:

- Advanced and integrated knowledge and critical understanding regarding the principles of pharmacovigilance.
- An ability to understand and evaluate the major national and international regulations and guidelines concerning good pharmacovigilance practice.
- The skills to recognise the requirements of implementation of pharmacovigilance in health care institutions and the pharmaceutical industry including the operational aspects (the function, minimum requirements, documents legally required by regulatory bodies).
- An ability to design, select and apply appropriate and creative methods, techniques, procedures, or technologies to set up a pharmacovigilance centre in a health care institution.
- An ability to use a wide range of pharmacovigilance methods (e.g., passive surveillance, stimulating reporting, active surveillance, comparative operational studies, targeted clinical investigations, descriptive studies).
- The capability to execute pharmacovigilance data analysis by using basic and advanced pharmacoepidemiological and biostatistics techniques.
- An ability to use and report pharmacovigilance data according to the prescribed procedures and guidelines.
- The skills and competencies to make ethical decisions regarding drug safety and pharmacovigilance within the health care system.
- The ability to design a study based on basic pharmacoepidemiological measures, data sources, and workflow to quantify risks, case, and exposure identification.
- The ability to interpret and use information from spontaneous adverse reaction reporting systems (pharmacovigilance data).
- The capability to apply the principles of signal detection on different health care databases.
- Demonstrate how pharmacovigilance can and should be integrated with public health programmes that use medicine.
- An ability to communicate messages concerning the importance of pharmacovigilance and drug safety to a range of audiences with different levels of knowledge or expertise (e.g., health care professionals, the general public and the pharmaceutical industry).
- A capability to make interventions at an appropriate level within the health care system (institution), based on an understanding of the hierarchical relations within the health care institution; and the ability to address the intended and unintended consequences of interventions regarding the resolving of drug e safety problems.
- The necessary skills to facilitate professional and life-long learning in pharmacovigilance and drug safety.
- Demonstrate an ability to operate independently and to take responsibility for the application of risk management in pharmacovigilance and the resolution of drug safety problems.

Mode of delivery: Full-time / Part-time, contact.

Assessment methods:

Evaluation methods include independent assignments and a final examination at the end of the semester. All assignments are compulsory for obtaining proof of participation. Criteria for admission to the examination are a 50% participation mark. To successfully complete the course, you must obtain a module (final) mark of 50%. A subminimum of 50% for the final examination is required.

Assessment Criteria:

Students have mastered the outcomes if they are able to:

- Apply specialist knowledge the principles of pharmacovigilance and the monitoring of drug safety in clinical trials and drug development.
- Identify the aim of pharmacovigilance in the regulation of medicine.
- Integrate background knowledge of pharmacovigilance aspects regarding vaccines, herbals and other complementary medicines, and counterfeit and substandard medicines.
- Recognise the relationship between medicine intake and the occurrence of adverse events (case evaluation – causality assessment): definition of causality assessment, factors to be considered when establishing causality, categories of relationship between medicines and events).
- Identify the different types of adverse drug events.
- Apply the principles of signal detection in national pharmacovigilance centre's database, or another database of adverse events or suspected adverse reactions by reviewing individual reports and events (definition and methods).
- Recognise the importance of the application of risk management in pharmacovigilance.
- Evaluate the major national and international regulations and guidelines concerning good pharmacovigilance practice.
- Recognise the functions and minimum requirements of a functional national pharmacovigilance system as well as the operational aspects of the implementation of pharmacovigilance in health care institutions and the pharmaceutical industry (e.g., staff, useful equipment, continuity, advisory committee, information service, communication, documentation, poison control and drug information centre).
- Recognise the relationship of a national pharmacovigilance centre and other national and international organisations such as the WHO International Drug monitoring centre.
- Set up a pharmacovigilance centre in a health care institution.
- Apply the different pharmacovigilance methods namely passive surveillance, stimulating reporting, active surveillance, comparative operational studies, targeted clinical investigations, and descriptive studies.
- Understand the potential and limitations of post-marketing hypothesis testing studies.
- Perform pharmacovigilance data analysis by using basic pharmacoepidemiological measures and should be familiar with advanced analytical techniques such as confounding, sensitivity analysis, determining of causality, and meta-analysis.
- Report the obtained data regarding medication safety problems according to the prescribed procedures and guidelines.
- Interpreting and use of information from adverse reaction reporting systems (pharmacovigilance data).
- Identify, address, and manage practice-related issues related to drug safety and pharmacovigilance in an ethically justifiable way.
- Design a study based on basic epidemiological measures and data sources to quantify risks identification.
- Apply the principles of signal detection on different health care databases.
- Interpreting and use of information from spontaneous adverse reaction reporting systems (pharmacovigilance data).
- Ensuring quality within the pharmacovigilance process in the health care system.
- Integrate pharmacovigilance within every public health programme that uses medicine to prevent potential tragedies.
- Demonstrate the report-writing process of drug safety problems.
- Identify literature resources to support the reporting of drug safety problems.
- Communicate the messages about the importance of pharmacovigilance and drug safety to health care professionals, the general public via the media, and the pharmaceutical industry.

- Intervene at an appropriate level within the health care system to manage, prevent and resolve drug safety problems.
- Facilitate professional and life-long learning processes concerning pharmacovigilance and drug safety

Module code: PHPP823	**Semester 2**	**NQF-Level: 9**

Title: Pharmaceutical and health economics

Module outcomes:

After successful completion of this module, the student will demonstrate:

- Advanced and integrated knowledge and critical understanding regarding issues surrounding the field of pharmaceutical and health economics.
- The ability to evaluate current processes of knowledge production and to choose an appropriate process of enquiry for pharmaceutical and health economics.
- Under supervision, the ability to identify, conceptualise, design, and implement a quantitative and/or qualitative research project, using appropriate economic analytical techniques in a scientific and ethical manner to address complex and challenging problems within pharmaceutical and health economics.
- The skills and competencies to make autonomous ethical decisions regarding pharmaceutical and health economics.
- The skills for critically reviewing published reports and compiling and communicating a pharmacoeconomic report in an ethically responsible manner using appropriate and creative methods, techniques, processes, or technologies.
- Ability to communicate and defend substantial ideas in the field of pharmaceutical and health economics using a range of advanced and specialized skills and appropriate discourses, to a range of audiences with different levels of knowledge or expertise.
- 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.

Mode of delivery: Full-time / Part-time, contact.

Assessment methods:

Evaluation methods include independent assignments and a final examination at the end of the semester. All assignments are compulsory for obtaining proof of participation. Criteria for admission to the examination are a 50% participation mark. To successfully complete the course, you must obtain a module (final) mark of 50%. A subminimum of 50% for the final examination is required.

Assessment Criteria:

Students have mastered the outcomes if they are able to:

- Integrate specialist knowledge of health and pharmaceutical economic analytical principles and methods and the related policies.
- Identify, investigate, critically analyse, understand, and solve complex real-life and/or hypothetical health and pharmaceutical economic problems regarding the delivery of pharmaceutical services and medicine.
- Identify new, relevant research themes within pharmaceutical and health economics.
- Develop and perform a relevant quantitative and/or qualitative research project in a scientific and ethical manner by using suitable research methods, economic analytical techniques, and procedures applicable to pharmaceutical and health economics research.
- Make independent research- and practice-related ethical decisions regarding pharmaceutical and health economics.
- Conduct a comprehensive review of leading and current research within pharmaceutical and health economics to produce significant insights whilst compiling a pharmacoeconomic report.
- Disseminate and defend research findings in the field of pharmaceutical and health economics verbally and in writing and in a scientific and ethical way to any audience.
- Act as an independent researcher in pharmaceutical and health economics

Module code: PHPP824	**Semester 2**	**NQF-Level: 9**

Title: Governance in pharmaceutical systems

Module outcomes:

After successful completion of this module, the student will demonstrate:

- Specialist and integrated knowledge regarding medicine supply management in both the public and private health sectors.
- An ability to evaluate and critically appraise access to medicines in a country.
- Skills and competency to appraise and apply the essential medicines concept in the selection of medicines for essential medicines lists.
- An ability to analyse and implement the framework and components of pharmaceutical supply systems.
- An ability to implement a quality and risk management programme for effective pharmaceutical supply and use.
- An ability to design tools to monitor and evaluate the supply chain system and provide feedback to relevant stakeholders.
- Competency to utilise a health management information system for decision-making and to improve access to pharmaceuticals.
- An ability to appraise and apply good financial and operational management principles to ensure continuous medicines supply.
- An ability to manage and develop human resources for effective supply of pharmaceuticals.
- The skills and competencies to make ethical decisions regarding the provision of healthcare services to the population.
- An ability to communicate with stakeholders and support key groups within the health system concerning the importance of improved access to medicine and medicine supply management.
- A capability to make interventions at an appropriate level within the health system (institution), based on an understanding of the hierarchical relations within the healthcare system and institutions; and the ability to address medicine supply problems in the community

Mode of delivery: Full-time / Part-time, contact.

Assessment methods:
Evaluation methods include independent assignments and a final examination at the end of the semester. All assignments are compulsory for obtaining proof of participation. Criteria for admission to the examination are a 50% participation mark. To successfully complete the course, you must obtain a module (final) mark of 50%. A subminimum of 50% for the final examination is required.

Assessment Criteria

After completing this module, you should be able to do the following:

- Apply specialist knowledge of medicine supply management including the different approaches to medicine supply in both the public and private healthcare sectors.
- Participate in the development and evaluation of a national medicine policy.
- Illustrate how to develop essential medicine lists, formulary manuals and standard treatment guidelines.
- Evaluate different selection processes for medical supplies and equipment.
- Explain different aspects of medicine procurement.
- Manage the tender process in the practice setting.
- Identify the key principles of good medicine procurement practices.
- Quantify medicine requirements for a program or health care facility.
- Apply the principles of inventory management in the practice situation.
- Implement quality assurance principles during medicine supply.
- Apply the guidelines for donations of medicine.
- Evaluate the different elements of a medicine distribution system.
- Adapt the principles and elements of a good medicine distribution system.
- Critically evaluate the medicine distribution system used in your institution or sector.
- Manage the distribution of medicine at central or regional medicine stores.
- Manage the storage of medicine in a hospital pharmacy.
- Manage the distribution of medicine from a hospital pharmacy to other healthcare facilities and departments.
- Manage small-scale local production and pre-packaging of medicine in a hospital pharmacy.
- Apply the different methods for obtaining effective storage facilities.

