UNIVERSITY OF JOHANNESBURG

FACULTY OF HEALTH SCIENCES

RULES AND REGULATIONS

2017

UNDERGRADUATE AND POSTGRADUATE PROGRAMMES

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The University reserves the right to supplement, delete or change any part of a regulation without prior notice.

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A GENERAL INFORMATION

Note

All Faculty Rules and Regulations should always be read in conjunction with the Academic Rules and Regulations of the University as well as the general Rules and Regulations per Department per programme.

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HS *ii* UNIVERSITY FEES

Please consult the brochure on University fees or dial: (011) 559-6940. Students should take note of levies charged per programme.

HS *iii* MINIMUM PROGRAMME ADMISSION REQUIREMENTS

Compliance with the minimum programme admission requirements does not guarantee a place in a programme. The General Academic Regulations of the University applies in each case.

The Faculty of Health Sciences uses the M-score and APS rating scale during its selection process. The M-score scale allocates points to the symbol obtained either in higher or standard grade.

Award yourself points for each Grade 11 **OR** Grade 12 subjects that you have passed according to the table provided below.

Calculate the values that you have achieved to determine your M-score.

Different Departments include different minimum M-score values (see rules of access and admission requirements per Department).

Points are awarded for the six best symbols on the Grade 11 (N-score) or Grade 12 (M-score) report according to the scale below. A maximum of six subjects will be used to calculate either the N-score, or M-score, with a maximum M-score of 30.

Senior Certificate / Grade 12 M-scores are calculated as follows

Module symbol	Higher Grade	Standard Grade
A	5	4
B	4	3
C	3	2
D	2	1
E	1	0

The Academic Point Score (APS) scale allocates points to the percentage obtained for each subjects. Calculate your APS score as follows:

APS	%
7	80-100%
6	70-79%
5	60-69%
4	50-59%
3	40-49%
2	30-39%
1	0-29%

Admission scores for other types of school-end certificates such as the HIGCSE, the IGCSE, the A-level, the O-level, the AS-level, the IB and the IEB are calculated in the same manner as above in the following way:

ADMISSION SCORE TABLE

APS	NATIONAL				INTERNATIONAL					
	NSC	SC HG (M-SCORE)	SC SG (M-SCORE)	IEB	HIGCSE/ NSSC (HL)	IGCSE/ NSSC (OL)	AS LEVELS	A LEVELS	IB (HL)	IB (SL)
10								A	7	
9								B	6	
8								C	5	
7	7 (80-100%)	A		7	1		A	D	4	7
6	6 (70-79%)	B	A	6	2		B	E	3	6
5	5 (60-69%)	C	B	5	3	A	C		2	5
4	4 (50-59%)	D	C	4	4	B	D		1	4
3	3 (40-49%)	E	D	3		C	E			3
2	2 (30-39%)	F	E	2		D/E				2
1	1 (0-29%)	G	F	1		F/G				1

School-end certificates not included in the above score card are dealt with on an ad-hoc basis within Departments.

HS *iv* EXEMPTIONS

All students who transferred from another Higher Education Institution should apply for exemptions from modules completed successfully at that Institution. Application forms are available from Faculty Administration. The completed form with relevant documentation must be submitted **within 30 days of registration**. Exemptions can be applied for before registration. Closing date for submission is the end of **March** each year.

Students should in particular take note of the following general **Academic Regulations** of the University:

A Head of Department may, in consultation with the Executive Dean or in accordance with a list of exemptions approved by the Executive Dean, grant exemption from and award a credit for a module to students on the grounds that they have passed a relevant module at the University or at another accredited Higher Education institution.

Exemption from and awarding of credit for modules, as stipulated in AR 7.1, may not be granted for more than half the number of modules required in an undergraduate programme in which exemption and recognition are requested. A Faculty may determine rules and regulations in this regard in agreement with the existing Faculty Rules and Regulations, and subject to approval by Senate. At least half the number of semester modules, including the exit level modules where appropriate, should be passed at the University for the University to award the diploma or confer the degree. The Executive

Dean concerned, in consultation with the Registrar, may give permission to the student (for legitimate reasons) to complete such exit level module(s) at another HEI in South Africa, or abroad in accordance with the academic record concerned. For the purposes of this sub-regulation, a year module counts as two semester modules, and one term module counts as half a semester module.

Only in exceptional circumstances may the Executive Dean grant exemption from an exit level or semester core module that has been passed at another institution or in another programme.

Exemption from or credit for a module may only be granted for one further programme in addition to the programme in which the module was originally completed.

Students need written permission from the Executive Dean to register for two courses at the same time or to register for an outstanding module at another Institution.

HS *v* **RECOGNITION OF PRIOR LEARNING:**

The Faculty of Health Sciences follows the University policy on the Recognition of Prior Learning. This policy is available on the University of Johannesburg website (www.uj.ac.za).

HS *vi* **ASSESSMENT:**

Assessment in all programmes takes place in accordance with the University policy on assessment. This policy is available on the University of Johannesburg website (www.uj.ac.za). The criteria for assessment in all modules are available in learner guides.

HS *vii* **DISTINCTION CRITERIA**

Obtaining a qualification.

Students obtain a qualification if they have passed every module prescribed for a programme and have successfully completed experiential, service or work-integrated learning, where applicable.

A qualification is awarded or conferred with distinction if the requirements below are met:

(a) Duration:

(i) Students must complete an undergraduate programme in the minimum period of study specified for the programme, unless the Executive Dean has approved a longer period of study for legitimate reasons.
(ii) Students must complete an honours qualification, advanced diploma or postgraduate diploma within one year if registered full-time and within two years if registered part-time.
(ii) Students must complete a master's qualification within one year full time and two years part time.

(b) Average final mark for the qualification:

(i) Students must achieve a weighted and/or proportional calculated average final mark for an undergraduate qualification of at least 75% as determined by the Faculty Board, approved by Senate and contained in the Faculty Rules and Regulations.
(ii) Students must achieve an average final mark for an honours qualification of at least 75% calculated by weighting the final marks for all the modules comprising the qualification in accordance with the NQF credit values allocated to the modules.

(iii) Students for a master's qualification by dissertation must achieve a final mark of at least 75% for the dissertation.

(iv) Students for a master's qualification by coursework must achieve an average final mark for the qualification of at least 75% calculated by weighting the average final marks for all the coursework modules and the final mark for the minor dissertation in accordance with the credit values allocated to all the coursework modules and the minor dissertation respectively (for example, if the credit value of the minor dissertation represents 40% of the total credit value of the qualification, the average final mark for the qualification will be weighted in the proportion of 40 for the minor dissertation and 60 for all the coursework modules).

(v) Decimal marks may be rounded upwards or downwards in accordance with the decision taken by the Faculty Assessment Committee concerned.

(c) A student must never have failed a module as a first attempt in the relevant programme.

(d) A student must have obtained a minimum mark of 65% in every prescribed module and, in the case of a master's qualification by coursework, in the minor dissertation as well.

(e) Students for an honours qualification, advanced diploma or postgraduate diploma must have been registered for the full curriculum as prescribed for each academic year on a full-time or part-time basis, as the case may be.

HS *viii* EXPOSURE TO INFECTIOUS AGENTS

In terms of the UJ policy adopted regarding students who are exposed to infectious agents, students who will interact with live patients in a clinical or related environment within the Faculty of Health Sciences are required to be vaccinated against Hepatitis B due to the risk of exposure. During orientation and/or at the first contact session every student who will interact with live patients in a clinical or related environment will be issued with a letter which will inform them about the importance of immunization against Hepatitis B as well as the fact that it is mandatory to be vaccinated. Students are to sign for receipt for the letter and a copy will be held on their student file.

At the start of the second term students would need to sign a document stating that they have previously been exposed or received/commenced these vaccinations. By virtue of the signature on that document students confirm that they have been previously exposed/vaccinated/commenced vaccination against Hepatitis B and that they understand that false declaration constitutes fraud and that they may face disciplinary actions and medical consequences that may arise from a false declaration.

Exposed students who have not started with or been exposed / vaccinated against Hepatitis B when commencing their studies in the Faculty of Health Sciences may have it done at the Primary Health Services situated on the various campuses. Vaccinations need to commence within the first month after registration. Please note that all the costs for these vaccinations are to be paid for by the student. Students may visit the clinic to establish the cost of the vaccinations and the procedure that needs to be followed. These vaccinations may also be done at any other registered medical provider which offers this service. In some instances medical aid may cover the cost. Hepatitis B injections commence and are then repeated 1 month and 6 months later. Blood tests would need to be done 1 month after the last injection to establish whether the body had developed sufficient immunity against Hepatitis B. If not, booster dosages would need to be administered and the blood tests repeated. These blood tests would need to be done by a private laboratory at the cost of the student.

It is strongly recommended that students who work with patients be examined for Tuberculosis before commencement of their studies and also be vaccinated against

Hepatitis A, Tetanus, Meningitis, Varicella, Mumps, Measles, Rubella (if not exposed or vaccinated to these diseases before) and annually for influenza.

The University will not be held liable for any consequences resulting from an accidental exposure to any of the above infectious agents by the student.

The University has insurance with Marsh for accidental exposure to HIV due to work integrated learning. The necessary form will be issued to students for signature at the commencement of each year of study.

HS *ix* **ACADEMIC STAFF:**

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B FACULTY REGULATIONS

These regulations should be read in conjunction with the Academic Regulations of the University of Johannesburg.

HS1.0 DEPARTMENT OF BIOMEDICAL TECHNOLOGY

HS1.1 NATIONAL DIPLOMA: BIOMEDICAL TECHNOLOGY (383)

Duration of programme:
Full-time: 3 Years
NQF level 5

HS1.1.1 Purpose

The purpose of the National Diploma in the Biomedical Technology programme is to produce graduates competent to apply theoretical and practical fundamental knowledge and skills in the fields of medical technology and research. The programme provides extensive theoretical knowledge and practical training about various related modules and experiential training. The outcome of these combined offerings results in the achievement of purpose of the qualification as stipulated in the curricula. This qualification leads to registration with the Health Professions Council of South Africa as a Medical Technologist.

HS1.1.2 Outcomes

1. All discipline-specific routine laboratory investigations are performed with accuracy and precision.
2. Laboratory results are interpreted correctly.
3. Specified laboratory equipment is maintained and used according to SOPs.
4. All laboratory safety considerations, ethical considerations and quality control mechanisms and principles are consistently applied.
5. Work behaviour is satisfactory with regard to time keeping, following of instructions professional behaviour etc.
6. Basic laboratory administration and management principles are correctly described.

HS1.1.3 Rules of access and admission requirements

A Senior Certificate or an equivalent qualification at an equivalent standard as determined by a Status Committee, with the following compulsory subjects:
1. Biology with at least a higher grade D or standard grade C symbol;
2. Physical Science with at least a higher grade D or standard grade C symbol;
3. Mathematics with at least a higher grade D or standard grade C symbol.

M-Score: 14

or
A National Senior Certificate (NSC) - APS Score with minimum requirements as shown below:

Minimum APS	Language of teaching and Learning (English)	Mathematics	Mathematical Literacy	Physical Sciences	Life Sciences	Additional Subject 1	Additional Subject 2
24	4	4	Not accepted	4	4	4	4

Selection criteria

Selection is based on academic merit, and an interview (if required).

HS1.1.4 Pass requirements

1. Students are promoted to a subsequent semester of study if they have met the prerequisites.
2. Students retain credit for all modules passed.
3. Students may not register for module combinations that lead to timetable clashes.
4. Students may not do Laboratory Practice 3 (Work-integrated Learning) until they have passed all other first, second-year and third year modules.
5. Students are promoted to the second semester if they have passed at least 3 of the prescribed modules.
6. Students must pass 7 of the 11 modules in the first year in order to qualify for readmission.
7. Students must achieve a minimum of 50% for the practical component of a module to gain entrance to the final summative assessment.

HS1.1.5 Curriculum (calculation criteria for ALL the modules are 50:50)

First year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Anatomy and Physiology 1A	APA1111	See admission requirements
Chemistry BBF Theory 1	CET1AT1	
Chemistry BBF Practical 1	CET1AP1	
Physics 1B	PHY1AET	
Physics 1 Practical	PHY1ADP	
Introduction to Medical Technology 1	IGT1111	
Calculations and Statistics	STA1ABF	
Semester two		
Pathophysiology	PPH1112	APA1111
Biochemistry 2	WBC2122	CET1AP1 CET1AT1
Immunology 1	MTI1112	APA1111
Anatomy and Physiology 1B	APB1112	APA1111

Second year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Blood Transfusion Technology	BTT2111	MTI1112 PPH1112
Microbiology 2A	GTM2111	MTI1112 PPH1112
Cellular Pathology 2A	SPA2111	PPH1112 APB1112
Chemical Pathology 2A	CPA2111	WBC2122 PPH1112
Semester two		
Chemical Pathology 2B	BCP2112	CPA2111
Haematology 2	GTH2112	MTI1112 PPH1112
Microbiology 2B	GTN2112	GTM2111
Cellular Pathology 2B	SPB2112	SPA2111
Third year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Chemical Pathology 3	CPP3112	BCP2112
Haematology 3	GTH3112	GTH2112
Microbiology 3	MGT3112	GTN2112
Cellular Pathology 3	SPP3112	SPB2112
Semester two		
Laboratory Practice 3	ILP3111	Complete all third year, second semester modules

HS1.2 **BACCALAUREUS TECHNOLOGIAE: BIOMEDICAL TECHNOLOGY (505-1)**
Duration of programme:
Full-time: 1 Year
NQF level 6

HS1.2.1 **Purpose**

The purpose of the Bachelor of Technology in Biomedical Technology is to produce graduates that are competent to adopt a critical and innovative approach to contribute to the field of medical technology and to pursue careers as senior managers. The purpose of the Bachelor of Technology in Biomedical Technology is also to produce graduates that are competent in conducting scientific research under minimal guidance in a chosen field, and to contribute to knowledge production in that field. The research problem, its justification, process and outcome are to be reported in a dissertation

which complies with the generally accepted norms for research at this level.