- Manage the transport or medicine supply system for medicine in both the public and private health sector.
- Demonstrate an awareness of the importance of financial and related operations management and how to assess your organisation's financial and operations system.
- Apply the basic accounting and financial management principles, data sources and reports.
- An ability to develop a framework for a budget for a healthcare institution or programme.
- An ability to do a cost estimation in relation to health policies, strategies, and plans.
- Appraise the value of the use of timely and accurate information for effective management of medicine supply as well as healthcare system, programmes, and facilities.
- Identify the information that you need to make informed decisions regarding medicine supply and healthcare services.
- Implement the principles of improved health information management and use.
- Recognise the importance of human resource management in health system governance.
- Create a working environment that improve an employee satisfaction.
- Develop an incentive programme to build employee satisfaction and motivation.

Module code: PHPP825	**Semester 2**	**NQF-Level: 9**

Title: Pharmaceutical public healthcare governance

Module outcomes:
After successful completion of this module, the student will demonstrate:

- Advanced and integrated knowledge and critical understanding regarding the history of public health, level of provision, the legal and policy framework, ethics, and economics in public health.
- Specialist knowledge regarding determinants of health on different levels, the practical approaches to cultural issues in public health, and health promotion and disease prevention as the cornerstone of public health.
- Advance knowledge of pharmacy's involvement within public health, health promotion, disease prevention, environmental and occupational health, and behavioural health on local, national, and international level.
- An ability to critically evaluate public health information or data.
- Specialist knowledge regarding epidemiology, the science of public health, which is used to describe health and diseases in populations.
- Skills and competencies to make ethical decisions regarding the provision of public health services.
- An ability to communicate with stakeholders and support key groups within the healthcare system concerning the importance of health system strengthening and service delivery.
- A capability to intervene at an appropriate level within the healthcare system (institution) and community, based on an understanding of the hierarchical relations within the healthcare system and institutions

Mode of delivery: Full-time / Part-time, contact.

Assessment methods:
Evaluation methods include independent assignments and a final examination at the end of the semester. All assignments are compulsory for obtaining proof of participation. Criteria for admission to the examination are a 50% participation mark. To successfully complete the course, you must obtain a module (final) mark of 50%. A subminimum of 50% for the final examination is required.

Assessment Criteria:
After completing this study unit, you should be able to:

- Apply advanced and specialized knowledge regarding the history of public health, level of provision, the legal and policy framework, ethics, and economics in public health.
- Use the framework of the natural history of disease, to compare to the public health approach to the clinical treatment and clinical prevention approaches.
- Contextualise the population and ecological approach to public health.
- Describe the structure of public health at local, state, national and international levels.
- Define the health determinants from an ecological approach.
- Identify health determinants at the level of the individual, the community, the state, or nation and at global level.

- Explain how the interaction of a person with his or her environment can positively or negatively influence affect health.
- Demonstrate cultural competence to establish policies for the provision of services that are respectful and responsive to the needs of the population.
- Appraise the impact of a patient's socioeconomic status on obtaining healthcare services and drug therapy.
- Describe the pharmacist's role as public health practitioner from the perspective of the consumer and from the pharmacist.
- Describe the legal and policy framework of public health.
- Identify ongoing and emerging public health issues related to medication use and pharmacy practice that may require future legislation or regulation.
- Differentiate between the prevention and treatment of an illness or disease.
- Recognise the role of health prevention in public health.
- Describe how the determinants of health are related to health promotion interventions.
- Explain health education, the different types of knowledge provided by health education, models of behaviour change and their relevance to health education and the tools used in practical health education examples.
- Differentiate among individual, community, state, or national level health promotion interventions.
- State the rationale for providing health promotion interventions through community pharmacies.
- Describe the continuum from perfect health to death and circumstances in which disease prevention and health promotion activities may be used.
- Explain the role of cultural, socioeconomic, and demographic factors in health promotion, disease prevention and community health education.
- Recognise the different levels of disease prevention and describe the type of population targeted at each level.
- Identified the goal of interventions for each level of disease prevention and the type (primary, secondary, and tertiary) of intervention to be used at each of these levels: individual, community, and national or international.
- Construct a framework for the involvement of the pharmacist at all three levels of disease prevention.
- Explain the principle and concepts that are used to develop guidelines for environmental and occupational exposure that may be used for counselling communities about public health issues.
- Discuss the importance of pharmacists as a community resource for concerns and questions about environmental and occupational health.
- Understand the impact of mental illness and substance abuse disorders on society.
- Evaluate the pharmacist's role in working with persons with mental illnesses.
- Recognise the characteristics of community health.
- Describe a SOAPE structure for developing a health intervention for a community.
- Scientifically gather demographical, epidemiological and surveillance data and critically evaluate the sources of the data and how to analyse and interpret the data.
- Design and use surveillance tools to collect information on community health.
- Describe the scope and purpose of epidemiology as well as its limitations in public health.
- Understand the concepts of risk and benefits.
- Demonstrate the ability to communicate the benefit and risk and how to access and manage the risks.
- Execute a needs assessment and a prioritisation of needs and services and design interventions to meet those public health needs.
- Choose, calculate, and interpret measures of disease frequency, measures of association and measures of attributable risk for given scenarios.
- Describe and contrast strengths and weaknesses of different epidemiological study designs and apply this knowledge in practice.
- Discuss and critique the design and findings of the epidemiological studies.
- Recognise the different type of biases that may occur in epidemiological studies and describe strategies that can be used to reduce such biases.

- Evaluate whether confounding and/or effect modification may have affected a given exposure-outcome relationship and describe and apply techniques to deal with this at the design and analysis level.
- Evaluate and explain whether provided epidemiological data support an association between exposure and outcome and describe epidemiological methods that would further support the evidence.
- Choose, calculate, and interpret measures that express the contribution of a clinical test to disease detection.
- Apply the principles of public health ethics.
- Engage with stakeholders, other health sectors and support key groups within healthcare services and the community regarding public health issues.
- Build broad-based relationships with all levels of the government and civil societies regarding public health issues.

Module code: PHPP872	**Semester 1 and 2**	**NQF-Level: 9**

Title: Dissertation

Module outcomes:
On completion of the module, the student should be able to demonstrate:

- Comprehensive and specialist knowledge in pharmacy practice to conceptualise advanced research initiatives within drug safety, drug utilisation review, pharmacovigilance, pharmacoepidemiology, pharmaceutical and health economics or pharmaceutical public health.
- An ability to meaningfully contribute to scholarly debates pertaining to theories and processes in the field of drug safety, drug utilisation review, pharmacovigilance, pharmacoepidemiology, pharmaceutical and health economics or pharmaceutical public health.
- Competence to identify research questions and to select and apply an appropriate research design, methods, techniques, and procedures to investigate pharmacy practice related problems in the field of drug safety, drug utilisation review, pharmacovigilance, pharmacoepidemiology, pharmaceutical and health economics and pharmaceutical public health.
- Plan and execute a suitable quantitative and/or qualitative research project in a scientific and ethical manner by making use of appropriate research methods, suitable data-analysis methods, and techniques to address challenging research problems and to find effective solutions for these problems.
- The ability to identify, address and manage practice-related ethical issues through advanced decision-making, monitoring and evaluation processes.
- The ability to produce in-depth and publishable research that meets international standards and makes a significant contribution within the field of drug safety, drug utilisation review, pharmacovigilance, pharmacoepidemiology, pharmaceutical and health economics or pharmaceutical public health.
- An ability to develop and execute a communication strategy to disseminate and defend research findings and their implementation to any audience.
- Intellectual independence, research leadership and management of research and research development in pharmacy practice.
- An ability to operate independently and take full responsibility for his/her work and, where appropriate, to lead, oversee and be held accountable for the overall governance of research processes and systems.

Mode of delivery: Full-time / Part-time, contact.

Assessment methods:
Submission of a research dissertation (in partial compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules. The final mark of the degree is based on the average of all marks allocated by examiners for the mini-dissertation and the average of all module marks (64:36 ratio). A minimum pass mark of 50% will be required.

Assessment Criteria:
Students have mastered the outcomes if they are able to:

- Integrate advanced and critical knowledge in pharmacy practice and demonstrate high levels of theoretical understanding within drug safety, drug utilisation review, pharmacovigilance, pharmacoepidemiology, pharmaceutical and health economics or pharmaceutical public health.

- Make an advanced contribution to the theoretical knowledge and policy debate in the field of drug safety, drug utilisation review, pharmacovigilance, pharmacoepidemiology, pharmaceutical and health economics or pharmaceutical public health.
- Identify new, relevant research questions within the field of drug safety, drug utilisation review, pharmacovigilance, pharmacoepidemiology, pharmaceutical and health economics or pharmaceutical public health.
- Select and apply an appropriate research design, methods, techniques, and procedures to investigate problems in these specialised areas.
- Plan, 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 to address challenging research problems and to find effective solutions for these problems.
- Interpret and integrate research results in a scientifically justifiable way and compile a dissertation that meets international standards.
- Disseminate and defend research findings in writing and verbally in a scientific and ethical way to any audience.
- Act as an independent research leader, i.e., ethically, and responsible, in the pharmacy profession as far as drug safety, drug utilisation review, pharmacovigilance, pharmacoepidemiology, pharmaceutical and health economics or pharmaceutical public health is concerned.
- Have the necessary skills to facilitate professional and life-long learning in these areas.

Module code: PHYS871	**Semester 1 and 2**	**NQF-Level: 9**

Title: Dissertation

Module outcomes:
At the end of the module the student should be able to:

- Depth of 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 expand or redefine existing knowledge in the field of Cardiovascular Physiology.
- Intellectual 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 judgements about information and concepts at highly abstract levels and make evaluations based on 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: Full-time – Contact.

Assessment methods:
Submission of a research dissertation (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules. The final mark of the degree is based on the average of all marks allocated by examiners for the dissertation. A minimum pass mark of 50% will be required.