HS1.2.2 Outcomes

1. An integrated approach to Pathophysiology is applied.
2. Molecular principles are applied and techniques are competently performed and interpreted.
3. Laboratory Management skills are acquired.
4. Research skills enabling students to enrol for Master's studies are acquired.

HS1.2.3 Rules of access and admission requirements

Selection is based on academic merit.

HS1.2.4 Pass requirements

Refer to the Academic Regulations of the University of Johannesburg.

HS1.2.5 Curriculum

Module name	**Module code**	**Prerequisite code**
Semester one		
Laboratory Management	HLM21-1	See rules of access and admission requirements
Year modules		
Research Methods and Techniques – Biomedical Technology	RESB411	
Integrated Pathophysiology 4	IPP41-1	
Molecular Biology 4	MCB41-1	

HS1.3 MAGISTER TECHNOLOGIAE: BIOMEDICAL TECHNOLOGY (512-1)
Duration of programme:
Full-time: Minimum 1 year and maximum 2 years
Part-time: Minimum 2 years and maximum 3 years
NQF level 8
Research dissertation 100%

HS1.3.1 Purpose

The purpose of the MTech in Biomedical Technology is to produce graduates that are competent in conducting scientific research under minimal guidance in a chosen field, and to contribute to knowledge production in that field. The research problem, its justification, process and outcome are to be reported in a dissertation which complies with the generally accepted norms for research at these levels.

HS1.3.2 Outcomes

Research is carried out under minimal guidance and a dissertation is successfully submitted.

HS1.3.3 Rules of access and admission requirements

A BTech: Biomedical Technology or an equivalent qualification at an equivalent standard as determined by a Status Committee and approved by the Faculty Board.

Selection Criteria

Selection is based on approval by the Faculty's Research Committee.

HS1.3.4 Pass requirements

Refer to the Academic Regulations of the University of Johannesburg.

HS1.3.5 Curriculum

A research project and a dissertation: The research component is 100%.

Module name	Module codes
Semester one	
Dissertation & Research Project: Biomedical Technology	RES5121
Semester two	
Dissertation & Research Project: Biomedical Technology	RES5122

HS1.4 DOCTOR TECHNOLOGIAE: BIOMEDICAL TECHNOLOGY (513-1)

Duration of programme:
Full-time: Minimum 2 years and maximum 3 years
Part-time: Minimum 3 years and maximum 4 years
NQF level 9
Research thesis 100%

HS1.4.1 Purpose

The purpose of the DTech in Biomedical Technology is to produce graduates that are competent in conducting scientific research under minimal guidance in a chosen field, and to contribute to knowledge production in that field. The research problem, its justification, process and outcome are to be reported in a dissertation which complies with the generally accepted norms for research at these levels.

HS1.4.2 Outcomes

Research is carried out under minimal guidance and a thesis is successfully submitted.

HS1.4.3 Rules of access and admission requirements

An MTech: Biomedical Technology or an equivalent qualification at an equivalent standard as determined by a Status Committee and approved by the Faculty Board.

Selection Criteria

Selection is based on approval by the Faculty's Research Committee.

HS1.4.4 Pass requirements

Refer to the Academic Regulations of the University of Johannesburg.

HS1.4.5 Curriculum

A research project and a thesis: The research component is 100%.

Module name	Module codes
Semester one	
Research Project and Thesis: Biomedical Technology	RES5131
Semester two	
Research Project and Thesis: Biomedical Technology	RES5132

HS2.0 DEPARTMENT OF CHIROPRACTIC

HS2.1 MAGISTER TECHNOLOGIAE: CHIROPRACTIC (367)

Duration of programme:
Full-time: 5 Years
NQF level 8
Course work 50% and minor dissertation 50%

(Students start with a three year National Diploma (358-1) followed by a one year BTech (511-1) degree for administrative purposes. The qualification will only be awarded after the successful completion of the MTech degree. Only the final year of registration is on masters' level.

HS2.1.1 Purpose

Persons achieving this qualification will be eligible to register as interns with the Allied Health Professions Council of South Africa, and as interns they will be able to render a service, including the prevention, cure and rehabilitation of disease and the promotion of health, as well as the application of primary health care principles and practices to both rural and urban societies, including the management of neuro-musculo-skeletal disorders. Following completion of the internship they will be competent and legally entitled, as granted by the appropriate authority, to practice independently as chiropractors, to conduct research in this field and to interact with other health-care professionals.

HS2.1.2 Outcomes

1. The student will be able to acquire a foundational knowledge of the basic sciences relevant to chiropractic.
2. The student will be able to apply the knowledge of the basic sciences in order to clinically assess a peer or model in terms of normal findings.
3. The student will be able to demonstrate appropriate communication skills for personal and professional development within a chiropractic context.
4. The student will be able to demonstrate knowledge of the humanities and the psychosocial sciences relevant to chiropractic and community health.
5. The student will be able to acquire an advanced knowledge in the pharmacological sciences within the chiropractic context.
6. The student will be able to apply the relevant procedures and technologies in order to clinically assess, diagnose, treat and manage the patient in terms of normal and abnormal findings.
7. The student will be able to demonstrate knowledge of the philosophical sciences relevant to chiropractic and community health.
8. The student will be able to acquire knowledge of the entrepreneurial sciences and professional practices relevant to chiropractic.

The student will be able to design and conduct research within the chiropractic context.

HS2.1.3 Rules of access and admission requirements

A Senior Certificate with matriculation exemption, or an equivalent qualification at an equivalent standard as determined by a Status Committee, with the following:

Two of the following modules:

1. Mathematics with at least a Higher Grade D or Standard Grade C symbol.
2. Physical Science with at least Higher Grade D or Standard Grade C symbol Biology with at least Higher Grade D or Standard Grade C symbol.
3. M-Score: 14
   APS: 27

Selection criteria

Selection is based on:
1. Academic merit (M-Score: 14 **or** APS score of 25). Applicants with Physical Sciences or Life Sciences will be considered, based on academic merit.
2. A personal interview.
3. Letters of recommendation from at least 2 practising doctors of Chiropractic.

A National Senior Certificate - APS Score with minimum requirements as shown below:

Minimum APS	**Language of teaching and Learning (English)**	**Mathematics**	**Mathematical Literacy**	**Physical Sciences**	**Life Sciences**	**Additional Subject 1**	**Additional Subject 2**
25	**5**	**4**	**Not accepted**	**4**	**4**	**4**	**4**

HS2.1.4 Pass requirements

1. Students are promoted:
   1.1. To full second-year status if they have passed all the first-year modules.
   1.2. To full third-year status if they have passed all the second-year modules.
2. Fourth-year registration depends on successful completion of the first-, second- and third-year modules.
3. Fifth-year registration depends on successful completion of all fourth-year modules.
4. Students must pass a minimum of 3 modules in the first year of study to qualify for readmission to the first year.
5. Students may enrol for a modules in the following year, provided that:
   5.1. They have passed the prerequisite modules.
   5.2. They have passed both the theory and practical final summative assessments in a module comprising a theory and a practical component.
6. Students retain credit for all modules passed.
7. Students must pass all components of the module to obtain credit for a module.
8. Students may not register for module combinations that lead to timetable clashes.
9. 100% attendance of and participation in the practical and clinical components are compulsory. If students fail to comply with this requirement, they will fail the practical component of that module and be required to repeat it.
10. If students fail any of the third or fourth year modules, they must repeat all the practical/clinical modules of the respective year. The practical and theoretical

components are assessed in an integrated manner, students will be therefore be required to repeat and pass the modules in entirety, as indicated in the relevant learner guide. If students fail to comply with this requirement, they may not be promoted to the following year of study.

11. If students fail any module in the fifth year, they must repeat all the practical/clinical modules (excluding the entrance OSCE). The practical and theoretical components are assessed in an integrated manner, students will therefore be required to repeat and pass the modules in entirety, as indicated in the relevant learner guide.
12. The pass mark for all clinical/practical modules is 60% from the third year of study.
13. Students will be required to complete a stipulated clinical component (in line with CHE and Professional Board requirements) prior to conferment of degree.
14. All students are required to complete a minor dissertation for conferment of the qualification which will be weighted as 50% of the M Tech year.

HS2.1.5 Student registration with the Professional Council

1. Students must register with the Allied Health Professions Council of South Africa at the beginning of each year of registration, at which time a fee is payable. It is the students' responsibility to ensure they are registered from the second year of study.
2. During the fourth year of study, students must successfully complete a First Aid course for which the Department will make provision. An additional levy will be charged. Students will subsequently be personally responsible for maintaining the validity of this course.
3. After graduation, students must apply to the Council for registration as a Chiropractor.
4. Full registration will only be granted after completion of a period of Community Service / Internship as determined by the Allied Health Professions Council of South Africa.

HS2.1.6 Curriculum

All modules are Continuous Evaluation modules.

First year		
Module name	**Module code**	**Prerequisite code**
Year modules		
Anatomy and Physiology 1	ANA11-1	See admission requirements
Chemistry 1 CH Theory	CET1YHT	
Chemistry 1 CH Practical	CET1YHP	
Physics 1A Theory	PHY1YFT	
Physics 1 Practical	PHY1YFP	
Biology 1	BIO111	
Principles and History of Chiropractic	WBG111A	
Social Studies	SHCZ111	

Second year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Immunology 2	GEPB212	None
Semester two		
Epidemiology 2	GEPA212	None
Biochemistry 2	HCB211	CET1YHT CET1YHP
Year modules		
Anatomy 2	ANA221	ANA11-1
Medical Microbiology	MCB2YMM	BIO111
Physiology 2	FIS211	ANA11-1
Third year		
Module name	**Module code**	**Prerequisite code**
Semester one		
General Pathology 2	GPA211	ANA221 HCB211 GEPA212 GEPB212 MCB2YMM FIS211
Semester two		
Systemic Pathology 3	HSP31-1	ANA221 HCB211 GEPA212 GEPB212 MCB2YMM FIS211 GPA211
Year modules		
Diagnostics 3	DIA311C	ANA221 HCB211 GEPA212 GEPB212 MCB2YMM FIS211
Psychopathology 2	HPP21-1	SHCZ111
Chiropractic Principles and Practice 3	PPC31-1	ANA221 HCB211 GEPA212 GEPB212 MCB2YMM FIS211

Auxiliary Therapeutics 3	HAT32-1	ANA221 FIS211 PHY1YFT PHY1YFP
Fourth year		
Module name	**Module code**	**Prerequisite code**
Year modules		
Diagnostics 4	DIA411C	For fourth year modules, all module for the first, second and third years.
Clinical Biomechanics and Kinesiology 4	CBK41-2	
First Aid Course (Level 3)	FAC111C	
Clinical Chiropractic 4	PCC41-1	
Research Methods and Techniques - Chiropractic	RESC411	
Radiology 4	RCP41-1	
Principles and Practice of Chiropractic 4	PPC42-1	
Fifth year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Practice Management and Jurisprudence	PMJ111C	For fifth year modules, all module for the first, second, third and fourth years.
Year modules		
Clinical Chiropractic 5	KCP511	
Principles and Practice of Chiropractic 5	MNP511	
Myofascial 5	CBK511A	
Biomechanics 5	CBK511B	
Minor Dissertation & Research: Chiropractic	RES367	

HS3.0 DEPARTMENT OF EMERGENCY MEDICAL CARE

HS3.1 DIPLOMA IN EMERGENCY MEDICAL CARE (D9E01Q)

Duration of programme:
Full time: 2 Years
NQF level 6

HS3.1.1 Purpose

This is a mid-level worker qualification within the Emergency Care profession. Successful completion leads to registration with the Health Professions Council of South Africa (HPCSA) as an Emergency Care Technician (ECT). The programme recognizes the key competences required by Emergency Care Technicians (ECTs) who

are able to work independently in a variety of contexts.
This qualification will be particularly useful for:

- Individuals wishing to enter the emergency care profession
- Existing Basic Ambulance Assistants (BAAs)
- Existing Ambulance Emergency Assistants (AEAs)
- Existing Critical Care Assistants (CCAs)
- Existing Operational Emergency Care Orderlies (OECOs)
- Existing Emergency Care Assistants (ECAs)

HS3.1.2 Outcomes

1. Communicate with patients, colleagues and other role players through oral, written and electronic media.
2. Promote awareness of primary and preventative health in self and among others.
3. Demonstrate understanding of the structure and function of Emergency Medical Service (EMS) system in South Africa and how the EMS relates to the broader health care structures within the country.
4. Demonstrate understanding and application of the principles of medical ethics, professional behaviour and the legal framework to the context within which the emergency care provider operates.
5. Maintain personal health, wellness and safety.
6. Demonstrate knowledge and understanding of clinical gross human anatomy.
7. Demonstrate understanding of fundamental human physiology and bioprocesses.
8. Demonstrate understanding of fundamental integrated sciences underpinning emergency care.
9. Provide emergency care independently and as part of team within and EMS environment.
10. Conduct patient assessment and make decisions that inform the treatment of minor injuries and ailments in specific non-emergent controlled circumstances.
11. Carry out operational routines within the Emergency Medical Services environment.
12. Perform medical rescue in selected contexts.

HS3.1.3 Rules of access and admission requirements

The minimum entry requirement is the National Senior Certificate with appropriate module combinations and levels of achievement as defined in the Minister's policy, Minimum Admission Requirements for Higher Certificate, Diploma and Bachelor's Degree Programmes Requiring a National Senior Certificate, Government Gazette, Vol. 482, 27961, 18 August 2005.

In addition to adherence to the University's student admission policy the Department has the following requirements:

1. The minimum admission requirement is a Senior Certificate with university exemption, or an equivalent (NQF Level 4) achievement, as determined by a status committee, with a minimum M Score of 14 with the following subject combinations and symbols:
   - 1.1 Biology or Physiology with at least a Higher Grade D or Standard Grade C symbol.
   - 1.2 Physical Science with at least a Higher Grade D or Standard Grade C symbol.
   - 1.3 Mathematics with at least a Higher Grade D or Standard Grade C symbol.