Assessment criteria
Students have mastered the outcomes if they are able to:

- 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 based on 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: PSYC871	**Semester 1 and 2**	**NQF-Level: 9**

Title: Dissertation

Module outcomes:

On completion of the module, the candidates should be able to demonstrate:

- specialist knowledge and understanding to engage and critique psychosocial research and practices within the field of Psychology and to contribute to disciplined thinking about Psychology matters and issues.
- an ability to evaluate current processes of knowledge production in the field of Psychology and to choose appropriate processes of enquiry 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.
- the ability to conduct independent inquiry in a specialised field of education, training, or development, 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.
- an ability to critically contribute to the development of ethical standards in a specific Psychology context.
- the ability to conduct independent inquiry in a specialised field of Psychology, training, or development, and to report their findings in academically appropriate ways.
- the potential to act as academic leaders and experts in the field of Psychology, 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: Full-time / Part-time – Contact / Distance.

Assessment methods:

Submission of a research dissertation (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules. The final mark of the degree is based on the average of all marks allocated by examiners for the dissertation. A minimum pass mark of 50% will be required.

Assessment criteria:

Candidates have mastered the outcomes if they are able to:

- Display specialist knowledge to enable engagement and critique of current research and practices within the field of Psychology and to engage in systematic and disciplined thinking about psychology matters and issues, with specific 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 Psychology. Apply and develop advanced research skills and research methodologies to the solution of complex, unfamiliar problems in the field of Psychology.
- 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 Psychology with specific reference to their specialisation area.
- Design and implement a strategy for the processing and management of information, 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 Psychology 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 Psychology as academic leaders and experts in the field of education, training, and development.
- 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: PSYC874	**Semester 1and 2**	**NQF-Level: 9**

Title: Critical Research Skills

Module outcomes:

On completion of the module, the candidates should be able to demonstrate:

- Knowledge and understanding of the ontological assumptions about the nature of science and a people view (worldview).
- 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: Full-time / Contact.

Assessment methods:

Written and oral assessments and presentations as well as formal examination. Formative assessment: 50% and summative assessment: 50%.

Assessment criteria:

Candidates have mastered the outcomes if they are able to:

- Formulate their knowledge and understanding of ontological assumptions (worldview) and express them scientifically and personally.
- Conduct research on the grounds of the ethical principles as expressed in the guidelines for psychological research.
- Select and evaluate appropriate research methods that will efficiently investigate/answer particular/relevant research questions.

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:

- An understanding and application of different research methods that are associated with quantitative research.
- Understand and apply quantitative research processes such as: literature studies; sampling; validity and reliability; questionnaire design; experimental designs (SPSS); and data analysis techniques (multiple regression and structural comparison models).
- The ability to implement appropriate ethical decisions within the quantitative research methodological context.

Mode of delivery: Full-time / Contact.

Assessment methods:

Written assignments, oral presentations, and critical discussions. Written and practical examinations. Formative assessment: 50% and summative assessment: 50%.

Assessment criteria:

Candidates have mastered the outcomes if they are able to:

- Demonstrate knowledge and apply different research methods associated with quantitative research.
- Demonstrate knowledge and apply quantitative research processes such as sampling, establishing validity and reliability, doing questionnaire and experimental designs. Candidates must also make use of statistical tools, such as the SPSS programme, to advance their skills.
- Plan and execute research projects (ethically) and demonstrate knowledge of research skills in quantitative research methods by formulating their own research problems, goals or hypotheses and proposing an appropriate research methodology for the research project in question where data are collected and processed.
- Use the SPSS application tool to analyse data and report on findings, write up a report on the data collected (or provided) and draw relevant conclusions.

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:

- An understanding and application of different research designs associated with qualitative research.
- An understanding and application of qualitative research processes such as literature reviews, purposeful sampling, data collection and data analysis methods (such as thematic analysis) as well as trustworthiness.
- The ability to implement appropriate ethical decisions within the qualitative research methodological

context.

Mode of delivery: Full-time / Contact.

Assessment methods:
Written assignments, oral presentations, and critical discussions. Written examination. Formative assessment: 50% and summative assessment: 50%.

Assessment criteria:
Candidates have mastered the outcomes if they are able to:

- Critically evaluate, discuss, and apply research skills learned such as: appropriate literature reviews, sampling, data collection, data analysis and ensuring of research rigor (trustworthiness).
- Plan and execute research projects (ethically) and demonstrate knowledge of research skills in qualitative research methods by formulating own research problems, goals and proposing an applicable research methodology for research projects in question, in which data is collected and processed.

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:

- In-depth theoretical and practical competence in the field of child and adolescent development, psychology, psychopathology, and psycho-diagnostics.
- In-depth theoretical and practical competence in conducting clinical, emotional, or neuropsychological evaluations with children and adolescents.
- In depth 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.
- The ability to identify normal and abnormal child and adolescent development and critically discuss different causes of psychological and neuropsychological disorders and psychological well-being in children and adolescents from various meta-theoretical models.
- The ability to 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.
- The ability to plan and implement appropriate psychological interventions and psycho-educational/parental guidance programmes.

Mode of delivery: Full-time – Contact

Assessment methods:
Written and oral assessments and presentations as well as formal examination. Formative assessment: 50% and summative assessment: 50%

Assessment criteria:
Candidates have mastered the outcomes if they are able to:

- Conduct clinical, emotional, or neuropsychological evaluations with children and adolescents by using intake and diagnostic interviews, obtaining relevant collateral information, applying relevant and culturally sensitive psycho-diagnostic instruments with cognizance of ethical and legislative aspects pertaining to children and adolescents.
- Make and formulate 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 and present their findings during case presentations and oral exams.
- Orally or in writing discuss and argue normal and abnormal child and adolescent development and different causes of psychological and neuropsychological disorders in children and adolescents from various meta-theoretical models.
- Write reports to accurately communicate professional impressions, diagnoses, and conclusions to multi-disciplinary teams and/or lay and other professional persons and make appropriate recommendations for interventions, rehabilitation, or referrals.
- Plan and implement appropriate therapeutic interventions and parental guidance programmes.

Module code: PSYC880	**Semester 1 and 2**	**NQF-Level: 9**

Title: Theory of Psychological Interventions in Clinical Psychology

Module outcomes:

On completion of the module the candidates should be able to demonstrate:

- In-depth theoretical insight and knowledge in a wide variety of psychological and therapeutic theories, short and long-term approaches, and techniques applicable to individuals, groups, families, 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: Full-time – Contact

Assessment methods:
Written and oral assessments and presentations as well as formal examination. Formative assessment: 50% and summative assessment: 50%.

Assessment criteria:
Candidates have mastered the outcomes if they are able to:

- Orally or in writing during case study presentations, oral or written exams and practical work explain, discuss, and defend theoretical approaches and techniques proposed or chosen as applicable for treatment of individuals, groups, families, and 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.

Module code: PSYC883	**Semester 1 and 2**	**NQF-Level: 9**

Title: Ethics, Psychodiagnostics and Practical work

Module outcomes:
On completion of the module, the candidates should be able to demonstrate:

- Theoretical and practical competence in the field of ethical psychological practice in a private practice or clinical setting, as well as professional conduct and legislative issues.
- The 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 team and/or other people.
- The ability to arrange appropriate referrals and competence in case management.
- Theoretical and practical knowledge and skills regarding forensic psychology and accurately document all processes followed.
- The ability to identify business opportunities and act as entrepreneur.
- The ability to learn behaviours which reflects values, attitudes and character traits required of a healthcare professional.
- The ability to focus on the relationship between the three disciplines (professional ethics, human rights, and medical law) and how these impact on the provision of healthcare services to patients and the community at large.
- Appropriate knowledge, attitudes and skills relating to the three disciplines.
- A multi-disciplinary approach towards the training and assessment in a longitudinal fashion over the study years.

Mode of delivery: Full-time – Contact

Assessment methods:
Written and oral assessments and presentations as well as formal examination. Formative assessment: 50% and summative assessment: 50%

Assessment criteria:
Candidates have mastered the outcomes if they are able to:

- Demonstrate advanced knowledge and insight into the ethical and legislative issues involved when working with children, adolescent, adults and older persons in diverse contexts and settings during supervision, case- and field work.
- Plan and perform advanced in-depth psychological assessments, formulate reports, and communicate findings and recommendations to various sources of referral or multidisciplinary teams and/ or other people either orally and/or in writing.
- Arrange appropriate referrals and demonstrate competence in case management during practical work.
- Demonstrate theoretical and practical knowledge and skills regarding forensic psychology and document all processes followed during practical work.
- Identify business opportunities and act as entrepreneur.

Module code: PSYC884	Semester 1 and 2	NQF-Level: 9

Title: Applied Psychology and Community Interventions

Module outcomes:
On completion of the module, the candidates should be able to demonstrate:

- An understanding and application of 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.
- The ability to 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 settings.
- The ability to promote primary and secondary psychological well-being in an integrated, effective, and ethically responsible manner.
- The 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.
- The ability to advise on the development of policy applicable to a variety of sectors, based on various aspects of psychological theory and research.
- The ability to 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: Full-time – Contact

Assessment methods:
Written and oral assessments and presentations as well as formal examination. Formative assessment: 50% and summative assessment: 50%

Assessment criteria:
Candidates have mastered the outcomes if they are able to:

- Apply culturally sensitive psychological interventions to people with psychiatric conditions and serous life challenges and design, manage and evaluate programmes dealing with psychiatric problems in diverse settings during their practical work, write it up in a case study or present it as a power point presentation.
- Demonstrate during oral or practical exams and case study presentations how they have promoted primary and secondary psychological well-being in an integrated, effective, and ethically responsible manner.
- Demonstrate their ability to do basic supportive, preventative, and promotive psychological interventions in an integrated, effective, and ethically responsible manner, as well as the ability to plan and execute in-depth, specialized long-term interventions with patients with serious life challenges and psychopathology by means of their portfolios, case study presentations, in supervision and practical exams.
- Orally, in writing or in practice advise on the development of policy applicable to a variety of sectors, based on various aspects of psychological theory and research.
- Orally or in writing reflect on the personal impact of the learning material and practical experiences on him/her, as well as on the skills acquired as a person and as a future therapist.

Module code: PSYC885	Semester 1 and 2	NQF-Level: 9

Title: Psychopharmacology, Neuropsychology and Advanced Psychopathology in Clinical Psychology

Module outcomes:
On completion of the module, the candidates should be able to demonstrate:

- Theoretical and practical competence in the field of psychopharmacology, adult psychopathology, and neuropsychology to conduct in-depth, culturally sensitive psycho diagnostic procedures and neuro-psychological evaluations with especially 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-IV / DSM-V and ICD-10 classification systems.
- Critical theoretical knowledge, insight, and practical competence in determining different causes of psychological and neuropsychological disorders in adults.
- Theoretical, 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 counselling or other psychologist if the problem is outside the scope of practice of the clinical psychologist.

Mode of delivery: Full-time – Contact

Assessment methods:
Written assignments, class activities, group and individual work and formal examination.

Assessment criteria:
Candidates have mastered the outcomes if they are able to:

- During practical work, video, and case study presentations, as well as written and oral exams, conduct ethical and culturally sensitive psychodiagnostics interviews and procedures and neuro-psychological evaluations.
- Make and formulate 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.
- Orally or in writing accurately 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.
- Participate in scientifically based arguments during oral and written examinations and case study presentations about the different causes of developmental delays and psychological and neuropsychological disorders in children, adults, and psychopharmacology, including classification and functioning of the nervous system, brain anatomy and physiology, neurotransmission; and the use of psychotropic medication for various clinical conditions.

Module code: PSYC886	**Semester 1 and 2**	**NQF-Level: 9**

Title: Project Management

Module outcomes:

After completion of the module, the student will demonstrate that he/she:

- Has the knowledge and understanding of project management theory.
- Can utilise specialised skills to identify, conceptualise, design, and implement methods to address challenges within project management.
- Ability to master and evaluate all facets of project management and thus promote independent enquiry about project management and associated research processes.
- Demonstrates the ability to make autonomous ethical decisions regarding professional practice relating to project management and be able to critically contribute to the ethical standards of project management.
- Understands and interprets project management and its role in the scientific field of Psychology as a registration category, with specific reference to internship requirements by the HPCSA.

Mode of delivery: Full-time / Contact

Assessment methods:
Written assignments, oral presentations, and critical discussions. Written and oral examination. Formative assessment: 50% and summative assessment: 50%.

Assessment criteria:
After completion of module, the student will proof that he/she has attained the outcomes of the module when he/she can:

- Critically and successfully discuss, explain, and refute (in written or oral presentation format) statements, scenarios, issues, and questions related to the importance of project management theory and the evolvement thereof in social science practices.
- Critically and successfully discuss, explain, and refute (in writing or orally) statements, scenarios, challenges, and questions related to research problems, project management proposal writing and application of funding.
- Develop an independent proposal for a project and presentation thereof to a panel for funding purposes.
- Critically synthesise and apply ethical considerations to the independent proposal that needs to be developed as part of a presentation to a panel of experts.
- Show competency in execution of a project by aligning it with internship requirements by the HPCSA

and indicating the unique contribution of a research psychologist in project management in South Africa.

Module code: PSYC887	Semester 1 and 2	NQF-Level: 9

Title: Psychometrics and Applied Psychological Assessment

Module outcomes:

After completion of module, the student will demonstrate:

- An integrated understanding of psychometric and psychological assessment and its position in psychology as an empirical science, especially from an AFRI-centric approach
- A critical understanding and application of processes relevant to psychological assessment, whether individual or in assessment centres, that aim at gaining a holistic view of the client, especially in the South African context.
- 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, considering the international standards for test assessment.
- The ability to develop a psychological test with ample focus on psychological measurement as a science that pertains to metrics for qualitative assessment of human behaviour using the theories (classical test theory versus response theory) and principles of psychology.
- Critical assessment skills in terms of cross-cultural adaptation, translation, and management of test batteries and the ability to statistically determine and interpret results, determining the validation in the South African context and compile a report, focusing on bias and fairness.
- Critical thinking and understanding of ethical considerations in psychological assessment (intellectual and scholastic capabilities, aptitudes and interests, personality, and interpersonal functioning) within different cultural and social environments with ample focus on scope of practice and the South African context.
- The ability to apply advanced knowledge of the central methods of psychological evaluation.
- Synthesis of psychometrics and psychological evaluation as a research psychologist.

Mode of delivery: Full-time / Contact

Assessment methods:
Written assignments, oral presentations, and critical discussions. Written examination. Formative assessment: 50% and summative assessment: 50%.

Assessment criteria:
The student will prove that he/she has attained the outcomes of the module when he/she can:

- Critically and successfully discuss, explain, and refute (in writing or orally) statements, scenarios, issues, and questions related to the importance of psychometrics and psychological assessment as part of an empirical science, especially from an AFRI-centric approach.
- Critically and successfully discuss, explain, and refute (in writing or orally) statements, scenarios, issues, and questions related to processes within psychological assessment aiming at a holistic view within a South African context.
- Critically and successfully evaluate (in writing or orally) different tests and test batteries, also considering international standards.
- Show the competency to develop a psychological test, by critically integrate (in writing or orally) relevant theories with psychological measurement as a science.
- Critically and successfully discuss, explain, and refute (in writing or orally) cross cultural adaptation, translation, and management of test batteries and show the ability to statistically determine and interpret results, determining the validation in the South African context and compile a report, focusing on bias and fairness.
- Critically and successfully discuss, explain, and refute (in writing or orally) the ethical aspects that need to be considered by a research psychologist regarding psychometrics and psychological assessment within different cultural and social environments within South Africa
- Critically and successfully discuss, explain, and refute (in writing or orally) statements, scenarios, issues, and questions related to the central methods of psychological evaluation.
- Critically discuss, explain, and refute (in writing or orally) his/her place as research psychologist within the areas of psychometrics and psychological assessment.

Module code: PSYC888	Semester 1 and 2	NQF-Level: 9

Title: Community Psychology

Module outcomes:

After completion of module, the student will demonstrate:

- The ability to explain the need for community-based research in the South African context.
- The knowledge and understanding of community psychology theory and research methodology.
- The ability to plan, conduct, manage and evaluate community research that is relevant to the needs of the population within the South African context.
- the ability to conduct community focused research on the grounds of the ethical principles as expressed in the guidelines for psychological research.
- An understanding of applicable ethical principles in planning and executing community research
- Professional conduct when entering and conducting community research.

Mode of delivery: Full-time / Contact

Assessment methods:

Written assignments, oral presentations, and critical discussions. Written examination. Formative assessment: 50% and summative assessment: 50%.

Assessment criteria:

The student will prove that he/she has attained the outcomes of the module when he/she can:

- Explain the complexities of the South African context and motivate the need for community-based research.
- Demonstrate knowledge and understanding of community psychology theory and research methodology by conceptualizing and planning a community-based research project that focuses on the mental health and well-being needs in South African communities.
- Conduct, manage and evaluate community research projects.
- Write a report on the process, findings and implications of research conducted within South African communities.
- Integrate ethical principles in all facets of planning and executing community research and act professionally during all stages of a community research project.

Module code: PSYC889	**Semester 1 and 2**	**NQF-Level: 9**

Title: Cognitive Psychology

Module outcomes:

After completion of the module, the student will demonstrate:

- Knowledge about and insight in:
  - The importance and role of cognition in human behaviour
  - The nature of basic cognitive processes like perception, attention, and memory
  - The nature of executive cognitive processes like problem solving and decision making
  - The nature of social cognitive processes like attribution, attitude and social judgment
  - The nature of the relationship between cognitive processes and mental health
- Ability to apply this knowledge to real life scenarios.
- Ability to apply this knowledge to the planning and execution of qualitative, quantitative, multi-, and mixed research contexts

Mode of delivery: Full-time / Contact

Assessment methods:

Written assignments, oral presentations, and critical discussions. Written examination. Formative assessment: 50% and summative assessment: 50%.

Assessment criteria:

The student will prove that he/she has attained the outcomes of the module when he/she can:

- Critically and successfully discuss, explain, and refute (in written or oral presentation format) statements, scenarios, issues, and questions related to the importance of cognition in human behaviour, basic, executive, and social cognitive processes, as well as the cognition / mental health interface.
- Successfully plan appropriate and effective research projects related to human cognitive processes. This includes the conceptualisation of appropriate design, sampling, ethics, and data collection- and data analysis techniques.
- Successfully execute appropriate and effective research projects related to human cognitive processes.

Module code: PSYD872	**Semester 1 and 2**	**NQF-Level: 9**

Title: Mini-dissertation

Module outcomes:

On completion of the module, the candidates should be able to demonstrate:

- The ability to 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.
- The ability to develop and write a research proposal in line with substantive theoretical or empirical foundations and ethical considerations.
- The ability to conduct basic research, using applicable qualitative, quantitative or a combination of both research methods.
- The ability to write a logically argued and integrated scientific report in which applicable psychological explanations are integrated with the research findings.

Mode of delivery: Full-time – Contact

Assessment criteria:

Candidates have mastered the outcomes if they are able to:

- Critically evaluate the relevance and feasibility of the research design.
- Critically formulate clear, succinct, and focused problem statements, and research questions.
- Develop a critical and focused literature review.
- Apply applicable research designs and research methods which determine the data collection and analysis.
- Formulate a logical argument in which thoughts and content are combined, which lead the reader to new knowledge and insight.

Assessment methods:

Submission of a research mini-dissertation (in partial compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules. The final result of the degree is based on the average of all marks allocated by examiners for the dissertation and the average of all module marks (50:50 ratio). A minimum pass mark of 50% will be required.

Assessment criteria:

Candidates have mastered the outcomes if they are able to:

- Critically evaluate the relevance and feasibility of the research design.
- Critically formulate clear, succinct, and focused problem statements, and research questions.
- Develop a critical and focused literature review.
- Apply applicable research designs and research methods which determine the data collection and analysis.

Formulate a logical argument in which thoughts and content are combined, which lead the reader to new knowledge and insight.

Module code: PSYK872	**Semester 1 and 2**	**NQF-Level: 9**

Research Theory and Dissertation in Clinical Psychology

Module outcomes:

On completion of the module, the candidates should be able to demonstrate:

- The ability to reflect on the paradigmatic basis of researchable problems.
- Understanding of the relationship between data and specific analysis techniques.
- The ability to identify a researchable topic.
- The ability to identify appropriate hypotheses and develop a research proposal in line with substantive theoretical or empirical foundations and ethical considerations.
- The ability to conduct basic research, using applicable qualitative, quantitative or a combination of both research methods.
- The ability to submit a research report in either dissertation/book or article format.

Mode of delivery: Full-time – Contact

Assessment methods:

Submission of a research dissertation (in partial compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules. The final result of the degree is based on the average of all marks allocated by examiners for the dissertation and the average of all module marks (50:50 ratio). A minimum pass mark of 50% will be required.

Assessment criteria:

Candidates have mastered the outcomes if they are able to:

- Critically discuss, orally or in writing, the paradigmatic basis of research-able problems.