For applicants who obtained a Grade 12 during or after 2008:

A National Senior Certificate - APS Score with minimum requirements as shown below:
(Exclude Life Orientation when calculating APS)

Minimum APS	Language of teaching and Learning (English)	Mathematics	Mathematical Literacy	Physical Sciences	Life Sciences	Additional Subject 1	Additional Subject 2
26	**5**	**4**	**Not accepted**	**4**	**4**	**4**	**4**

Selection criteria

Selection will be based on:

- academic merit; APS or M scores
- a structured personal interview;
- a phobia evaluation;
- medical examination;
- physical fitness and swimming proficiency evaluation;
- an English proficiency evaluation;
- previous appropriate experience (a recommendation).

HS3.1.4 Pass requirements

1. In the case of the Emergency Care, credits for clinical practice (experiential learning), practical and theory Emergency Care modules are NOT retained unless all modules are passed during the same academic year.
2. Students may only enrol for modules in the second year of study if they have passed all of the first year modules.
3. Students are granted full second-year status if they have passed all of the first-year modules.
4. 100% attendance of all class and practical's is compulsory.
5. Physical training is compulsory and in order to gain entry into Medical rescue Modules, students must successfully complete the physical fitness and swimming proficiency evaluations.
6. In order to gain readmission to the programme first year students must pass a minimum of 60% of the first year modules.
7. Students may not register for the same module for a third time without permission from the Head of Department and Executive Dean.
8. Students have a maximum of four years to complete the qualification.

HS3.1.5 Practical Training (Clinical learning)

1 Students must, by the end of each year, complete the Clinical Learning requirements which are detailed in the relevant study guides in order to be granted a credit for the clinical practice modules.

2 Clinical practice is rostered at set periods during the academic year in conjunction with cooperative partners and cannot be personalised.

3 100% attendance of all rostered shifts is compulsory. Students who miss shifts due to illness or injury will be required make up the missed shifts prior to the end of the academic year if they are to be granted a credit for the practical training modules.

HS3.1.6 Specific rules and regulations for Emergency Medical Care students

1. Students must familiarize themselves with the internal rules and regulations of the Department of Emergency Medical Care. These rules and regulations, as set out in the Departmental policy document, are binding.

HS3.1.7 Curriculum

First Year			
Module name	**Module code**	**NQF credits**	**Prerequisite code**
Semester one			
Basic Sciences: Physics	PHB1AA1	6	
End User Computing	ENUC011	3	
Semester two			
Basic Sciences: Chemistry	CHB1BB1	6	
Mental Health and Wellness	MHAW011	6	
Year modules			
Emergency Medical Care 1 Theory	EMCTH11	24	
Emergency Medical Care 1 Practical	EMCPR11	12	
Clinical Practice 1	CLPR011	35	
Foundations of Professional Practice	FOPP011	12	
Anatomy 1	ANAT011	12	
Physiology 1	PHYS011	12	
Physical Preparedness 1	PHPR011	0	
Second Year			
Module name	**Module code**	**NQF credits**	**Prerequisite code**
Year modules			
Emergency Medical Care 2 Theory	EMCTH22	24	
Emergency Medical Care 2 Practical	EMCPR22	12	
Clinical Practice 2	CLPR022	.0	

Primary Health Care	PRHC022	12	
High Angle 1	HIAN022	12	
Fire Search & Rescue	FSAR022	12	
Motor Vehicle Rescue	MOVR022	12	
Physical Preparedness 2	PHPR022	0	

HS3.2 BACHELOR OF HEALTH SCIENCE IN EMERGENCY MEDICAL CARE (B9E01Q)

Duration of programme:
Full-time only
NQF level 8

HS3.2.1 Purpose

The purpose of this qualification is to develop an Emergency Care Practitioner competent in the clinical knowledge and skills required for the emergency medical care and medical recue profession.
The graduate will be able to competently apply an integration of theoretical principles, proven techniques, practical experience and appropriate clinical skills in order to:

- Provide an independent specialised emergency medical care and rescue service to all sectors of the community.
- Demonstrate skills in management and research working independently and in a supervisory capacity within emergency services and the healthcare team.
- Become a reflective practitioner and lifelong student within the emergency medical care profession.
- Successful completion of this qualification will entitle the student to register with the Health Professions Council of South Africa as an Emergency Care Practitioner.

HS3.2.2 Outcomes

1. Demonstrate effective communication and apply the principles of medical ethics, professional behaviour and the legal framework to the context within which emergency care practitioners operate while maintaining physical fitness, personal health, wellness and safety.
2. Provide and facilitate emergency medical care to all sectors of the community utilising specialised clinical strategies and technologies.
3. Perform medical rescue in a wide range of contexts.
4. Demonstrate knowledge and understanding of human and basic sciences underpinning emergency care.
5. Provide in-service training in emergency medical care and rescue.
6. Demonstrate an understanding of the structure and functioning of Emergency Medical Service (EMS) systems in South Africa including the provision of operational and clinical supervision within an emergency medical and rescue service.
7. Develop research skills, participate and conduct research in emergency medical care and rescue.

HS3.2.3 Rules of access and admission requirements

For applicants prior who obtained a Grade 12 prior to 2008:

1. A Senior Certificate with university exemption with a minimum M Score of 14 or an equivalent qualification at an equivalent standard, as determined by a Status

Committee, with 2 of the following modules:

1.1 Biology or Physiology with at least a Higher Grade D or Standard Grade C symbol.
1.2 Physical Science with at least a Higher Grade D or Standard Grade C symbol.
1.3 Mathematics with at least a Higher Grade D or Standard Grade C symbol.

For applicants who obtained a Grade 12 during or after 2008:

A National Senior Certificate - APS Score with minimum requirements as shown below: (Exclude Life Orientation when calculating APS)

Minimum APS	Language of teaching and Learning (English)	Mathematics	Mathematical Literacy	Physical Sciences	Life Sciences	Additional Subject 1	Additional Subject 2
26	**5**	**4**	**Not accepted**	**4**	**4**	**4**	**4**

Selection criteria

Selection will be based on:

- academic merit;
- a structured personal interview;
- a phobia evaluation;
- passing of a Class II Aviation medical examination;
- a physical fitness and swimming proficiency evaluation;
- completion of the National Benchmark Test.

Evidence of community service and or previous appropriate experience is a recommendation.

HS3.2.4 Pass requirements

1. Due to the integrated nature of certain modules, individual credits are NOT retained unless all are passed within the same academic year. This ruling applies to the following modules:

1st year	2nd year	3rd year	4th year
EMC01Y1	EMC01Y2	EMC01Y3	EMC01Y4
EMC02Y1	EMC02Y2	EMC02Y3	EMC02Y4
EMC03Y1	EMC03Y2	EMC03Y3	EMC03Y4
PFP01Y1	PFP02Y2	PFP03Y3	PFP04Y4

2. Students may enrol for a module in the following year, provided that:
   2.2.1 They have passed the prerequisite modules.
   2.2.2 The module selection does not lead to timetable clashes.
   2.2.3 In the case of Medical Rescue, the student has passed the fitness and swimming proficiency assessment.
3. First-year students must pass a minimum of 60% of the first year modules to qualify for readmission to the programme.
4. 100% attendance of all theory lecturers, practical, experiential or clinical components as well as tutorials is compulsory.
5. Students who fail to attend theory classes will be requested to provide in writing reasons for their non-attendance.

HS3.2.5 Clinical practice (Work integrated learning)

1 Students must, by the end of each year, complete the requirements which are detailed in the EMC 1, 2, 3 and 4 Study Guides.
2. Clinical Learning and rescue practical is integrated into the academic programme in conjunction with cooperative education and training partners, for this reason, shift rosters cannot be personalized.
3. Due to the nature of emergency medical care and rescue work students registering for this programme may be required to work after-hours, weekends and over religious holidays. We are regretfully unable to cater for individual requests not to work on certain days and times.

HS3.2.6 Specific rules and regulations for Emergency Medical Care students

1. Students must familiarize themselves with the internal rules and regulations of the Department of Emergency Medical Care. These rules and regulations, as set out in the Departmental policy document, are binding.
2. The programme is not offered as a limited contact or distance- learning programme. Students who elect to leave the country will be unable to continue with their studies.
3. All students (even if not registered for Clinical Practice within that academic year) are required to see a minimum number of patients each year as determined by the department whilst they are registered. This is a requirement to ensure that clinical competencies are retained.
4. All registered students are required to attend physical training sessions as rostered.
5. Students may not register for a third time for the same module.
6. Students are required to adhere to the requirements of the department relating to uniform and personal appearance.
7. Students have maximum of 6 years to complete the four-year degree.

HS3.2.7 Curriculum

First Year			
Module name	**Module code**	**NQF credits**	**Prerequisite code**
Semester one			
Computing Literacy	CSL01A1	6	
Basic Science: Physics	PHB1AA1	6	
Semester two			
Basic Science: Chemistry	CHB1BB1	6	
Mental Health and Wellness	MHW1BB1	6	
Year modules			
Emergency Medical Care 1 Theory	EMC01Y1	24	
Emergency Medical Care 1 Practical	EMC02Y1	12	
Clinical Practice 1	EMC03Y1	24	
Foundations of Professional Practice	FPP01Y1	12	
Anatomy 1	ANT01Y1	12	

Physiology 1	PHY01Y1	12	
Physical Preparedness 1	PFP01Y1	0	
Second Year			
Module name	**Module code**	**NQF credits**	**Prerequisite code**
Semester one			
Primary Health Care 2	PHC01B2	6	
Year modules			
Emergency Medical Care 2 Theory	EMC01Y2	12	EMC01Y1 EMC02Y1 EMC03Y1 PHY01Y1 CHB1BB1 ANT01Y1 MHW1BB1 CSL01A1 FPP01Y1 PHB1AA1
Emergency Medical Care 2 Practical	EMC02Y2	6	
Clinical Practice 2	EMC03Y2	24	
Diagnostics 1	EMC04Y2	12	
High Angle 1	HAR01Y2	12	EMC01Y1 EMC02Y1 EMC03Y1 PHY01Y1 CHB1BB1 PFP01Y1 PHB1AA1
Fire Search & Rescue 1	FSR01Y2	12	
Motor Vehicle Rescue	MVR01Y2	12	
Industrial & Agricultural Rescue	IAR01Y2	3	
Physiology 2	PHY02Y2	12	ANT01Y1 PHY01Y1
General Pathology 1	GPA01Y2	12	EMC01Y1 EMC02Y1 EMC03Y1 ANT01Y1 PHY01Y1
Physical Preparedness 2	PFP02Y2	0	PFP01Y1

Third Year			
Module name	**Module code**	**NQF credits**	**Prerequisite code**
Year Modules			
Emergency Medical Care 3 Theory	EMC01Y3	12	EMC01Y2 EMC02Y2 EMC03Y2 PHC01B2 PHY02Y2 GPA01Y2
Emergency Medical Care 3 Practical	EMC02Y3	24	
Clinical Practice 3	EMC03Y3	24	
High Angle 2	HAR02Y3	12	HAR01Y2 FSR01Y2 MVR01Y2 IAR01Y2 PFP02Y2 EMC01Y2 EMC02Y2 EMC03Y2
Wilderness Search and Rescue	WSR01Y3	12	
Aviation Rescue	AVR01Y3	3	
Aquatic Rescue	AQR01Y3	12	
Pharmacology 1	PHA01Y3	12	EMC01Y2 EMC02Y2 EMC03Y2 EMC04Y2 PHC01B2 PHY02Y2 GPA01Y2
Research Methodology EMC	RMT01Y3	12	EMC01Y2 EMC02Y2 EMC03Y3 EMC04Y4 GPA01Y2 PHY02Y2 PHC01B2
Physical Preparedness 3	PFP03Y3	0	PFP02Y2
Fourth Year			
Module name	**Module code**	**NQF credits**	**Prerequisite code**
Year modules			
Intensive and Specialized Care	EMC01Y4	12	EMC01Y3 EMC02Y3 EMC30Y3 PHA01Y3
Paediatric and Neonatal Emergency Care	EMC02Y4	12	
Clinical Practice 4	EMC03Y4	20	
Research Elective 4	REP01Y4	30	RMT01Y3 EMC01Y3

Educational Techniques	EDT01Y4	6	EMC01Y3 EMC02Y3 EMC03Y3
Emergency Service Administration	ESA01Y4	6	
Disaster Management	DIS01Y4	4	
Confined Space Rescue	CSR01Y4	10	HAR02Y3 WSR01Y3 AVR01Y3 AQR01Y3 PFP03Y3 EMC01Y3 EMC02Y3 EMC03Y3
Hazardous Materials Rescue	HAZ01Y4	6	
Trench Rescue	TRR01Y4	10	
Structural Collapse Rescue	SCR01Y4	10	
Physical Preparedness 4	PFP04Y4	0	PFP03Y3

HS3.3 MASTER OF EMERGENCY MEDICAL CARE (M9E01Q)

Duration of programme:
Full-time: Minimum 1 year and maximum 2 years
Part-time: Minimum 2 years and maximum 3 years
NQF level 9
Research dissertation 100%

HS3.3.1 Purpose

The primary purpose of this qualification is to provide qualifying students with the ability to:

1. Perform independent scientific research with an original component
2. Contribute to knowledge of and insight into emergency medical care as well as the specific discipline of research
3. Display skills in related research methodologies and in proper formulation through a Master's dissertation
4. Reflect upon decision-making, self-directedness and contributions to medical science.

HS3.3.2 Outcomes

The student will be able to:

1. Identify, formulate, prepare and solve research problems.
2. Execute the research project at the appropriate level.
3. Collect, organize, check, evaluate and write a proper literature review organizing the appropriate information in an understandable and logic manner.
4. Acquire learning abilities in the research context including the assessment of scientific literature, execution of research methodologies including the gathering of data and evaluating the information obtained.
5. Report research findings at the appropriate level.
6. Make conclusions, suggestions and recommendations based on the data collected that are reasonable and justifiable.

HS3.3.3 Rules of access and admission requirements

A 4 year Bachelor's Degree in Emergency Medical Care or an equivalent qualification at an equivalent standard as determined by a Status Committee and approved by the Faculty Board.

Selection criteria

Selection will be based on:

- Consideration of a draft proposal
- Prior academic performance
- Structured personal interview

HS3.3.4 Pass requirements

Students are assessed via submission of a dissertation in line with the Senate Higher Degrees Policy of the University

HS3.3.5 Curriculum

A research dissertation (180 Credits)

Module name	Module code
Semester one	
Research Dissertation: Emergency Medical Care	EMC9X01
Semester two	
Research Dissertation: Emergency Medical Care	EMC9X02

HS4.0 DEPARTMENT OF ENVIRONMENTAL HEALTH

HS4.1 BACHELOR OF ENVIRONMENTAL HEALTH (B9ENV1)

Duration of programme:
Full-time: 4 Years
NQF level 8

HS4.1.1 Purpose

The purpose of the BEH programme is to produce graduates who have a systematic and coherent body of knowledge to apply principles and practices of Environmental Health; the ability to access and evaluate scientific information and have a high level of analytical, cognitive and generic skills; To provide graduates opportunities for continued personal intellectual growth, advancing with postgraduate study, contributing to the social upliftment of society constructively; To provide society with graduates who demonstrate initiative and responsibility; be involve in science and research development; to transform the leadership base in South Africa and conduct themselves in a professional and ethical manner both in the workplace and society as required by the HPCSA.

HS4.1.2 Outcomes

1. Integrate and apply foundational, scientific principles and knowledge to Environmental Health sciences. [Range of scientific principles and knowledge includes, but is not limited to Chemistry, Microbiology, Physics, Mathematics, Ecology/Geology, Anatomy and Physiology (human and animal), Sociology and Anthropology;
2. Manage Environmental Health programmes that are not limited to environmental health risks, health impact assessments but rather on the prevention, promotion within natural,

socio-economic, built and working environments within the scope of the profession. [Range: manage refers to: design, develop, implement and evaluate];
3. Demonstrate project management skills within a project management life-cycle;
4. Conduct and participate in Environmental Health research.
5. Demonstrate interpersonal relations and professional behavior in terms of the ethical code.

HS4.1.3 Rules of access and admission requirements

1. The admission requirements for this programme will adhere to the University of Johannesburg's Policy for Admission and Selection which is current at the time of the inception of this programme.
2. A Senior Certificate or an equivalent qualification at an equivalent standard as determined by a Faculty Status Committee, with the following Subjects:
3. Mathematics at NQF Level 4: NSC achievement rating of (50-59%)
4. Life Sciences at NQF Level 4: NSC achievement rating of (50-59%)
5. Physical Science at NQF Level 4: NSC achievement rating of (50-59%).
6. Any other two (2) subjects at level 4

A National Senior Certificate - APS Score with minimum requirements as shown below:
(Exclude Life Orientation when calculating APS)

Minimum APS	**Language of teaching and Learning (English)**	**Mathematics**	**Mathematical Literacy**	**Physical Sciences**	**Life Sciences**	**Additional Subject 1**	**Additional Subject 2**
24 with Mathematics	**4**	**4**	**Not accepted**	**4**	**4**	**4**	**4**

HS4.1.4 Curriculum

First year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Biochemistry	BICH1A1	
Sociology	SOC1AA1	
Sustainability Development & Ecology	SDEEH01	
Introduction to Environmental Health	ITENV01	
Computer Literacy	ESTB111	

Year modules		
Chemistry	CETH1Y1	
Physics	PHBH1Y1	
Anatomy & Physiology	APENV01	
Microbiology	MCBH1Y1	
Applied Communication Skills	COM1001	
Second year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Research Methodology: Module A	RMENVA2	SOC1AA1
Year modules		
Planning for Built Environment	PFBEE02	SDEEH01
Food & Meat Hygiene	FMHEH02	APENV01 MCBH1Y1
Infectious Disease Epidemiology	IDEEH02	MCBH1Y1
Community Development 1	CDENV02	COM1001 SOC1AA1
Environmental Pollution: Water, Waste and Air	EPWWA02	SDEEH01 ITENV01
Occupational Health and Safety Physical Stresses	OHSPS02	CETH1Y1 PHBH1Y1 APENV01

Third year		
Module name	**Module code**	**Prerequisite code**
Year modules		
Research Methodology: Biostatistics	RMBEHB3	RMENVA2
Environmental Epidemiology	EEENV03	IDEEH02
Environmental Health Management and Administration	EHMAA03	CDENV02
Food Processing and Safety	FPSEH03	FMHEH02
Occupational Health and Safety: Chemical/Biological	OHSCB03	OHSPS02
Water Quality and Waste Management	WQAWM03	EPWWA02
Fourth year		
Module name	**Module code**	**Prerequisite code**
Year modules		
Air Quality Management	AQMEH04	WQAWM03
Disaster Management	DMENV04	FPSEH03
Management Practice	MPENV04	EHMAA03
Environmental Management (NEMA & EMI)	EMNME04	OHSCB03 WQAWM03
Occupational Health and Safety Management Systems	OHSMS04	OHSCB03
Research Project	RPENV04	RMBEHB3
Water Quality and Waste Management	WQAWM04	WQAWM03

HS4.2 BACCALAUREUS TECHNOLOGIAE: ENVIRONMENTAL HEALTH (609-1)

Duration of programme:
Full-time: 1 Year
Part-time: 2 Years
NQF level 6

HS4.2.1 Purpose

Students qualifying for this qualification will be able to implement the principles of risk assessment and management in order to improve the health of the community and contribute to sustainable development. They will be able to evaluate the effectiveness and efficiency of control measures in order to make necessary improvements. In addition they will be able to apply research skills and interpret and apply legislation, regulations and policies related to environmental health and to advise/educate role players on specific issues. The EHP will function as a member of a multi-disciplinary team of health professional in accordance with the scope of profession. As such this person will be able to communicate effectively, foster entrepreneurship, uphold professional an environmental health ethics and manage human, financial and physical resources within their scope of practice.

HS4.2.2 Outcomes

1. Manage environmental health risks within the natural, socio-economic, built and working environments within the scope of profession.
2. Demonstrate interpersonal relations, professional conduct and in terms of the ethical code.
3. Manage environmental health promotion programmes.
4. Manage environmental health services.
5. Conduct and participate in environmental health research.
6. Demonstrate project management skills.

HS4.2.3 Rules of access and admission requirements

A National Diploma: Environmental Health or an equivalent qualification at an equivalent standard as determined by a Status Committee.

Selection criteria

A National Diploma in Environmental Health and academic merit. A minimum of 60% is required in the NDip programme.

HS4.2.4 Pass requirements

Refer to the Academic Regulations of the University of Johannesburg.

HS4.2.5 Curriculum

Module name	**Module code**	**Prerequisite code**
Year modules		
Research Methods and Techniques: Environmental Health 4	RESE411	See rules of access and admission requirements
Management Practice 4	EMP21-1	
Environmental Waste Management 4	EWM411	
Occupational Health and Safety 4	OHS43-1	

HS4.3 MAGISTER TECHNOLOGIAE: ENVIRONMENTAL HEALTH (841-1)

Duration of programme:
Full-time: Minimum 1 year and maximum 2 years
Part-time: Minimum 2 years and maximum 3 years
NQF level 8
Research dissertation 100%

HS4.3.1 Purpose

To provide students with the skills to conduct independent research through advanced problem solving skills, and the application of critical and reflective thinking in the field of Environmental health.

HS4.3.2 Outcomes

The student will be able to apply research, problem-solving, analytical, critical thinking and reflective skills to perform research and compile a research dissertation in a chosen field of specialisation.

HS4.3.3 Rules of access and admission requirements

A BTech: Environmental Health with an average of 65% or an equivalent qualification at an equivalent standard as determined by a Status Committee and approved by the Faculty Board.

Selection criteria

Selection is based on approval by the Faculty's Research Committee.

HS4.3.4 Pass requirements

Refer to the Academic Regulations of the University of Johannesburg.

HS4.3.5 Curriculum

A research project and a dissertation:

Module name	**Module code**
Semester one	
Dissertation and Research Project: Environmental Health	RES8411
Semester two	
Dissertation and Research Project: Environmental Health	RES8412

HS4.4 MASTER OF PUBLIC HEALTH (M9EN1Q)

Duration of programme:
Part-time: Minimum 2 years and maximum 3 years
NQF level 9
Course work 50% and minor dissertation 50%

HS4.4.1 Purpose

The purpose of the programme is to qualify health professionals who at the end of the programme will have been empowered to analyse, strategise and offer solutions to challenges faced by Sub-Saharan countries including South Africa with respects to Environmental and Occupational threats and risks

HS4.4.2 Outcomes

On completion of this programme students will be able to:

1. Contextualise Public Health within the region and relevant countries' health systems, with specific focus on environmental and occupational health.
2. Conduct health risk assessments and to enumerate, understand, mitigate and manage these risks.
3. Develop relevant epidemiology and research methodologies for local, regional environmental and occupational health risks.
4. Develop a knowledge of related health economies.
5. Unpack environmental and occupational disasters that have local and regional relevance as learning opportunities in primary, secondary and tertiary prevention situations.
6. Take strategic decisions within the context of environmental and occupational health domains.

HS4.4.3 Rules of access and admission requirements

The minimum admission requirement is a Bachelor's Degree at NQF 8 in a related Health Field e.g Environmental Health, Epidemiology. Applications from persons with equivalent qualifications will be considered by a constituted status committee in line with the University's and Faculty's regulations.

Selection criteria

Selection is based on approval by the Faculty and programme co-ordinator. The selection of Master's students will be done in accordance with rules and regulations of the Higher Degrees Committee of the University of Johannesburg as stipulated for inter-disciplinary programmes.

HS4.4.4 Pass requirements

Successful completion of the course work modules and minor dissertation. The MPH will only be offered on a part time basis over 2 years minimum and 4 years maximum.

HS4.4.5 Curriculum

First year	
Module name	**Module code**
Semester one	
Principle and Practice of Environmental Health	PPE01X1
Environmental Epidemiology, Biostatistics and Research Methodologies	EEB01X1
Semester two	
Health Promotion and Health Behaviour	HPB01X1
Environmental Health Risk and Impact Assessment	EHR01X1
Emerging National and Continental Environmental Health Challenges	ENC01X1
Second year	
Module name	**Module code**
Year modules	
Mini-Dissertation: Public Health	EMD01X2
Semester one	
African Health System, Health and Environmental Politics and Management	AHS01X2
Health Systems, Funding Modules and Health Economics	HSF01X2

HS4.5 DOCTOR TECHNOLOGIAE: ENVIRONMENTAL HEALTH (907-1)

Duration of programme:
Full-time: Minimum 2 years and maximum 3 years
Part-time: Minimum 3 years and maximum 4 years
NQF level 9
Research thesis 100%

HS4.5.1 Purpose

To provide students with the skills to apply a high level of problem solving skills, and the application of critical and reflective thinking at the most advanced academic level culminating in the production of a thesis in the field of Environmental health.

HS4.5.2 Outcomes

The student will be able to apply high level problem solving; critical thinking, reflective and research skills in order to perform original research and compile a research report in a specialised area.

HS4.5.3 Rules of access and admission requirements

An MTech: Environmental Health or an equivalent qualification at an equivalent standard as determined by a Status Committee and approved by the Faculty Board.

Selection criteria

Selection is based on approval by the Department's Research Committee.

HS4.5.4 Pass requirements

Refer to the Academic Regulations of the University of Johannesburg.

HS4.5.5 Curriculum

A research project and a thesis:

Module name	Module code
Semester one	
Research Project and Thesis: Environmental Health	RES9071
Semester two	
Research Project and Thesis: Environmental Health	RES9072

HS5.0 DEPARTMENT OF HOMOEOPATHY

HS5.1 MAGISTER TECHNOLOGIAE: HOMOEOPATHY (368)

Duration of programme:
Full-time: 5 Years
NQF level 8
Course work 50% and minor dissertation 50%

(Students start with a three year National Diploma (357-1) followed by a one year BTech (508-1) degree for administrative purposes. The qualification will only be awarded after the successful completion of the MTech degree. Only the final year of registration is on masters' level).

HS5.1.1 Purpose

The purpose of this qualification is to provide the qualifying student (Homoeopathic practitioner) with the necessary knowledge, skills and competencies required to successfully consult, diagnose, treat, communicate holistic advice to and manage patients. They will fulfil these competencies within their function as primary contact practitioners, according to the scope of practice of a Homoeopath. In addition they will be competent to compound, dispense and prescribe homoeopathic medicines.

HS5.1.2 Outcomes

On completion of this programme the homoeopathic practitioner will be competent to practice as a healthcare provider within the community. The graduate will be eligible to register with the Allied Health Professions Council of South Africa.

HS5.1.3 Rules of access and admission requirements

A Senior Certificate with matriculation exemption, or an equivalent qualification at an equivalent standard as determined by a Status Committee, with the following:
Two of the following subjects:

1. Mathematics with at least a Higher Grade D or Standard Grade C symbol.
2. Physical Science with at least Higher Grade D or Standard Grade C symbol.
3. Biology with at least Higher Grade D or Standard Grade C symbol.

M-Score: 14

or

A National Senior Certificate - APS Score with minimum requirements as shown below:

Minimum APS	**Language of teaching and Learning (English)**	**Mathematics**	**Mathematical Literacy**	**Physical Sciences**	**Life Sciences**	**Additional Subject 1**	**Additional Subject 2**
25	**5**	**4**	**Not accepted**	**4**	**4**	**4**	**4**

Selection criteria

Selection is based on:

1. Academic merit (M-Score: 14 or minimum APS 25)
2. A personal interview.
3. Letters of recommendation from at least 2 practising doctors of Homoeopathy.
4. Letter of recommendation from the Homoeopathic Clinic, Health Training Centre, UJ.
5. Completion of a homoeopathy assignment.