- 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: PSYY873	**Semester 1 and 2**	**NQF-Level: 9**

Title: Research Mini-dissertation in Positive Psychology

Module outcomes:

After the successful completion of this module, the student must be able to demonstrate:

- Advanced, integrated knowledge and critical understanding regarding research in Positive Psychology, to specifically enable engagement with and critique of relevant literature in the field,
- an ability to evaluate current processes of knowledge production within the discipline of Positive Psychology and then to select an appropriate process of enquiry for the area of research in the mini-dissertation to effectively address an appropriate research problem,
- an ability to conduct a comprehensive review of leading and current research in Positive Psychology to produce a mini-dissertation that will delineate/clarify/demarcate a significant research problem that needs elucidation,
- an ability to use the resources of academic discourses to communicate and defend substantial ideas that are the products of research/knowledge production or development in an area of Positive Psychology.
- an ability to make autonomous ethical decisions in conducting the research.

Mode of delivery: Part-time / Full-time – contact

Assessment methods:

Submission of a research mini-dissertation (in partial compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules. The final mark of the degree is based on the average of all marks allocated by examiners for the mini-dissertation and the average of all module marks (33:67 ratio). A minimum pass mark of 50% will be required.

Assessment criteria:

A student has mastered the outcomes if he/she:

- Identify key issues or problems in the specific research area and undertake a critical review of the relevant literature to present a clear line of argumentation.
- Outline a clear and coherent rationale explaining the need for the chosen research.
- Demonstrate the ability to select an appropriate research design and methods for the research question.
- Critically interpret data in line with the original research question and wider literature and theory.
- The ability to apply research integrity and ethical practices pertaining to the specific field of the Positive Psychology study.

Module code: PSYP874	**Semester 1 and 2**	**NQF-Level: 9**

Title: Introduction to Positive Psychology

Module outcomes:

After the successful completion of this module, the student must be able to demonstrate:

- specialized 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.
- an ability to critically evaluate current research and literature within the Positive Psychology discipline.
- an 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.
- an 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 / Full-time – Contact

Assessment methods: Mini- and major-assignments

Assessment criteria:

A student has mastered the outcomes if he/she:

- displays specialist knowledge, accurate interpretation, and sound argumentation to enable engagement in systematic and disciplined reflection on major theoretical models, broad perspectives, and important constructs within the field of Positive Psychology.
- demonstrates the ability to critique current research and practices within the field of Positive Psychology.
- applies high levels of responsibility, self-reflexivity, and adaptability in management of own learning, development of learning strategies and effective interaction in a professional and academic context.
- demonstrates the ability to operate independently and takes full responsibility for his/her own work in applying new processes to obtain creative solutions and appropriate resources to support own research.

Module code: PSYY875	**Semester 1 and 2**	**NQF-Level: 9**

Title: Research methods and Assessment in Positive Psychology

Module outcomes:

After the successful completion of this module, the student must be able to demonstrate:

- embedded theoretical knowledge, understanding and experience needed to carry out research into positive psychology areas.
- under supervision, the ability to design, select and apply appropriate and creative qualitative and/or quantitative research designs, methods, and data analysis techniques to address complex practical/ theoretical problems.
- an ability to design and implement strategies for the effective processing and management of information with the use of appropriate academic resources.
- an ability to communicate effectively in a variety of formats with the research resources to diverse audiences with different levels of knowledge and expertise.

Mode of delivery: Part-time / Full-time – contact

Assessment methods:

Mini- and major-assignments.

Assessment criteria:

A student has mastered the outcomes if he/she:

- displays sophisticated knowledge and understanding of research methodologies to solve complex, unfamiliar problems in the field of Positive Psychology.
- displays a wide range of research skills in identifying, conceptualising, designing, and implementing all aspects of the research process.
- creatively selects and applies an appropriate strategy to access, process and manage information in a specific context within the field of Positive Psychology
- demonstrates an ability to use the resources of academic and professional discourse to communicate and defend substantial ideas in oral and written formats to diverse audiences with different levels of knowledge and expertise.

Module code: PSYP877	**Semester 1 and 2**	**NQF-Level: 9**

Title: Applications in Positive Psychology

Module outcomes:

After the successful completion of this module, the student must be able to demonstrate:

- an ability to apply a wide range of positive interventions across personal and professional domains.
- an ability to implement 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.
- an ability to critically contribute to the development of ethical standards within the field of Positive Psychology.
- an awareness and understanding of ethical constraints and scope of practice associated with application of Positive Psychology interventions;

Mode of delivery: Part-time / Full-time – Contact

Assessment methods:

Mini- and major-assignments.

Assessment criteria:

A student has mastered the outcomes if he/she:

- displays advanced proficiency in the utilisation of a variety of Positive Psychology measuring instruments.

- displays advanced competence in the appropriate application of a wide range of Positive Psychology interventions in personal and professional contexts.
- plans, manages, and optimises application of interventions within diverse hierarchical contexts with specific awareness of complex and unpredictable situations.
- identifies and manages emerging ethical issues; advances processes of ethical decision-making and monitors consequences where applicable in specific contexts in the field of Positive Psychology.

Module code: PSYP878	**Semester 1 and 2**	**NQF-Level: 9**

Title: Advanced Positive Psychology

Module outcomes:

After the successful completion of this module, the student must be able to demonstrate:

- advanced awareness, integrated knowledge, and critical understanding regarding meta-theoretical and philosophical perspectives in Positive Psychology, the pertinent social, economic, political, historical issues and the wider context of positive psychology and positive social sciences.
- critical awareness of current issues, debates, new insights, and cutting-edge issues within Positive Psychology.
- the capacity to engage in informed argument and reasoning, contributing to scholarly debates around theories of knowledge and methods of knowledge production in Positive Psychology.
- the capacity to discover knowledge and create coherent understanding through the retrieval, analysis, evaluation, organisation, synthesis, and dissemination of information.
- the capacity for analysis and synthesis: evaluation of concepts at a meta-level, capability to identify assumptions, evaluation of statements regarding 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:

Mini- and major-assignments.

Assessment criteria:

A student has mastered the outcomes if he/she:

- demonstrates an ability to present ideas, thoughts, and research of meta-theoretical and philosophical perspectives in the emerging field of Positive Psychology in a comprehensive, professional, and understandable manner.
- demonstrates an ability to critically analyse current matters and debates in relation to new insights and cutting-edge issues within Positive Psychology.
- participates in academic discourse to report and defend substantial ideas concerning theories and methods of knowledge production in Positive Psychology.
- conducts a comprehensive review of leading and current research through analysis and synthesis to formulate new insights, applications, and appropriate generalisations.

Module code: PSYV872	**Semester 1 and 2**	**NQF-Level: 9**

Title: Research theory and Dissertation in Counselling Psychology

Module outcomes:

On completion of the module, the candidates should be able to demonstrate:

- The ability to reflect on the paradigmatic basis of researchable problems.
- Understanding of the relationship between data and specific analysis techniques.
- The ability to identify a researchable topic.
- The ability to identify appropriate hypotheses and develop a research proposal in line with substantive theoretical or empirical foundations and ethical considerations.
- The ability to conduct basic research, using applicable qualitative, quantitative or a combination of both research methods.
- The ability to submit a research report in either dissertation/book or article format.

Mode of delivery: Full-time – Contact

Assessment methods:

Submission of a research dissertation (in partial compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules. The final mark of the degree is based on the average of all marks allocated by examiners for the dissertation. A pass mark of 50% be required.

Assessment criteria:

Candidates have mastered the outcomes if they are able to:

- Critically discuss orally or in writing the paradigmatic basis of researchable problems.

- 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: PSYV879	**Semester 1 and 2**	**NQF-Level: 9**

Title: Child- and adolescent development, pathology, and therapy

Module outcomes:

On completion of the module, the candidates should be able to demonstrate:

- In-depth theoretical and practical competence in the field of child and adolescent development, psychology, psychopathology, and psycho diagnostics.
- Theoretical and practical competence in conducting clinical, emotional, or neuropsychological evaluations with children and adolescents.
- 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.
- The ability to 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.
- The ability to 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.
- The ability to 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 adolescent's existence to prevent psychopathology, promote optimal bio-psycho-social well-being and facilitate desirable adjustment, growth, and maturity.

Mode of delivery: Full-time – Contact

Assessment methods:

Written and oral assessments and presentations as well as formal examination. Formative assessment: 50% and summative assessment: 50%

Assessment criteria:

Candidates have mastered the outcomes if they are able to:

- Conduct clinical, emotional, or neuropsychological evaluations with children and adolescents by using intake and diagnostic interviews, obtaining relevant collateral information, applying relevant and culturally sensitive psycho-diagnostic instruments with cognizance of ethical and legislative aspects pertaining to children and adolescents.
- Make and formulate 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 and present their findings during case presentations and oral exams.
- Orally or in writing discuss and argue normal and abnormal child and adolescent development and different causes of psychological and neuropsychological disorders in children and adolescents from various meta-theoretical models.
- During case presentations, oral exams or in reports accurately report and communicate professional impressions, diagnoses, and conclusions to either multi-disciplinary teams or lay and other professional persons, and make appropriate recommendations for interventions, rehabilitation, or referrals.
- Plan and implement 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 adolescent's existence to prevent psychopathology, promote optimal bio-psycho-social well-being and facilitate desirable adjustment, growth, and maturity.

Module code: PSYV880	Semester 1 and 2	NQF-Level: 9

Title: Theory of Psychological Interventions in Counselling Psychology

Module outcomes:
On completion of the module, the candidates should be able to 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 and other couples with life challenges and psychological distress in diverse settings and contexts.

Mode of delivery: Full-time – Contact

Assessment methods:
Written and oral assessments and presentations as well as formal examination. Formative assessment: 50% and summative assessment: 50%

Assessment criteria:
Candidates have mastered the outcomes if they are able to:

- Orally or in writing during case study presentations, oral or written exams and practical work explain, discuss, and defend theoretical approaches and techniques proposed or chosen 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.

Module code: PSYV883	Semester 1 and 2	NQF-Level: 9

Title: Ethics, Psychodiagnostics and Practical work

Module outcomes:
On completion of the module, the candidates should be able to demonstrate:

- Theoretical and practical competence in the field of ethical psychological practice in a private practice or counselling setting, as well as professional conduct and legislative issues.
- The 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 team and/or other people.
- The ability to arrange appropriate referrals and competence in case management.
- Theoretical and practical knowledge and skills regarding forensic psychology and accurately document all processes followed.
- The ability to identify business opportunities and act as entrepreneur.
- The ability to learn behaviours which reflects values, attitudes and character traits required of a healthcare professional.
- The ability to focus on the relationship between the three disciplines (professional ethics, human rights, and medical law) and how these impact on the provision of healthcare services to patients and the community at large.
- Appropriate knowledge, attitudes and skills relating to the three disciplines.
- A multi-disciplinary approach towards the training and assessment in a longitudinal fashion over the study years.

Mode of delivery: Full-time – Contact

Assessment methods:
Written and oral assessments and presentations as well as formal examination. Formative assessment: 50% and summative assessment: 50%

Assessment criteria:
Candidates have mastered the outcomes if they are able to:

- Demonstrate advanced knowledge and insight into the ethical and legislative issues involved when working with children, adolescent, adults and older persons in diverse contexts and settings during supervision, case- and field work.
- Plan and perform advanced in-depth psychological assessments, formulate reports, and communicate findings and recommendations to various sources of referral or multidisciplinary teams and/ or other people either orally and/or in writing.
- Arrange appropriate referrals and demonstrate competence in case management during practical work.

- Demonstrate theoretical and practical knowledge and skills regarding forensic psychology and document all processes followed during practical work.
- Identify business opportunities and act as entrepreneur.

Module code: PSYV884	Semester 1 and 2	NQF-Level: 9

Title: Applied Psychology and Community interventions

Module outcomes:
On completion of the module, the candidates should be able to demonstrate:

- 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 serous 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: Full-time – Contact

Assessment methods:
Written and oral assessments and presentations as well as formal examination. Formative assessment: 50% and summative assessment: 50%

Assessment criteria:
Candidates have mastered the outcomes if they are able to:
a) Apply culturally sensitive psychological interventions to people with psychiatric conditions and serous life challenges, and design, manage and evaluate programmes dealing with psychiatric problems in diverse settings during their practical work, write it up in a case study or present it as a power point presentation.
b) Demonstrate during oral or practical exams and case study presentations how they have promoted primary and secondary psychological well-being in an integrated, effective, and ethical responsible manner.
c)Demonstrate their ability to do basic supportive, preventative, and promotive psychological interventions in an integrated, effective, and ethical responsible manner, as well as the ability to plan and execute in - depth, specialized long-
term interventions with patients with serious life challenges and psychopathology by means of their portfolios, case study presentations, in supervision and practical.
exams.
d)Orally or in writing or in practice advise on the development of policy applicable to a variety of sectors, based on various aspects of psychological theory and research.
e) Orally or in writing reflect on the personal impact of the learning material, practical experiences and the skills acquired as a person and as a future therapist.

Module code: PSYV885	Semester 1 and 2	NQF-Level: 9

Title: Psychopharmacology, Neuropsychology, and advanced Psychopathology in Counselling Psychology

Module outcomes:
On completion of the module, the candidates should be able to demonstrate:

- 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: Full-time – Contact

Assessment methods:
Written and oral assessments and presentations as well as formal examination. Formative assessment: 50% and summative assessment: 50%

Assessment criteria:
Candidates have mastered the outcomes if they are able to:

- During practical work, video, and case study presentations, as well as written and oral exams, conduct ethical and culturally sensitive psychodiagnostics interviews and procedures and neuro-psychological evaluations.
- Make and formulate 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.
- Orally or in writing accurately 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.
- Participate in scientifically based arguments during oral and written examinations and case study presentations about the different causes of developmental delays and psychological and neuropsychological disorders in children, adults, and psychopharmacology, including classification and functioning of the nervous system, brain anatomy and physiology, neurotransmission; and the use of psychotropic medication for various clinical conditions.

Module code: RKKV871	**Semester 1 and 2**	**NQF-Level: 9**

Title: Dissertation

Module outcomes:
After completion of the Recreation Science qualification, the student should demonstrate:

- advanced/progressive/innovative and integrated knowledge and specialised understanding regarding 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 to capture data in Recreation 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 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: Full-time / Part-time - contact. This program is 100% research with no course work

Assessment methods:
Submission of a research dissertation (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules. The final mark of the degree is based on the average of all marks allocated by examiners for the dissertation. A minimum pass mark of 50% will be required.

Assessment criteria
Students have mastered the outcomes if they are able to:

- 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 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:

- the ability to analyse a range of research methodologies, methods, and approaches regarding their appropriateness for investigating specific 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: Full-time / 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.

Assessment methods:

The following forms of continuous formative and summative assessment are used to ensure integrated assessment of all exit level outcomes:

- Reports and written assignments.
- Transdisciplinary group debates.
- Written examination.
- Above will be used as methods of outcome evaluation and written Examination.

Assessment criteria:

The student has mastered the outcomes when s/he can:

- Analyse and interpret prescribed research reports.
- Give feedback in a systematic and comprehensive way on research methodology, data collection techniques, data analysis procedures and principles.
- Engage in a discussion about the current professional and clinical discourse in the specific area of research.
- Interrogate the various sources of knowledge in a specific field.
- Participate in and contribute to discipline-related discussions on relevant issues in the field of health promotion.
- Identify health trends that impact on health promotion; and
- Take part in transdisciplinary team discussions on various aspects of health promotion.

Module code: TDHP812	**Semester 1**	**NQF-Level: 9**

Title: Transdisciplinary Health Promotion

Module outcomes:

After completion of this module the student should be able to have:

- 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.

Mode of delivery: Full-time / 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.

Assessment methods:

The following forms of continuous formative and summative assessment are used to ensure integrated assessment of all exit level outcomes:

- Reports and written assignments.
- Transdisciplinary group debates.
- Oral examination.
- Above will be used as methods of outcome evaluation and final Examination.

Assessment criteria:

The student has mastered the outcomes when s/he can:

Trans disciplinarity:

- unite (integrate) knowledge to work in a health team that consists of different disciplines.
- participate in and contribute to discipline-related discussions on relevant issues in the field of health promotion in the context of a transdisciplinary health team.

Ethical:

- make ethical decisions, focusing on the immediate level of moral reasoning, using ethical rules such as non-maleficence, beneficence, respect, fidelity, justice, and social responsibility.
- apply ethical theory and meta-ethics in the practice of health promotion.

Health promotion:

- compare different underlying theories, ideas and concepts that are relevant to the current health sciences landscape and argue the merits of each.

- apply the theory that is relevant to the health sciences to the practice of health promotion.
- distinguish knowledge that is relevant to the field of health promotion and analyse and evaluate such knowledge in order to determine its worth and application.
- enable people to increase control over and improvement of their own health and well-being; and
- apply the knowledge that is gained to discuss ways to create supportive environments,
- strengthen community action,
- develop personal skills,
- re-orientate health services around the sharing of responsibilities through teamwork, and
- build a healthy public policy.

Module code: TDHP872	**Semester 1**	**NQF-Level: 9**

Title: Dissertation

Module outcomes:

After completion of this module the student will be able to demonstrate:

- specialist knowledge and understanding to engage and critique health promotion research and practices within the field of health promotion and /or and to contribute to disciplined thinking about health promotion matters and issues.
- an ability to evaluate current processes of knowledge production in the field of health promotion, and to choose appropriate processes of enquiry for transdisciplinary health promotion.
- demonstrate a command of and ability to design, select and apply appropriate and creative methods, techniques, procedures, or technologies to complex practical and theoretical problems.
- demonstrate the ability to conduct independent inquiry in a specialised field of transdisciplinary health promotion, and to report their findings in academically appropriate ways.
- demonstrate 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 context.
- demonstrate an ability to design and implement a strategy for the processing and management of information, to conduct a comprehensive review of leading and current research in an area of transdisciplinary health promotion to produce significant insights.
- demonstrate 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 an area of specialisation; and demonstrate advanced and specialised skills and discourses appropriate to the field of transdisciplinary health promotion, to communicate to a range of audiences with different levels of knowledge or expertise.
- demonstrate 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.

Mode of delivery: Full-time / 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 Full-time and in two years for part-time students.

Assessment methods:

Submission of a research dissertation (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules. The final mark of the degree is based on the average of all marks allocated by examiners for the dissertation and the average of all module marks (67:33 ratio). A minimum pass mark of 50% will be required.

Assessment criteria:

The student has mastered the outcomes when s/he can:

- Display specialist knowledge to enable engagement and critique of current research and practices within the field of Transdisciplinary Health Promotion and to engage in systematic and disciplined thinking about health-related matters and issues, with specific reference to trans disciplinarity.
- 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 Health Promotion.

- 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 Health Promotion with specific reference to Trans disciplinarity.
- design and implement a strategy for the processing and management of information, 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 educational discourse to report and defend substantial ideas that are the results of research in an area of Transdisciplinary Health Promotion.
- Plan, manage and optimise all aspects of research processes within complex and unpredictable contexts in Health Promotion as academic leaders and experts in the field of Transdisciplinary Health Promotion.
- 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: VERW871	**Semester 1&2**	**NQF-Level: 9**

Title: Dissertation

Module outcomes:

After completing this module, students should be able to demonstrate:

- 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: Full-time / Part-time – Contact

Assessment methods:

Submission of a research dissertation (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules. The final mark of the degree is based on the average of all marks allocated by examiners for the dissertation. A minimum pass mark of 50% will be required.

Assessment criteria:

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

- 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 specific 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, 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: NURS871	**Semester 1 and 2**	**NQF-Level: 9**

Title: Dissertation

Module outcomes:
On completion of the module, the candidates should be able to demonstrate:

- 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:
Full-time / Part-time – Contact
Research under guidance of a study leader supported by research committee.

Assessment methods:
Submission of a research dissertation (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules. The final result of the degree is based on the average of all marks allocated by examiners for the dissertation. A minimum pass mark of 50% from all examiners will be required.

Assessment criteria
Students have mastered the outcomes if they are able to:

- 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, 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.

HSC.4.2 DOCTORAL DEGREES

Module code: BHIG971	**Semester 1 and 2**	**NQF-Level: 10**

Title: Thesis

Module outcomes:
On completion of the module, the student should be able to demonstrate:

- 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 based on 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: Full-time / Part-time – Contact.

Assessment methods:
Submission of a research thesis (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules.
The concluding result of the degree is based on final acceptance of the thesis by the appointed examiners.