HS5.1.4 Pass requirements

1. Students are promoted:
   a. To full second-year status if they have passed all the first-year modules.
   b. To full third-year status if they have passed all the second-year modules.
2. The pass mark for all clinical/practical modules is 60% from the third year of study.
3. Students must pass a minimum of 3 modules in the first year of study to qualify for readmission to the first year.
4. Students may enrol for a module in the following year, provided that:
   a. They have passed the prerequisite module.
   b. They have passed both the theory and practical final summative assessments in a module comprising a theory and a practical component.
5. Students retain credit for all modules passed.
6. Students must pass all components of the module(s) to obtain credit for the module(s).
7. Students may no register for module combinations that lead to timetable clashes.
8. 100% attendance of and participation in the practical and clinical components are compulsory. If students fail to comply with this requirement, they may fail the practical component of that module and be required to repeat it.
9. If students fail any third or fourth year module(s), they must repeat all the practical/clinical modules of the respective year. The practical and theoretical

components are assessed in an integrated manner and students will therefore be required to repeat and pass the module(s) in entirety, as indicated in the relevant learner guide. If students fail to comply with this requirement, they may not be promoted to the following year of study.

10. If students fail any module(s) in the fifth year, they must repeat all the practical/clinical modules (excluding the entrance OSCE). The practical and theoretical components are assessed in an integrated manner and students will therefore be required to repeat and pass the module(s) in entirety, as indicated in the relevant learner guide.
11. Students will be required to complete a stipulated clinical component (in line with CHE and Professional Board requirements) prior to conferment of degree. All students are required to complete a research minor dissertation for conferment of the qualification which will be weighted as 50% of the Masters year.

HS5.1.5 Curriculum

First year		
Module name	**Module code**	**Prerequisite code**
Year modules		
Anatomy and Physiology 1	ANA11-1	See admission requirements.
Chemistry 1 CH Theory	CET1YHT	
Chemistry 1 CH Practical	CET1YHP	
Physics 1A Theory	PHY1YFT	
Physics 1 Practical	PHY1YFP	
Biology 1	BIO111	
Philosophy Principles and History 1	WBG11-1	
Social Studies	SHCZ111	
Second year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Immunology 2	GEPB212	
Semester two		
Epidemiology 2	GEPA212	
Biochemistry 2	HCB211	CET1YHT CET1YHP

Year modules		
Anatomy 2	ANA221	ÀNA11-1
Medical Microbiology	MCB2YMM	BIO111
Physiology 2	FIS211	ANA11-1
Materia Medica 2	HMMA311	WBG11-1
Third year		
Module name	**Module code**	**Prerequisite code**
Semester one		
General Pathology 2	GPA211	ANA221 FIS211 GEPA212 GEPB212 HCB211 MCB2YMM
Semester two		
Systemic Pathology 3	HSP31-1	GPA211 ANA221 HCB211 GEPA212 GEPB212 MCB2YMM FIS211
Year modules		
Diagnostics 3	DIA311H	ANA221 HCB211 GEPA212 GEPB212 MCB2YMM FIS211
Psychopathology 2	HPP21-1	SHCZ111 HMMA311
Materia Medica 3	HMM311	ANA221 HCB211 GEPA212 GEPB212 MCB2YMM FIS211 HMMA311 PHY1YFT PHY1YFP
Auxiliary Therapeutics 3	HAT31-1	WBG11-1 HMMA311

Fourth year		
Module name	**Module code**	**Prerequisite code**
Year modules		
First Aid Course (Level 3)	FAC111H	For fourth year modules, all modules for the first, second and third years.
Diagnostics 4	DIA411H	
Clinical Homoeopathy 4	KHP411	
Homoeopharmaceutics 4	HMF41-1	
Materia Medica 4	HMM411	
Research Methods and Techniques Homoeopathy	RESH411	
Fifth year		
Module name	**Module code**	**Prerequisite code**
Semester one		For fifth year modules, all module for the first, second, third and fourth years.
Practice Management and Jurisprudence	PMJ111H	
Year modules		
Clinical Homoeopathy 5	PHC511	
Materia Medica 5	PMM511	
Minor Dissertation and Research: Homoeopathy	RES368	

HS5.2 **DOCTOR TECHNOLOGIAE: HOMOEOPATHY (908)**
Duration of programme:
Full-time: 2 Years
Part-time: 3 Years
Maximum: 5 Years
NQF level 9
Research thesis 100%

HS5.2.1 Purpose

The purpose of this qualification is to provide the qualifying student with advanced analytical problem-solving and reflective competencies as a homoeopathic practitioner, and to act as a leader within the homoeopathic research field. This will be achieved by making an original contribution to the knowledge content of homoeopathy through independent research.

HS5.2.2 Outcomes

On completion of this programme the homoeopathic practitioner will be competent to conduct, present/publish and supervise accredited homoeopathic research, as an expert within the field.

HS5.2.3 Rules of access and admission requirements

An MTech: Homoeopathy or an equivalent qualification at an equivalent standard as determined by a Status Committee and approved by the Faculty Board.
Selection criteria

Selection is based on approval by the Faculty's Research Committee.

HS5.2.4 Pass requirements

Refer to the Academic Regulations of the University of Johannesburg.

HS5.2.5 Curriculum

A research project and a thesis:

Module name	Module code
Semester one	
Research Project and Thesis: Homoeopathy	RES9081
Semester two	
Research Project and Thesis: Homoeopathy	RES9082

HS6.0 DEPARTMENT OF MEDICAL IMAGING AND RADIATION SCIENCES (MIRS)

HS6.1 BACHELOR OF DIAGNOSTIC RADIOGRAPHY (B9M01Q)

Duration of programme:
Full time only: 4 Years
NQF level 8
Work integrated learning (WIL) is incorporated into the employment contract with the respective clinical training centre.

HS6.1.1 Purpose

The purpose of the qualification is to develop a competent professional, who has thorough grounding in the knowledge and skills required for Diagnostic Radiography and who has gained experience in applying such knowledge and skills in accredited workplaces.

Successful completion of this qualification will entitle the student to register with the Health Professions Council of South Africa (HPCSA) as a Diagnostic Radiographer.

HS6.1.2 Outcomes

After completion of the programme, the student will be able to:

1. Perform routine and specialized radiographic procedures to produce images of diagnostic quality.
2. Access, organize and present information applicable to the radiography context in order to record, retrieve and communicate patient data.
3. Evaluate the quality of routine and specialized radiographic images and perform image interpretation to identify normal and abnormal appearances.
4. Plan, develop and apply total quality management appropriate to the diagnostic radiography context.

5. Perform safe and effective patient care in accordance with the patient's needs and departmental protocol to provide a quality service and to maintain the welfare of the patient.
6. Apply the principles of human rights, ethics and relevant medical law which ensure the well-being of the patient.
7. Apply the principles, specific knowledge, skills and values related to one of the chosen electives as listed.
8. Conduct research.

HS6.1.3 Rules of access and admission requirements

A Senior Certificate or an equivalent qualification at an equivalent standard as determined by a Faculty Status Committee, with the following Subjects:

- Mathematics with a higher Grade D or standard grade C symbol.
- Physical Science with a higher grade D or standard grade C symbol and
- Biology with a higher grade D or standard grade C symbol or
- Physiology with a higher grade D or standard grade C symbol.

A minimum M-score of 13 is required with a University Exemption.

or

A National Senior Certificate - APS Score with minimum requirements as shown below:
(Exclude Life Orientation when calculating APS)

Minimum APS	**Language of teaching and learning (English)**	**Mathematics**	**Mathematical Literacy**	**Life Sciences**	**Physical Sciences**	**Additional Subject 1**	**Additional Subject 2**
27 with Mathematics 29 with Mathematical Literacy	**5**	**4**	**6**	**5***	**4***	**4**	**4**

* The applicant must have either Life Sciences or Physical Sciences, or both.

NB:

- **Academic merit will take precedence, therefore preference will be given to applicants who have Mathematics, Life Sciences and Physical Science.**
- **A level 3 would be accepted for <u>either</u> the 1 other recognized / official South African language <u>or</u> the 1 other subject from group B provided all other criteria are met.**

HS6.1.4 Pass requirements

1. Student retain credits for all modules passed except where requirement 2 applies;
2. If a student fails any module in any level of study, he/she forfeits the credits for the Diagnostic Clinical Practice Module for that level of study but retain credits for all other modules passed;
3. Students may enrol for a module in the following year of study provided that they have passed the prerequisite module/s;
4. Students may not register for module combinations that lead to timetable clashes. The Department will make the final decision as to the modules for which the student may register.

5. Students are promoted:
   5.1 to the second year of study if they have passed all the first-year modules;
   5.2 to the third year of study if they have passed all the second-year modules;
   5.3 to the fourth year of study if they have passed all the third-year modules.
6 To be admitted to any module in the second or third academic year of study, and progress to the following year of study, students must have passed at least 60% of the modules in the previous year of study;
7 Students must pass at least 3 out of the 6 modules in the first year of study in order to qualify for readmission to the first year of study;
8 A range of assessment strategies and weightings, as laid out in the relevant module's learning guide, explains the continuous assessment criteria specified for promotion to the next year of study.

HS6.1.5 Specific rules and regulations for Medical Imaging and Radiation Sciences students

1. Students must familiarize themselves with the internal rules and regulations of the Department of Medical Imaging and Radiation Sciences. These rules and regulations, as set out in the Departmental policy document, are binding.
2. The programme is not offered as a limited contact or distance learning programme. Students who elect to leave the country will be unable to continue with their studies.
3. All students are required to complete a minimum number of clinical hours / competencies as stipulated by the HPCSA at the time.

HS6.1.6 Curriculum

First year		
Module name	**Module code**	**Prerequisite code**
Year Modules		See admission requirements
Anatomy and Physiology 1	ANP01Y1	
Applied Physics	APP01Y1	
Diagnostic Clinical Practice 1	DCP01Y1	
Diagnostic Practice 1	DIP01Y1	
Imaging Technology 1	IMT01Y1	
Professional Practice	PRP01Y1	
Pathology	PTY01Y1	
Second year		
Module name	**Module code**	**Prerequisite code**
Year modules		
Anatomy and Physiology 2	ANP01Y2	ANP01Y1 PTY01Y1
Diagnostic Clinical Practice 2	DCP01Y2	DIP01Y1 DCP01Y1
Diagnostic Practice 2	DIP01Y2	DIP01Y1 DCP01Y1

Imaging Technology 2	IMT01Y2	IMT01Y1 APP01Y1
Professional Practice and Research Principles	PRR01Y2	PRP01Y1
Third year		
Module name	**Module code**	**Prerequisite code**
Year Modules		
Diagnostic Clinical Practice 3	DCP01Y3	DIP01Y2 DCP01Y2
Diagnostic Practice 3	DIP01Y3	DIP01Y2 DCP01Y2
Management Principles and Practice	MPP01Y3	
Research Methods	REM01Y3	PRR01Y2
Specialized Diagnostic Practice 3	SDP01Y3	DIP01Y2 DCP01Y2
Fourth Year		
Module name	**Module code**	**Prerequisite code**
Year Modules		
Diagnostic Clinical Practice 4	DCP01Y4	DIP01Y3 DCP01Y3
Diagnostic Practice 4	DIP01Y4	DIP01Y3 DCP01Y3
Radiographic Management Strategies	RMS01Y4	MPP01Y3
Research Project 4	RPR01Y4	REM01Y3
Specialized Diagnostic Practice 4	SDP01Y4	SDP01Y3 DIP01Y3 DCP01Y3

Choose one of the following elective module		
Advances in Magnetic Resonance	AMR01Y4	SDP01Y3 DIP01Y3 DCP01Y3
OR		
Education in Health	EIH01Y4	SDP01Y3 DIP01Y3 DCP01Y3
OR		
Entrepreneurship	ENT01Y4	SDP01Y3 DIP01Y3 DCP01Y3

HS6.2 BACHELOR OF DIAGNOSTIC ULTRASOUND (B9M03Q)

Duration of programme:
Full time only: 4 Years
NQF level 8
Work integrated learning (WIL) is incorporated into the employment contract with the respective clinical training centre.

HS6.2.1 Purpose

The purpose of the qualification is to develop a competent professional, who has a thorough knowledge and the skills required for the profession of Diagnostic Ultrasound and who has gained experience in applying such knowledge and skills in accredited workplaces.

Successful completion of this qualification will entitle the student to register with the Health Professions Council of South Africa (HPCSA) as a Sonographer.

HS6.2.2 Outcomes

After completion of the programme, the student will be able to:

1. Demonstrate the knowledge of natural and life sciences and pathology that enables application in the clinical field.
2. Assess and perform patient care in a manner which ensures that the patient's welfare is maintained.
3. Apply the principles of human rights, ethics and medical law which ensure the well-being of the patient.
4. Perform the sonographic protocols and procedures to produce optimum quality images in the specified areas of diagnostic ultrasound.
5. Critically assess the sonographic images and apply pattern recognition to determine aberrant appearances in keeping with pathology.
6. Apply the ultrasound specific measures which ensure that the health and safety of patients, self and colleagues are maintained.
7. Plan, develop and apply total quality management appropriate to the sonographic context.
8. Demonstrate research skills and foster a research climate in Ultrasound imaging.

HS6.2.3 Rules of access and admission requirements

A Senior Certificate or an equivalent qualification at an equivalent standard as determined by a Faculty Status Committee, with the following Subjects:

- Mathematics with a higher Grade D or standard grade C symbol.
- Physical Science with a higher grade D or standard grade C symbol and
- Biology with a higher grade D or standard grade C symbol or
- Physiology with a higher grade D or standard grade C symbol.

A minimum M-score of 13 is required with a University Exemption.

or

National Senior Certificate (NSC) - APS Score with minimum requirements as shown below:

Minimum APS	**Language of teaching and learning (English)**	**Mathematics**	**Mathematical Literacy**	**Life Sciences**	**Physical Sciences**	**Additional Subject 1**	**Additional Subject 2**
27 with Mathematics 29 with Mathematical Literacy	**5**	**4**	**6**	**5***	**4***	**4**	**4**

* The applicant must have either Life Sciences or Physical Sciences, or both.

NB:

- **Academic merit will take precedence, therefore preference will be given to applicants who have Mathematics, Life Sciences and Physical Science.**
- **A level 3 would be accepted for <u>either</u> the 1 other recognized / official South African language <u>or</u> the 1 other subject from group B provided all other criteria are met.**

HS6.2.4 Pass requirements

1. Student retain credits for all modules passed except where requirement 2 applies;
2. If a student fails any module in any level of study, he/she forfeits the credits for the Diagnostic Ultrasound Clinical Practice Module for that level of study but retain credits for all other modules passed;
3. Students may enrol for a module in the following year of study provided that they have passed the prerequisite module/s;
4. Students may not register for module combinations that lead to timetable clashes. The Department will make the final decision as to the modules for which the student may register.
5. Students are promoted:
   5.1 to the second year of study if they have passed all the first-year modules;
   5.2 to the third year of study if they have passed all the second-year modules;
   5.3 to the fourth year of study if they have passed all the third-year modules.
6 To be admitted to any module in the second or third academic year of study, and progress to the following year of study, students must have passed at least 60% of the modules in the previous year of study;
7 Students must pass at least 3 out of the 6 modules in the first year of study in order to qualify for readmission to the first year of study;

8 A range of assessment strategies and weightings, as laid out in the relevant module's learning guide, explains the continuous assessment criteria specified for promotion to the next year of study.

HS6.2.5 Specific rules and regulations for Medical Imaging and Radiation Sciences students

1 Students must familiarize themselves with the internal rules and regulations of the Department of Medical Imaging and Radiation Sciences. These rules and regulations, as set out in the Departmental policy document, are binding.
2 The programme is not offered as a limited contact or distance learning programme. Students who elect to leave the country will be unable to continue with their studies.
3 All students are required to complete a minimum number of clinical hours / competencies as stipulated by the HPCSA at the time.

HS6.2.6 Curriculum

First year		
Module name	**Module code**	**Prerequisite code**
Year Modules		See admission requirements
Anatomy and Physiology 1	ANP01Y1	
Applied Physics	APP01Y1	
Imaging Technology 1	IMT02Y1	
Professional Practice	PRP01Y1	
Pathology	PTY01Y1	
Ultrasound Clinical Practice 1	UCP01Y1	
Ultrasound Practice 1	USP01Y1	
Second year		
Module name	**Module code**	**Prerequisite code**
Year modules		
Anatomy and Physiology 2	ANP01Y2	ANP01Y1 PTY01Y1
Professional Practice and Research Principles	PRR01Y2	PRP01Y1 USP01Y1 UCP01Y1
Ultrasound Clinical Practice 2	UCP01Y2	USP01Y1 UCP01Y1 PRP01Y1
Ultrasound Physics Instrumentation	UPI01Y2	IMT02Y1 APP01Y1
Ultrasound Practice 2	USP01Y2	USP01Y1 UCP01Y1 PRP01Y1

Third year		
Module name	**Module code**	**Prerequisite code**
Year Modules		
Applied Psychology	APY01Y3	PRR01Y2
Management Principles and Practice	MPP01Y3	
Research Methods	REM01Y3	PRR01Y2
Specialized Ultrasound	SUS01Y3	USP01Y2 UPI01Y2
Ultrasound Clinical Practice 3	UCP01Y3	USP01Y2 UCP01Y2 PRR01Y2
Ultrasound Practice 3	USP01Y3	USP01Y2 UCP01Y2 PRR01Y2
Fourth Year		
Module name	**Module code**	**Prerequisite code**
Year Modules		
Radiographic Management	RGM01Y4	MPP01Y3
Research Project 4	RPR01Y4	REM01Y3
Specialized Ultrasound	SUS01Y4	USP01Y3 UCP01Y3 SUS01Y3
Ultrasound Clinical Practice 4	UCP01Y4	USP01Y3 UCP01Y3
Ultrasound Practice 4	USP01Y4	USP01Y3 UCP01Y3
Choose one of the following elective module		
Advances in Ultrasound	AUT01Y4	USP01Y3 UCP01Y3 SUS01Y3
OR		
Education in Health	EIH01Y4	USP01Y3 UCP01Y3 SUS01Y3

OR		
Entrepreneurship	ENT01Y4	USP01Y3 UCP01Y3 SUS01Y3

HS6.3 BACHELOR OF NUCLEAR MEDICINE TECHNOLOGY (B9M02Q)

Duration of programme:
Full time only: 4 Years
NQF level 8
Work integrated learning (WIL) is incorporated into the employment contract with the respective clinical training centre.

HS6.3.1 Purpose

The purpose of the qualification is to develop a competent professional nuclear medicine technologist who has thorough grounding in the knowledge and skills required for Nuclear Medicine Technology and who has gained experience in the application of such knowledge and skills in accredited workplaces.

Successful completion of this qualification will entitle the student to register with the Health Professions Council of South Africa (HPCSA) as a Nuclear Medicine Technologist.

HS6.3.2 Outcomes

After completion of the programme, the student will be able to:

1. Apply principles of human rights, ethics and relevant medical law to ensure the well-being of the patient.
2. Perform a range of conventional and specialized nuclear medicine imaging procedures in order to facilitate diagnosis and treatment of the patient.
3. Operate and ensure quality functioning of all nuclear medicine instrumentation to provide the best diagnostic capability of the instruments.
4. Function in a type 'B' radiopharmacy laboratory to safely dispense radiopharmaceuticals for nuclear medicine imaging procedures.
5. Perform a range of in-vitro and in-vivo non-imaging nuclear medicine procedures in a type 'C' radiopharmacy laboratory.
6. Assure quality of all aspects of a nuclear medicine investigation and the service provided.
7. Plan, develop and apply total quality management appropriate to the nuclear medicine context.
8. Demonstrate research skills and foster a research climate in nuclear medicine.
9. Apply the principles, specific knowledge, skills and values related to the chosen elective subject.

HS6.3.3 Rules of access and admission requirements

A Senior Certificate or an equivalent qualification at an equivalent standard as determined by a Faculty Status Committee, with the following Subjects:

- Mathematics with a higher Grade D or standard grade C symbol.
- Physical Science with a higher grade D or standard grade C symbol and
- Biology with a higher grade D or standard grade C symbol or
- Physiology with a higher grade D or standard grade C symbol.

A minimum M-score of 13 is required with a University Exemption.

or

A National Senior Certificate - APS Score with minimum requirements as shown below:
(Exclude Life Orientation when calculating APS)

Minimum APS	Language of teaching and learning (English)	Mathematics	Mathematical Literacy	Life Sciences	Physical Sciences	Additional Subject 1	Additional Subject 2
27 with Mathematics 29 with Mathematical Literacy	**5**	**4**	**6**	**5***	**4***	**4**	**4**

* The applicant must have either Life Sciences or Physical Sciences, or both.

NB:

- **Academic merit will take precedence, therefore preference will be given to applicants who have Mathematics, Life Sciences and Physical Science.**
- **A level 3 would be accepted for <u>either</u> the 1 other recognized / official South African language <u>or</u> the 1 other subject from group B provided all other criteria are met.**

HS6.3.4 Pass requirements

1. Student retain credits for all modules passed except where requirement 2 applies;
2. If a student fails any module in any level of study, he/she forfeits the credits for the Nuclear Medicine Clinical Practice Module for that level of study but retain credits for all other modules passed;
3. Students may enrol for a module in the following year of study provided that they have passed the prerequisite module/s;
4. Students may not register for module combinations that lead to timetable clashes. The Department will make the final decision as to the modules for which the student may register.
5. Students are promoted:
   5.1 to the second year of study if they have passed all the first-year modules;
   5.2 to the third year of study if they have passed all the second-year modules;
   5.3 to the fourth year of study if they have passed all the third-year modules.
6 To be admitted to any module in the second or third academic year of study, and progress to the following year of study, students must have passed at least 60% of the modules in the previous year of study;
7 Students must pass at least 3 out of the 6 modules in the first year of study in order to qualify for readmission to the first year of study;
8 A range of assessment strategies and weightings, as laid out in the relevant module's learning guide, explains the continuous assessment criteria specified for promotion to the next year of study.

HS6.3.5 Specific rules and regulations for Medical Imaging and Radiation Sciences students

1. Students must familiarize themselves with the internal rules and regulations of the Department of Medical Imaging and Radiation Sciences. These rules and regulations, as set out in the Departmental policy document, are binding.
2. The programme is not offered as a limited contact or distance learning programme. Students who elect to leave the country will be unable to continue with their studies.
3. All students are required to complete a minimum number of clinical hours / competencies as stipulated by the HPCSA at the time.

HS6.3.6 Curriculum

First year		
Module name	**Module code**	**Prerequisite code**
Year Modules		See admission requirements
Anatomy and Physiology 1	ANP01Y1	
Applied Physics	APP01Y1	
Nuclear Medicine Clinical Practice 1	NCP01Y1	
Nuclear Medicine Practice 1	NMP01Y1	
Professional Practice	PRP01Y1	
Pathology	PTY01Y1	
Radiopharmacy 1	RPY01Y1	
Second year		
Module name	**Module code**	**Prerequisite code**
Year modules		
Anatomy and Physiology 2	ANP01Y2	ANP01Y1 PTY01Y1
Nuclear Medicine Clinical Practice 2	NCP01Y2	NMP01Y1 NCP01Y1 RPY01Y1
Nuclear Medicine Instrumentation	NMI01Y2	NMP01Y1 NCP01Y1 RPY01Y1
Nuclear Medicine Practice 2	NMP01Y2	NMP01Y1 NCP01Y1 RPY01Y1
Professional Practice and Research Principles	PRR01Y2	PRP01Y1
Radiopharmacy 2	RPY01Y2	RPY01Y1

Third year		
Module name	**Module code**	**Prerequisite code**
Year Modules		
Management Principles and Practice	MPP01Y3	
Nuclear Medicine Clinical Practice 3	NCP01Y3	NMP01Y2 NCP01Y2 RPY01Y2
Nuclear Medicine Practice 3	NMP01Y3	NMP01Y2 NCP01Y2 RPY01Y2
Research Methods	REM01Y3	PRR01Y2
Radiopharmacy 3	RPY01Y3	RPY01Y2 NMI01Y2
Therapeutics	THR01Y3	RPY01Y2 NMI01Y2
Fourth Year		
Module name	**Module code**	**Prerequisite code**
Year Modules		
Nuclear Medicine Clinical Practice 4	NCP01Y4	NMP01Y3 NCP01Y3 RPY01Y3
Nuclear Medicine Practice 4	NMP01Y4	NMP01Y3 NCP01Y3 RPY01Y3
Radiographic Management	RGM01Y4	MPP01Y3
Research Project 4	RPR01Y4	REM01Y3
Radiopharmacy 4	RPY01Y4	RDY01Y3

Choose one of the following module:		
Advanced practice in hybrid imaging systems	AHI01Y4	NMP01Y3 NCP01Y3
OR		
Education in Health	EIH01Y4	NMP01Y3 NCP01Y3
OR		
Entrepreneurship	ENT01Y4	NMP01Y3 NCP01Y3

HS6.4 BACHELOR OF RADIATION THERAPY (B9M04Q)

Duration of programme:
Full time only: 4 Years
NQF level 8
Work integrated learning (WIL) is incorporated into the employment contract with the respective clinical training centre.

HS6.4.1 Purpose

The purpose of the qualification is to develop a professional radiation therapist who is competent in the knowledge and skills required for Radiation Therapy and has gained experience in applying such knowledge and skills in accredited workplaces.

Successful completion of this qualification will entitle the student to register with the Health Professions Council of South Africa (HPCSA) as a Radiation Therapist.

HS6.4.2 Outcomes

After completion of the programme, the student will be able to:

1. Apply the principles of human rights, ethics and relevant medical law which ensure the well-being of the patient.
2. Demonstrate a critical understanding and application of quality assurance and radiation protection in a Radiation Therapy division.
3. Apply scientific knowledge and technical skills to perform radiation oncology laboratory techniques and procedures.
4. Perform radiotherapy procedures competently to ensure optimal radiation localization and immobilization for radiation treatment.
5. Perform radiotherapy procedures competently to ensure optimal treatment planning.
6. Apply scientific knowledge and professional skills to perform therapeutic procedures for accurate delivery of the radiation treatment prescribed.
7. Plan, develop and apply total quality management appropriate to the radiation therapy context.
8. Demonstrate research skills and foster a research climate in radiation therapy.
9. Apply the principles, specific knowledge, skills and values related to the chosen elective subject.

HS6.4.3 Rules of access and admission requirements

A Senior Certificate or an equivalent qualification at an equivalent standard as determined by a Faculty Status Committee, with the following Subjects:

- Mathematics with a higher Grade D or standard grade C symbol.

- Physical Science with a higher grade D or standard grade C symbol and
- Biology with a higher grade D or standard grade C symbol or
- Physiology with a higher grade D or standard grade C symbol.

A minimum M-score of 13 is required with a University Exemption.

or

National Senior Certificate (NSC) - APS Score with minimum requirements as shown below:

Minimum APS	**Language of teaching and learning (English)**	**Mathematics**	**Mathematical Literacy**	**Life Sciences**	**Physical Sciences**	**Additional Subject 1**	**Additional Subject 2**
27 with Mathematics 29 with Mathematical Literacy	**5**	**4**	**6**	**5***	**4***	**4**	**4**

* The applicant must have either Life Sciences or Physical Sciences, or both.

NB:

- **Academic merit will take precedence, therefore preference will be given to applicants who have Mathematics, Life Sciences and Physical Science.**
- **A level 3 would be accepted for <u>either</u> the 1 other recognized / official South African language <u>or</u> the 1 other subject from group B provided all other criteria are met.**

HS6.4.4 Pass requirements

1. Student retain credits for all modules passed except where requirement 2 applies;
2. If a student fails any module in any level of study, he/she forfeits the credits for the Radiation Therapy Clinical Practice Module for that level of study but retain credits for all other modules passed;
3. Students may enrol for a module in the following year of study provided that they have passed the prerequisite module/s;
4. Students may not register for module combinations that lead to timetable clashes. The Department will make the final decision as to the modules for which the student may register.
5. Students are promoted:
   5.1 to the second year of study if they have passed all the first-year modules;
   5.2 to the third year of study if they have passed all the second-year modules;
   5.3 to the fourth year of study if they have passed all the third-year modules.
6 To be admitted to any module in the second or third academic year of study, and progress to the following year of study, students must have passed at least 60% of the modules in the previous year of study;
7 Students must pass at least 3 out of the 6 modules in the first year of study in order to qualify for readmission to the first year of study;
8 A range of assessment strategies and weightings, as laid out in the relevant module's learning guide, explains the continuous assessment criteria specified for promotion to the next year of study.