Assessment criteria
Students have mastered the outcomes if they are able to:

- 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 based on 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: FCHG971	**Semester 1 and 2**	**NQF-Level: 10**

Title: Thesis

Module outcomes:
After successful completion of this module, the student will demonstrate:

- 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 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, 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, 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 Full-time – Contact. Completion of a research project under the guidance of a promoter.

Assessment methods:
Submission of a research thesis (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules.
The concluding result of the degree is based on final acceptance of the thesis by the appointed examiners.

Assessment criteria
The student will prove that he/she has mastered the module outcomes if he/she can:

- 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 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, to find an effective solution for a complex research problem, thereby contributing in a meaningful manner to a specialisation field in Pharmaceutical Chemistry.
- 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, 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: FKLG971	**Semester 1 and 2**	**NQF-Level: 10**
Title: Thesis		

Module outcomes:
After completion of this module the student should be able to:

- 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 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, 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, 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: Full-time – Contact. Completion of a research project under the guidance of a promoter.

Assessment methods:
Submission of a research thesis (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules.
The concluding result of the degree is based on final acceptance of the thesis by the appointed examiners.

Assessment criteria
Students have mastered the outcomes if they are able to:

- 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 field within pharmacology according to the research project.
- display the ability to generate, synthesize and evaluate information and concepts at highly abstract levels and make sound evaluations based on 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: FMSG971	**Semester 1 and 2**	**NQF-Level: 10**

Title: Thesis

Module outcomes:

After successful completion of this module, the student will demonstrate:

- 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 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, 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, 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: Full-time – Contact. Completion of a research project under the guidance of a promoter.

Assessment methods:

Submission of a research thesis (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules.

The concluding result of the degree is based on final acceptance of the thesis by the appointed examiners.

Assessment criteria

The student will prove that he/she has mastered the module outcomes if he/she can:

- 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 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, to find an effective solution for a complex research problem, thereby contributing in a meaningful manner to a specialisation field of Pharmaceutics.
- 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, 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: FMWG971	**Semester 1 and 2**	**NQF-Level: 10**

Title: Thesis

Module outcomes:

After successful completion of this module, the student will demonstrate:

- Depth of critical knowledge and high levels of theoretical understanding in a complex and specialised area within the field of Health Sciences and /or across specialised or applied areas and ability to expand or redefine existing knowledge in the field of Pharmaceutical 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 Pharmaceutical Sciences and the competence to integrate and apply theoretical knowledge and research findings within local and global contexts.
- The competence to question existing knowledge boundaries and practices in the field of Health Sciences with specific focus area of Pharmaceutical Sciences.
- The competence to deal with complexity, lacunae, and contradictions in the knowledge base of the field of Pharmaceutical Sciences
- Autonomous independent judgements about information and concepts at highly abstract levels and make evaluations based on independently generated criteria.
- Mastery of the literature and state of research in Pharmaceutical Sciences
- 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: Full-time/ Part-time/ Contact – Completion of a research project under the guidance of a promoter.

Assessment methods:
Submission of a research thesis (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules.
The concluding result of the degree is based on final acceptance of the thesis by the appointed examiners.

Assessment criteria
The student will prove that he/she has mastered the module outcomes if he/she can:

- Generate and display critical knowledge and high levels of theoretical understanding in a complex and specialised area within the field of Health Sciences and /or across specialised or applied areas and make an original contribution to the knowledge society in Pharmaceutical 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 Pharmaceutical Sciences and develop competence to integrate and apply theoretical knowledge and research findings within relevant local and global contexts as well as across disciplines.
- Synthesise, evaluate, and question existing knowledge boundaries and practices in the field of Pharmaceutical Sciences and create responses to problems that expand or redefine existing knowledge.
- Analyse complex lacunae and contradictions in the knowledge base of the field of Pharmaceutical Sciences.
- Generate, synthesize, and evaluate information and concepts at highly abstract levels and make sound evaluations based on independently generated criteria.
- 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 Pharmaceutical Sciences.
- Plan, resource, manage and optimise all aspects of research processes within complex and unpredictable contexts in Pharmaceutical 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: FPKG971	**Semester 1 and 2**	**NQF-Level: 10**

Title: Thesis

Module outcomes:
On completion of the module, the student should be able to demonstrate:

- 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, 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.

Mode of delivery: Full-time/part-time – contact – It is expected from students to complete a research project under guidance of a promoter.

Assessment methods

Submission of a research thesis (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules.
The concluding result of the degree is based on final acceptance of the thesis by the appointed examiners.

Assessment criteria

Students have mastered the outcomes if they are able to:

- 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: HPED971	**Semester 1 and 2**	**NQF-Level: 10**

Title: Thesis

Module outcomes:

On completion of the module, the candidate should be able to demonstrate:

- Scholarly knowledge and skills regarding the field of health sciences education appropriate to specific health professions within the higher education environment.
- As knowledgeable and professionals' 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 Health Professions Education.
- The competence to integrate and apply theoretical knowledge and research findings within local, national, and international contexts.
- As innovative and critical thinkers the ability to question existing knowledge boundaries and practices in the field of Health Sciences with specific focus area of Health Professions Education
- The competence to deal with complexity, lacunae, and contradictions in the knowledge base of the field of Health Professions Education.
- Autonomous independent judgements about information and concepts at highly abstract levels and make evaluations based on independently generated criteria.
- Mastery of the literature and state of research in Health Professions Education.
- High levels of responsibility, self-reflexivity, and adaptability, with respect to the ethical implications of higher education 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: Full-time / Part-time - contact

Assessment methods:

Submission of a research thesis (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules.
The concluding result of the degree is based on final acceptance of the thesis by the appointed examiners.

Assessment criteria:

The student has mastered the outcomes when he/she can:

- Showcase intellectual independence and advanced research skills, sophisticated knowledge, and research methodologies to solve complex, unfamiliar, and relevant problems in the field of Health Professions Education.
- Demonstrate competence to integrate and apply theoretical knowledge and research findings within relevant local and global contexts as well as across disciplines.
- Synthesise, evaluate, and question existing knowledge boundaries and practices in the field of Health Sciences with specific focus in Health Professions Education and create responses to problems that expand or redefine existing knowledge.

- Analyse complex lacunae and contradictions in the knowledge base of the field of Health Professions Education.
- Generate, synthesize, and evaluate information and concepts at highly abstract levels and make sound evaluations based on independently generated criteria.
- Show mastery of the literature by producing original insights into new and complex ideas, information and issues in Health Professions Education and the ability to compose research articles for publication and defend own research by submitting an article/s to peer-reviewed journals.
- Plan, resource, manage and optimise all aspects of research processes within complex and unpredictable contexts in Health Professions Education.
- 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 and relate to international contexts.

Module code: MBWK971	**Semester 1 and 2**	**NQF-Level: 10**

Title: Thesis

Module outcomes:
After the module has been completed, the student should be able to demonstrate:

- 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.
- 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 based on 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: Full-time / Part-time - contact. The thesis is 100% research with no course work.

Assessment methods:
Submission of a research thesis (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules.
The concluding result of the degree is based on final acceptance of the thesis by the appointed examiners.

Assessment criteria
Students have mastered the outcomes if they are able to:

- 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 based on 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

Module outcomes:

On completion of the module, the student should be able to demonstrate:

- 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 based on 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 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: Full-time/ Part-time/ Contact

Assessment methods:

Submission of a research thesis (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules.
The concluding result of the degree is based on final acceptance of the thesis by the appointed examiners.

Assessment criteria

Students have mastered the outcomes if they are able to:

- 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.
- 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 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 based on 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: NUTD971	Semester 1 and 2	NQF-Level: 10

Title: Thesis

Module outcomes:
Upon completion of this module the student should have:

- 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.
- 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 l issues and research needs in South Africa, and the ability to relate these issues to international contexts.

Mode of delivery: Full-time / Part-time – Contact.

Assessment methods:
Submission of a research thesis (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules.
The concluding result of the degree is based on final acceptance of the thesis by the appointed examiners.

Assessment criteria
Students have mastered the outcomes if they are able to:

- 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 evaluation 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 based on 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

Module outcomes:
On completion of the module, the student should be able to demonstrate:

- 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 based on 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: Full-time / Part-time – Contact.

Assessment methods:
Submission of a research thesis (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules.
The concluding result of the degree is based on final acceptance of the thesis by the appointed examiners.

Assessment criteria
Students have mastered the outcomes if they are able to:

- 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 evaluation and question existing knowledge boundaries and practices in the field of Nutrition and create responses to problems that expand or redefine existing knowledge.
- 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 based on 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: PHYS971	**Semester 1 and 2**	**NQF-Level: 10**

Title: Thesis

Module outcomes:
After the module has been completed, the student should:

- Have 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 based on 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: Full-time – Contact.

Assessment methods:
Submission of a research thesis (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules.
The concluding result of the degree is based on final acceptance of the thesis by the appointed examiners.

Assessment criteria
Students have mastered the outcomes if they are able to:

- 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.
- 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 based on 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

Module outcomes:
After the completion of the module the student should be able to:

- 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 based on 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: Full-time / Part-time – Contact / Distance.

Assessment methods:
Submission of a research thesis (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules.
The concluding result of the degree is based on final acceptance of the thesis by the appointed examiners.

Assessment criteria
Students have mastered the outcomes if they are able to:

- 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 based on 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: PSYP971	**Semester 1 and 2**	**NQF-Level: 10**

Title: Thesis

Module outcomes:

After the completion of the module the student should be able to demonstrate:

- depth of critical knowledge and high levels of theoretical understanding in a complex, socially relevant, and specialised area within the field of Health Sciences and /or across specialised or applied areas and expand or redefine existing knowledge in the field of Positive 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 Positive Psychology.
- the competence to integrate and apply theoretical knowledge and research findings within local and global contexts.
- the competence to question existing knowledge boundaries and practices in the field of Health Sciences with specific focus area of Positive Psychology.
- the competence ability to deal with complexity, lacunae, and contradictions in the knowledge base of the field of Positive Psychology.
- autonomous independent judgements about information and concepts at highly abstract levels and make evaluations based on independently generated criteria.
- mastery of the literature and state of research in a specific area in Positive 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: Full-time/ Part-time/ Contact

Assessment methods:

Submission of a research thesis (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules.
The concluding result of the degree is based on final acceptance of the thesis by the appointed examiners.