HS6.4.5 Specific rules and regulations for Medical Imaging and Radiation Sciences students

1. Students must familiarize themselves with the internal rules and regulations of the Department of Medical Imaging and Radiation Sciences. These rules and regulations, as set out in the Departmental policy document, are binding.
2. The programme is not offered as a limited contact or distance learning programme. Students who elect to leave the country will be unable to continue with their studies.
3. All students are required to complete a minimum number of clinical hours / competencies as stipulated by the HPCSA at the time.

HS6.4.6 Curriculum

First year		
Module name	**Module code**	**Prerequisite code**
Year Modules		See admission requirements
Anatomy and Physiology 1	ANP01Y1	
Applied Physics	APP01Y1	
Personal Practice	PRP01Y1	
Pathology	PTY01Y1	
Radiation Therapy Clinical 1	RTC01Y1	
Radiation Therapy Practice 1	RTP01Y1	
Treatment Planning & Dosimetry 1	TPD01Y1	
Second year		
Module name	**Module code**	**Prerequisite code**
Year modules		
Anatomy and Physiology 2	ANP01Y2	ANP01Y1 PTY01Y1
Professional Practice and Research Principles	PRR01Y2	PRP01Y1
Radiation Therapy Clinical 2	RTC01Y2	RTP01Y1 RTC01Y1
Radiation Therapy Practice 2	RTP01Y2	RTP01Y1 RTC01Y1
Treatment Planning & Dosimetry 2	TPD01Y2	TPD01Y1

Third year		
Module name	**Module code**	**Prerequisite code**
Year Modules		
Applied Psychology	APY01Y3	PRR01Y2
Management Principles and Practice	MPP01Y3	
Research Methods	REM01Y3	PRR01Y2
Radiation Therapy Clinical 3	RTC01Y3	RTP01Y2 RTC01Y2
Radiation Therapy Practice 3	RTP01Y3	RTP01Y2 RTC01Y2
Treatment Planning & Dosimetry 4	TPD01Y3	TPD01Y2
Fourth Year		
Module name	**Module code**	**Prerequisite code**
Year Modules		
Radiographic Management	RGM01Y4	MPP01Y3
Research Project 4	RPR01Y4	REM01Y3
Radiation Therapy Clinical 4	RTC01Y4	RTP01Y3 RTC01Y3
Radiation Therapy Practice 4	RTP01Y4	RTP01Y3 RTC01Y3
Treatment Planning & Dosimetry 4	TPD01Y4	TPD01Y3
Choose one of the following elective module		
Advanced practice in hybrid imaging systems	AHI01Y4	RTP01Y3 RTC01Y3
OR		
Education in Health	EIH01Y4	RTP01Y3 RTC01Y3
OR		
Paediatric Radiation Oncology	PRO01Y4	RTP01Y3 RTC01Y3

HS6.5 BACCALAUREUS TECHNOLOGIAE: RADIOGRAPHY: DIAGNOSTIC (523-1)

Duration of programme:
Part-time: 2 Years (Two full days per month)
Full-time: 1 Year (Four full days per month)
Note: Some lectures will be offered on a Saturday.
NQF level 7

HS6.5.1 Purpose

The purpose of the qualification is to develop a graduate, competent in the knowledge and skills required for the profession of Diagnostic Radiography. This qualification enables the student to competently analyse, integrate and apply scientific, theoretical and clinical knowledge combined with practical experience in order to perform advanced and specialised radiographic procedures and to solve abstract problems in Diagnostic Radiography. They will also be able to apply management and research skills, access information and work independently in a supervisory capacity.

HS6.5.2 Outcomes

After completion of this programme the student will be able to:

1. Perform routine, advanced and specialised radiographic procedures, using the latest technology.
2. Evaluate the quality of routine and specialised radiographic images and perform image interpretation in order to identify normal and abnormal appearances.
3. Perform safe and compassionate patient care to ensure that a quality service is provided and the welfare of the patient is maintained.
4. Apply Health and Safety regulations, human rights and ethics in the performance of radiography to ensure personal and public safety.
5. Apply management principles applicable to an X-ray department in order to manage resources in such a way as to provide and maintain a quality, professional service.
6. Evaluate the merits of new developments and apply them when applicable.
7. Demonstrate research skills and foster a research climate in diagnostic radiography.

HS6.5.3 Rules of access and admission requirements

1. A National Diploma: Radiography, or an equivalent qualification at an equivalent standard as determined by a Status Committee.
2. Applicants holding a two-year Diploma in Radiography must apply for status for admission to the B.Tech Degree.
3. Two years' experience in Clinical Diagnostic Radiography is recommended.

Selection criteria

Selection is based on academic merit (>60% average at diploma level).

HS6.5.4 Pass requirements

1. Students retain credit for all modules passed.
2. A range of assessment strategies and weightings, as laid out in the relevant learning guides, will explain continuous assessment criteria for promotion to the next year of study.

HS6.5.5 Curriculum

Module name	Module code	Prerequisite code
Year modules		
Management Principles and Practice 4	BBM441	See rules of access and admission requirements
Research Methods and Techniques 4	RESR411	
Diagnostic Imaging Techniques 4	RPP441A	
Diagnostic Management Strategies 4	RPP441B	

HS6.6 BACCALAUREUS TECHNOLOGIAE: RADIOGRAPHY: NUCLEAR MEDICINE (524-1)

Duration of programme:
Part-time: (Attendance is on a block system over one or two years if the applicant holds a NDip Radiography in Nuclear Medicine)
Full-time: (Attendance is on a block system over two years)
Work integrated learning (WIL) is incorporated into the employment contract with the respective clinical training centre.
NQF level 6

HS6.6.1 Purpose

The purpose of this qualification is to develop a graduate who has a thorough grounding in the knowledge and a skill required for the profession of Nuclear Medicine Technology and has gained experience in applying the knowledge and skills in the appropriate workplace context.

This qualification enables graduates to competently apply an integrated theory, principles, proven techniques, research, practical experience and appropriate skills to the solution of well-defined and abstract problems in the selected field of Nuclear Medicine. The graduate should be a reflective practitioner and life-long learner in his or her profession in order to benefit the community and society.

HS6.6.2 Outcomes

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

1. Perform a range of conventional and specialised nuclear medicine imaging procedures in order to facilitate the diagnosis, treatment and management of the patient.
2. Provide and facilitate holistic patient care responsibly, ethically and effectively according to the patient's needs in order to ensure a comprehensive nuclear medicine service.
3. Operate and assure quality function of all nuclear medicine instrumentation in order to provide optimum diagnostic capabilities of these instruments.
4. Function fully in a type "B" radiopharmacy radio pharmacy laboratory in order to safely dispense radiopharmaceuticals for nuclear medicine imaging procedures.
5. Function effectively in a type "C" radiopharmacy radio pharmacy laboratory to perform radiopharmaceutical preparations and maintenance of the radio pharmacy.
6. Function effectively as part of a team in performing therapeutic nuclear medicine procedures.
7. Administer and manage self, human, technical and other resources within the nuclear medicine environment in order to provide a safe environment and assure a quality nuclear medicine service.
8. Demonstrate a broad understanding in the application and assessment of existing

knowledge, specialised and advanced imaging technologies coupled with scientific applications and professional growth in practicing nuclear medicine.

HS6.6.3 Rules of access and admission requirements

1. A National Diploma: Radiography: Nuclear Medicine, or an equivalent qualification at an equivalent standard as determined by a Status Committee.
2. Applicants holding a two-year Diploma in Radiography must apply for status for admission to the B Tech Degree.
3. Applicants registering for the B Tech: Radiography: Nuclear Medicine as a second category must hold a National Diploma: Radiography or an equivalent qualification at an equivalent standard as determined by a Status Committee.

Selection criteria

Selection is based on academic merit (>60% average at diploma level) and a structured personal interview.

HS6.6.4 Pass requirements

1. Students retain credit for all modules passed.
2. A range of assessment strategies and weightings, as laid out in the relevant learning guides, will explain continuous assessment criteria for promotion to the next year of study.
3. A student holding a National Diploma in a different category of Radiography (e.g. Diagnostic) may carry the module marked with a § symbol to level 4, but may only register for Management Principles and Practice & Research Methods and Techniques Radiography. In addition the student must have passed Clinical Radiographic Practice II in the N Dip Nuclear Medicine.

HS6.6.5 Curriculum

Part-time: (Students entering with a National Diploma: Radiography: Nuclear Medicine)		
Module name	**Module code**	**Prerequisite code**
Management Principles and Practice 4	BBM441	All N Dip: Nuclear Medicine modules.
Research Methods and Techniques Radiography	RESR411	
Specialised Imaging and Therapeutics	NRP411A	
Radiopharmacy	NRP411B	
Full-time: (Students entering with a National Diploma in a different category of Radiography e.g. Diagnostic)		
First year		
Module name	**Module code**	**Prerequisite code**
Clinical Radiographic Practice 2 (Nuclear Medicine)	NMP211	
Nuclear Instrumentation (Nuclear Medicine)	NMI311	
Radiographic Practice 3 (Nuclear Medicine)	NRP311	
Radiopharmacy 3 (Nuclear Medicine)	RPN311	

Second year		
Module name	**Module code**	**Prerequisite code**
Management Principles and Practice 4	BBM441	NRP311 NMP211 NMI311 RPN311
Clinical Radiographic Practice 3 (Nuclear Medicine)	NMP311	NMP211 NRP311 NMI311 RPN311
Research Methods and Techniques Radiography	RESR411	NMP211 NRP311 NMI311 RPN311
Specialised Imaging and Therapeutics	NRP411A	NMP211 NRP311 NMI311 RPN311
Radio Pharmacy	NRP411B	NMP211 NRP311 NMI311 RPN311

HS6.7 BACCALAUREUS TECHNOLOGIAE: RADIOGRAPHY: THERAPY (525-1)

Duration of programme:
Part-time: 2 Years (Two full days per month)
Full-time: 1 Year (Four full days per month)
Note: Some lectures may be offered on a Saturday
NQF level 7

HS6.7.1 Purpose

The purpose of the qualification is to develop a student, competent in the knowledge and skills required for a management position in the profession of Radiation Therapy. This qualification enables the student to critically analyse latest developments in radiotherapy in order to develop and review radiotherapy protocols.

HS6.7.2 Outcomes

After completion of this programme the student will be able to:

1. Apply a detailed knowledge of advanced radiotherapy treatment planning and specialised techniques in order to adapt to changes in the dynamic field of radiation oncology and participate in the development and review of radiotherapy protocols.
2. Apply management principles applicable to a radiotherapy health care facility in order to manage resources in such a way as to provide and maintain a quality, professional service to oncology patients.
3. Evaluate the merits of new developments and apply them when applicable to the radiotherapy setting.
4. Participate in and conduct research relevant to the Health Care setting.

HS6.7.3 Rules of access and admission requirements

1. A National Diploma: Radiography: Therapy, or an equivalent qualification at an equivalent standard as determined by a Status Committee.
2. Applicants holding a two-year Diploma in Radiography must apply for status for admission to the B Tech Degree.

Selection criteria

Selection is based on academic merit (>60% average at diploma level)

HS6.7.4 Pass requirements

1. Students retain credit for maximum of 7 years all modules passed.
2. Students may not register for module combinations that lead to timetable clashes.
3. A range of assessment strategies and weightings as laid out in the relevant learning guide, will explain continuous assessment criteria for promotion to the next year of study.

HS6.7.5 Curriculum

Module name	**Module code**	**Prerequisite code**
Year modules		
Management Principles and Practice 4	BBM441	All National Diploma: Therapy modules
Research Methods and Techniques 4	RESR411	
Treatment Planning and Specialised Techniques 4	RPT411A	
Oncological Management Strategies 4	RPT411B	

HS6.8 BACCALAUREUS TECHNOLOGIAE: RADIOGRAPHY: ULTRASOUND (526-1)

Duration of programme:
Part-time Attendance is on a block system over one year if the applicant holds an N Dip Radiography Ultrasound
Full-time: Attendance is on a block system over two years
Work integrated learning (WIL) is incorporated into the employment contract with the respective clinical training centre.
NQF level 7

HS6.8.1 Purpose

The purpose of the qualification is to develop a graduate competent in the knowledge and skills required for the profession of Diagnostic Ultrasound and who has gained experience in applying such knowledge and skills in the appropriate workplace context Management, problem solving and research skills will also be demonstrated allowing the holder of this qualification to work independently and in a supervisory capacity within the health care team. The outcomes achieved will allow the student to practice his/her skills to the benefit of the community and to share their skills and knowledge with other students and peers. Successful completion of this qualification will enable the student to be registered by the relevant Professional Council as a graduate in the field of Diagnostic Ultrasound.

HS6.8.2 Outcomes

After completion of the programme, the student will be able to:

1. Integrate scientific knowledge and skills to competently perform the sonographic protocols and procedures for the production of optimum quality images in the specified areas of diagnostic ultrasound.
2. Assess the sonographic images for diagnostic and technical quality and apply pattern recognition in order to determine aberrant appearances in keeping with pathology.
3. Critically assess and perform responsible and effective patient care to ensure that the patient's welfare is monitored and maintained.
4. Apply all necessary health and safety principles, human rights, ethics and medical law which ensure the safety of patients, self and colleagues.
5. Plan, develop and apply total quality management as it pertains to equipment, human resources, quality assurance and health care needs.
6. Demonstrate research skills and foster a research climate in diagnostic ultrasound imaging.

HS6.8.3 Rules of access and admission requirements

1. A National Diploma: Radiography: Ultrasound, or an equivalent qualification at an equivalent standard as determined by a Status Committee.
2. Applicants holding a two-year Diploma in Radiography must apply for status for admission to the B Tech Degree.
3. Applicants registering for the B Tech: Radiography: Ultrasound as a second category must hold a National Diploma: Radiography or an equivalent qualification at an equivalent standard as determined by a Status Committee.

Selection criteria

Selection is based on academic merit (>60% average at diploma level) and interview (if required).