Assessment criteria

Students have mastered the outcomes if they are able to:

- Generate and display critical knowledge and high levels of theoretical understanding in a complex and specialised area within the field of Health Sciences and /or across specialised or applied areas and make an original contribution to the knowledge society in Positive Psychology.
- 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 Positive Psychology.
- Develop competence to integrate and apply theoretical knowledge and research findings within relevant local and global contexts as well as across disciplines.

- Synthesise, evaluate, and question existing knowledge boundaries and practices in the field of Health Sciences with specific focus in Positive Psychology and create responses to problems that expand or redefine existing knowledge.
- Analyse complex lacunae and contradictions in the knowledge base of the field of Positive Psychology.
- Generate, synthesize, and evaluate information and concepts at highly abstract levels and make sound evaluations based on independently generated criteria.
- Show mastery of the literature by producing original insights into new and complex ideas, information, and issues in Positive Psychology.
- Plan, resource, manage and optimise all aspects of research processes within complex and unpredictable contexts in Positive Psychology.
- 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 and relate to international contexts.

Module code: RKKX971	**Semester 1 and 2**	**NQF-Level: 10**

Title: Thesis

Module outcomes:
On completion of the module, the student should be able to demonstrate:

- 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 based on 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: Full-time / Part-time - contact. This programme is 100% research.

Assessment methods:
Submission of a research thesis (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules.
The concluding result of the degree is based on final acceptance of the thesis by the appointed examiners.

Assessment criteria
Students have mastered the outcomes if they are able to demonstrate:

- 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 based on 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: TDHP971	**Semester 1 and 2**	**NQF-Level: 10**

Title: Thesis

Module outcomes:
After successful completion of this module, the candidate should be able to demonstrate:

- a grasp of the body of knowledge of transdisciplinary health.
- the competency to undertake and prepare a critical and relevant literature review and to draw valid, reliable, and relevant conclusions from different sources.
- knowledge and critical understanding of national and international population trends and community needs,
- to evaluate these trends and needs with special focus on integrated transdisciplinary health both in South Africa and globally.
- skills to undertake transdisciplinary health research by applying appropriate research methods and techniques to identify, analyse and formulate complex real-world research problem(s) in the domain of transdisciplinary health.
- communicate and defend, orally and in writing, substantial ideas.
- the ability to defend results of the research effectively and ethically in a protocol and coherent thesis.
- demonstrate the ability to participate in and contribute to scholarly transdisciplinary debates; and
- the ability to compose research articles for publication.

Mode of delivery: Full-time/ Part-time/ Contact. Research under guidance of a promoter.

Assessment methods:
Submission of a research thesis (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules.
The concluding result of the degree is based on final acceptance of the thesis by the appointed examiners.

Assessment criteria
The outcomes have been mastered when the candidate can:

- defend the planned research within 6 months after the onset of the study in the form of an oral presentation of the protocol.
- have the research protocol approved by a research committee of the research entity and the ethics committee of the Faculty of Health Sciences within 6 months after registration.
- participate in and meaningfully reflect on the progress of the study in monthly meetings with the supervisor/s.
- participate in scheduled transdisciplinary group debates.
- participate in debates as a professional that shows growth in the understanding of an integrated transdisciplinary approach to health and well-being.
- successfully defend the results of the thesis to a team of specialist and non-specialist audience.
- successfully pass the final evaluation of the thesis by a team of internal and external examiners.
- submit an article/s to peer reviewed journal/s.

Module code: VERB971	**Semester 1 and 2**	**NQF-Level: 10**

Title: Thesis

Module outcomes:
On completion of the module, the student should be able to demonstrate and or deal with:

- 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 based on 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: Full-time/ part-time – Contact.

Assessment methods:
Submission of a research thesis (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules.
The concluding result of the degree is based on final acceptance of the thesis by the appointed examiners.

Assessment criteria
Students have mastered the outcomes if they are able to:

- 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 Sciences and create responses to problems that expand or redefine existing knowledge.
- 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 based on 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

Module outcomes:
On completion of the module, the student should be able to demonstrate:

- 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 based on 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.

Mode of delivery: Full-time/ Part-time/ Contact. Research under guidance of a study leader supported by research committee.

Assessment methods:
Submission of a research thesis (in full compliance of the requirements of the degree) for examination according to the requirements of the Academic rules of the NWU and Faculty rules.
The concluding result of the degree is based on final acceptance of the thesis by the appointed examiners.

Assessment criteria
Students have mastered the outcomes if they are able to:

- 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 based on 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.

HSC.5 LIST OF MODULES

HSC.5.1 CENTRE FOR HEALTH PROFESSIONS EDUCATION

Module code	Descriptive name	Credits
HPED871	Dissertation	180
HPED971	Thesis	360

HSC.5.2 PHYSICAL ACTIVITY, SPORT, AND RECREATION (PhASRec)

Module code	Descriptive name	Credits
MBWM871	Dissertation	180
RKKV871	Dissertation	180
MBWK971	Thesis	360
RKKX971	Thesis	360

HSC.5.3 SCHOOL OF PSYCHOSOCIAL HEALTH

Module code	Descriptive name	Credits
MWKC876	Adoption as a Specialization	28
MWKC877	Alternative Care Models & Strategies	20
MWKF885	General Child Assessment	22
MWKF886	Sexual and Physical Abuse	22
MWKF887	Legislation, report writing and the social worker as expert in criminal- and children court	24
MWKF888	Trauma assessment and investigating process	22
MWKK878	Contemporary Child Protection - Practice and Policies	20
MWKK879	Assessment & Intervention of Vulnerable Children	22
PSYC874	Critical Research Skills	16
PSYC875	Quantitative Research Methods	16
PSYC876	Qualitative Research Methods	16
PSYC879	Child and Adolescent Pathology and Therapy	20
PSYC880	Theory of Psychological Interventions in Clinical Psychology	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
PSYC886	Project Management	16
PSYC887	Psychometrics and applied psychological assessment	16
PSYC888	Community Psychology	10

PSYC889	Cognitive Psychology	10
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

HSC.5.4 AFRICA UNIT FOR TRANSDISCIPLINARY HEALTH RESEARCH (AUTHeR)

Module code	Descriptive name	Credits
GRTL873	Mini-dissertation	100
GRTL814	Population ageing and policies	16
GRTL815	Bio-medical and social theories	16
GRTL816	Quality of life and well-being of older persons	8
GRTL817	Gerontological interventions	8
PSYY873	Research Mini-dissertation in Positive Psychology	90
PSYP874	Introduction to Positive Psychology	24
PSYY875	Research methods and Assessment in Positive Psychology	18
PSYP877	Applications in Positive Psychology	24
PSYP878	Advanced Positive Psychology	24
PSYP971	Thesis	360
TDHP811	Research methodology	16
TDHP812	Transdisciplinary health promotion	16
TDHP872	Dissertation	148
TDHP971	Thesis	360
VERW871	Dissertation	180
VERB971	Thesis	360

HSC.5.5 COMMUNITY PSYCHOSOCIAL RESEARCH (COMPRES)

Module code	Descriptive name	Credits
MWKC873	Research Theory and Mini-dissertation	90
MWKN971	Thesis	360
MSWR871	Dissertation	180
PSYC871	Dissertation	180
PSYD872	Mini-dissertation	100
PSYK872	Research Theory and Dissertation in Clinical Psychology	100
PSYV872	Research theory and Dissertation in Counselling Psychology	100

PSYC971	Thesis	360

HSC.5.6 OCCUPATIONAL HYGIENE AND HEALTH RESEARCH INITIATIVE (OHHRI)

Module code	Descriptive name	Credits
BHIG871	Dissertation	180
BHIG971	Thesis	360

HSC.5.7 CENTRE OF EXCELLENCE FOR NUTRITION (CEN)

Module code	Descriptive name	Credits
NUTE875	Introduction to Nutrition Epidemiology and Research Methods	30
NUTH875	Nutrition for the Hospitalised Patient	30
NUTG875	Personalised Nutrition	30
NUTS875	Sport Nutrition	30
NUTD811	Approaches to Nutrition Data Acquisition	30
NUTN821	Nuclear Techniques	30
NUTP811	Introduction to Public Health Nutrition	30
NUTP822	Applied Public Health Nutrition	30
NUTT872	Mini-dissertation in Therapeutic Nutrition	90
NUTS872	Mini-dissertation in Nutrition Sciences	90
NUTN872	Mini-dissertation in Nuclear Techniques	90
NUTP872	Mini-dissertation in Public Health Nutrition	90
NUTN871	Dissertation	180
NUTD971	Thesis	360
NUTN971	Thesis	360

HSC.5.8 HYPERTENSION IN AFRICA RESEARCH TEAM (HART)

Module code	Descriptive name	Credits
PHYS871	Dissertation	180
PHYS971	Thesis	360

HSC.5.9 SCHOOL OF PHARMACY

Module code	Descriptive name	Credits
PHPP811	Research methodology, biostatistics, and evidence-based practice for health professionals	16
PHPP812	Adverse drug reactions and drug-related problems	16

PHPP813	Health systems and Policy	16
PHPP821	Advanced drug utilisation review and pharmacoepidemiology	16
PHPP822	Pharmacovigilance	16
PHPP823	Pharmaceutical and Health economics	16
PHPP824	Governance in pharmaceutical systems	16
PHPP825	Pharmaceutical public healthcare Governance	16

HSC.5.10 MEDICINE USAGE IN SOUTH AFRICA (MUSA)

Module code	Descriptive name	Credits
PHPP872	Dissertation	116
FPKG971	Thesis	360

HSC.5.11 CENTRE OF EXCELLENCE FOR PHARMACEUTICAL SCIENCES (Pharmacen)

Module code	Descriptive name	Credits
FCHG871	Dissertation	180
FKLG871	Dissertation	180
FMSG871	Dissertation	180
FCHG971	Thesis	360
FKLG971	Thesis	360
FMSG971	Thesis	360

HSC.5.12 DSI/NWU PRECLINICAL DRUG DEVELOPMENT PLATFORM (PCDDP)

Module code	Descriptive name	Credits
FMWG871	Dissertation	180
FMWG971	Thesis	360

HSC.5.13 QUALITY IN NURSING AND MIDWIFERY (NUMIQ)

Module code	Descriptive name	Credits
NURS871	Dissertation	180
VPVV971	Thesis	360