HS6.8.4 Pass requirements

1. Students retain credit for all modules passed.
2. Students holding a National Diploma in a different category of Radiography (e.g. Diagnostic) may carry the modules marked with the § symbol to Level 4, but they may only register for Management Principles and Practice, and Research Methods and Techniques. In addition, students must have passed Clinical Radiographic Practice II (Ultrasound) in the National Diploma: Ultrasound.
3. A range of assessment strategies and weightings as laid out in the relevant learning guide, will explain continuous assessment criteria for promotion to the next year of study.

HS6.8.5 Curriculum

Part-time: Students entering with a National Diploma: Radiography: Ultrasound		
Module name	**Module code**	**Prerequisite code**
Management Principles and Practice 1	BBM441	All National Diploma: Ultrasound modules
Research Methods and Techniques Radiography	RESR411	
Ultrasound Protocols and Practice 4	UKP411A	
Ultrasound Management Strategies 4	UKP411B	
Full-time: Students entering with a National Diploma in a different category of Radiography e.g. Diagnostic)		
First year		
Module name	**Module code**	**Prerequisite code**
Clinical Radiographic Practice 2 (Ultrasound)	USP211	
Radiographic Practice 3 (Ultrasound)	UKP311	
Ultrasound Physics and Equipment	UPE311	
Second year		
Module name	**Module code**	**Prerequisite code**
Ultrasound Protocols and Practice 4	UKP411A	USP211 UKP311 UPE311
Ultrasound Management Strategies 4	UKP411B	
Clinical Radiographic Practice 3 (Ultrasound)	USP311	USP211 UKP311 UPE311
Research Methods and Techniques	RESR411	USP211 UKP311 UPE311
Management Principles and Practice	BBM441	USP211 UKP311 UPE311

HS6.9 MAGISTER TECHNOLOGIAE: RADIOGRAPHY (532-1)

Duration of programme:
Full-time: Minimum 1 year and maximum 2 years
Part-time: Minimum 2 years and maximum 3 years
NQF level 8
Research dissertation 100%

HS6.9.1 Purpose

This qualification is intended for persons who will make a contribution to knowledge generation, through independent research. Graduates in this programme will display advanced problem solving skills, critical and reflective thinking during the research process and present their findings in a report which meets the accepted criteria and principles of the profession. The research problem, its justification, process and outcome is reported in dissertation which complies with the generally accepted norms for research at that level. In this way it will make a contribution to the existing body of knowledge for radiography ranging from fundamental concepts to advance theoretical or applied knowledge which will develop and advance the profession of Radiography.

HS6.9.2 Outcomes

Apply research, problem-solving, analytical and critical thinking and reflective skills to perform research and compile a research dissertation/report in their chosen field of specialisation.

HS6.9.3 Rules of access and admission requirements

BTech Radiography or equivalent qualification with an average of 65%. Selection is based on approval by the Faculty's Research Committee.

HS6.9.4 Pass requirements

Refer to the Academic Regulations of the University of Johannesburg.

HS6.9.5 Curriculum

Module	Module code
Semester one	
Dissertation and Research Project: Radiography	RES5321
Semester two	
Dissertation and Research Project: Radiography	RES5322

HS6.10 DOCTOR TECHNOLOGIAE: RADIOGRAPHY (533-1)

Duration of programme:
Full-time: Minimum 2 years and maximum 3 years
Part-time: Minimum 3 years and maximum 4 years
NQF level 8
Research thesis 100%

HS6.10.1 Purpose

The student who successfully completes this qualification will be able to apply higher level problem solving skills and critical, reflective thinking at the most advanced academic levels culminating in the production of a thesis which meets the accepted criteria and ethical principles of the academic institution. In this way they will make an original and meaningful contribution to the existing body of knowledge for science and technology and supervise lower level research students.

HS6.10.2 Outcomes

Apply high level problem solving, critical thinking, reflective and research skills in order to perform original research and compile a research report/thesis in a specialised field of technology/radiography.

HS6.10.3 Rules of access and admission requirements

An MTech: Radiography or an equivalent qualification with an average of 65% or at an equivalent standard as determined by the Status Committee and approved by the Faculty Board. Selection is based on approval by the Faculty's Research Committee.

HS6.10.4 Pass requirements

Refer to the Academic Regulations of the University of Johannesburg.

HS6.10.5 Curriculum

Module	Module code
Semester one	
Research Project and Thesis: Radiography	RES5331
Semester two	
Research Project and Thesis: Radiography	RES5332

HS7.0 DEPARTMENT OF NURSING

HS7.1 BACCALAUREUS CURATIONIS (BCU001)

Duration of programme:
Full-time: 4 Years
NQF level 7

HS7.1.1 Purpose

The primary purpose of this qualification is to develop the intellectual and practical competencies of the qualifying student and to facilitate her/his professional values to promote the health of the individual, family, group and community as a beginner professional nursing practitioner and generalist nurse clinician and midwife and as a member of the health team through her/his clinical, managerial, educational and research skills. The qualification serves as a foundation for further learning. This qualification shall lead to registration as a nurse (general, psychiatric, community and midwife) with SANC.

HS7.1.2 Outcome

1. Apply and execute the scientific principles of comprehensive nursing/midwifery care as a general, community, psychiatric nurse and midwife.
2. Apply and justify the principle of research and science-based problem-solving.

HS7.1.3 Rules of access and admission requirements

At entrance level, the prospective student should hold a Further Education Certificate (level 4), with full exemption.
Owing to the limited number of clinical learning facilities, the following two additional selection criteria shall also apply:

Minimum APS	**Language of teaching and learning (English)**	**Mathematics**	**Mathematical Literacy**	**Physical Sciences**	**Life Sciences**	**Additional Subject 1**	**Additional Subject 2**
27 with Mathematics	**5**	**4**	**Not acceptable**	**4**	**4**	**4**	**4**

Specific selection criteria for this programme.:

1. Be registered as a Student Nurse with SANC (South African Nursing Council: Regulatory body)

Note:

Admission requirements for clinical/practical examinations: students should comply with the clinical/practical formative assessment requirements and the completion of the specified clinical/practical assignments/workbooks/timesheets. Students should demonstrate the achievement of the formative clinical / practical outcomes. The rules and regulations stipulated in the BCur policy will apply and are binding.

HS7.1.4 Pass requirements

The following are applicable, apart from the specific module entrance requirements:
A range of assessment strategies and outcomes as stipulated in the relevant learner guide will apply for promotion to the next level year of study.
To register for the next year of study the student must pass at least 60% and prerequisite modules of the modules from the preceding year curriculum. The theoretical and clinical modules both has to be passed to proceed to the next year of study.

HS7.1.5 Curriculum

First year		
Module name	**Module code**	**Prerequisite**
Semester one		
Fundamental Nursing Science 1A Module1	FVK1A10	
Sociology 1A	SOS1A11	
Psychology 1A	PSY1A11	
Human Anatomy 1A: Module 1: (1A10) Module 2: (1A20)	 HAN1A10 HAN1A20	
Human Physiology 1A Module 1: (1A10) Module 2: (1A20)	 HPH1A10 HPH1A20	
Semester two		
Fundamental Nursing Science 1A Module 2 & 3	FVK1A20	
Psychology 1B	PSY1B21	PSY1A11
Human Anatomy 1 B: Module 3: (1B10) Module 4: (1B20)	 HAN1B10 HAN1B20	
Human Physiology 1A Module 1: (1B10) Module 2: (1B20)	 HPH1B10 HPH1B20	
Communication Nursing Science: Module 1& 2	KVP0001	
Second year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Fundamental Nursing Science 2A Module 1 & 2 Module 3	 FVK2A10 FVK2A30	 FVK1A10 FVK1A20
Basic Pharmacology in Nursing: Module 1	FAV0001	
Sociology 2A	SOS2A11	
Psychology 2A (Developmental Psych)	PSY2A11	PSY1A11 PSY1B21

Human Physiology 2A Module 1: (2A10) Module 2: (2A20)	 HPH2A10 HPH2A20	 HPH1A10, HPH1A20 HPH1B10, HPH1B20
Semester two		
Fundamental Nursing Science 2B Module 4 & 5 Module 6	 FVK2B40 FVK2B60	 FVK1A10 FVK1A20
Human Physiology 2B Module 3: (2B10) Module 4: (2B20)	 HPH2B10 HPH2B20	 HPH1A10, HPH1A20 HPH1B10, HPH1B20
Sociology 2B	SOS2B21	
Basic Pharmacology in Nursing: Module 2	 FAV0002	
Third year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Nursing Science 1 Module 1 & 2 Module 3 & 4 Module 5 & 6 Module 7 & 8	 VPK1A10 VPK1B50 VPK1C50 VPK1D70	FVK1A10, FVK1A20 FVK2A10, FVK2A30, FVK2B40, FVK2B60, HPH1A10, HPH1A20, HPH1B10, HPH1B20 HPH2A10, HPH2A20, HPH2B10, HPH2B20, FAV0001 & FAV0002 (Module1&2)
Semester two		
Nursing Science 2 Module 1 & 2 Module 3 & 4 Module 5 & 6 Module 7 Module 8	 VPK2A10 VPK2B30 VPK2C50 VPK2D70 VPK2D80	 VPK1A10 VPK1B50 VPK1C50 VPK1D70
Fourth year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Nursing Science 3 Module 1 & 2 Module 3 & 4 Module 5 & 6 Module 7	 VPK3A10 VPK3B30 VPK3C50 VPK3D70	 VPK1A10, VPK1B50 VPK1C50, VPK1D70 VPK2A10, VPK2B30 VPK2C50, VPK2D70 VPK2D80
Semester two		
Nursing Science 4 Module 1 & 2 Module 3 & 4 Module 5 & 6 Module 7 Module 8	 VPK4A10 VPK4B30 VPK4C50 VPK4D70 VPK4D80	VPK1A10, VPK1B50 VPK1C50, VPK1D70 VPK2A10, VPK2B30 VPK2C50, VPK2D70 VPK2D80, VPK3A10, VPK3B30, VPK3C50, VPK3D70

HS7.2 FURTHER NATIONAL HIGHER DIPLOMA: ADVANCED MIDWIFERY AND NEONATAL NURSING SCIENCE (FND001)

Duration of programme:
Full-time: 2 Years
NQF level 6

HS7.2.1 Purpose

The primary purpose of this qualification is to provide the qualifying student (the professional nursing practitioner) with the further development of her/his intellectual, practical and reflective competencies/abilities (knowledge, skills, attitudes and values) as an advanced midwife and neonatal nurse (clinical nurse specialist) to promote the health of the individual, family, group and community as an active member of the intersectoral, multi-professional and multi-disciplinary health teams. This qualification shall lead to registration as a post-basic advanced midwife and neonatal nurse with the SANC.

HS7.2.2 Outcome

1. Apply, execute the scientific principles of advanced clinical nursing practice (in the elective clinical field).
2. Advanced monitoring of the medication programme and appropriate adjustment thereof.

HS7.2.3 Rules of access and admission requirements

Entrance level

A minimum of 360 approved credits (level 6) shall be required for admission to this programme, together with proof of registration as a general nurse and midwife with the SANC.

or

A Diploma in Nursing Science (three-year diploma at level 6, with a minimum of 360 approved credits), and proof of registration as a general nurse and midwife with the SANC.

Additional professional requirements

The student must be appointed in a full-time clinical post at a University of Johannesburg approved and a SANC accredited health service/organization for the duration of the clinical modules (commencing on registration, until successful completion), in accordance with the regulatory requirements of the SANC.

On commencement of the programme, the student must furnish proof of:

1. Registration/licensing with the SANC on commencement of each academic year.
2. Admission to a clinical training facility approved by the SANC for University of Johannesburg.
3. Her/his professional indemnity; and
4. A signed agreement from the unit manager and preceptor for the practical component.

Note:

Admission requirement for clinical/practical examinations: students should comply with the clinical/practical formative assessment requirements and the completion of the specified clinical/practical assignment/workbooks/timesheets. Students should demonstrate the achievement of the formative clinical/practical outcomes.

HS7.2.4 Pass requirements

An approved period for completion of a diploma (2 years full-time) and degree (3 years full-time) exists. All students should complete their **practical modules within two years** after the period for completion of their programme.
Refer to the Academic Regulations of the University of Johannesburg.

HS7.2.5 Curriculum

First year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Professional Nursing Science 1A	PNS01A1	
Post-Basic Pharmacology in Nursing 1A	FAR02A2	
Semester two		
Post-Basic Pharmacology in Nursing 1B	FAR02B2	
Second year		
Module name	**Module code**	**Prerequisite code**
Year modules		
Advanced Midwifery and Neonatal Nursing Modules 1 & 2	VNV2017	
Advanced Midwifery and Neonatal Nursing Modules 3 & 4	VNV2037	
Advanced Midwifery and Neonatal Nursing Modules 5 & 6	VNV2057	
Advanced Midwifery and Neonatal Nursing Module 7	VNV2077	
Advanced Midwifery and Neonatal Nursing Module 8	VNV2087	

HS7.3 FURTHER NATIONAL HIGHER DIPLOMA: COMMUNITY HEALTH NURSING SCIENCE (FND006)

Duration of programme:
Full-time: 2 Years
NQF level 6

HS7.3.1 Purpose

The primary purpose of this qualification is to provide the qualifying student (the professional nursing practitioner) with the further development of her/his intellectual, practical and reflective competencies/abilities (knowledge, skills, attitudes and values) as a clinical community nursing practitioner (clinical nurse specialist) to promote the health of the individual, family, group and community as an active member of the intersectoral, multi-professional and multidisciplinary health teams.

HS7.3.2 Outcome

1. Apply, execute the scientific principles of advanced clinical nursing practice (in the elective clinical field).
2. Advanced monitoring of the medication programme and appropriate adjustment thereof.

HS7.3.3 Rules of access and admission requirements Entrance level

A minimum of 360 approved credits (level 6) are required for admission to this programme, together with current proof of registration with SANC as a general nurse and midwife.

or

A diploma in Nursing Science (three year diploma at level 6, with a minimum of 360 approved credits), and proof of registration with SANC as a General Nurse and Midwife or Psychiatric Nurse and community health nurse.

Additional professional requirements

The student must be appointed in a full-time clinical post at a UJ approved and a SANC accredited health service/organization for the duration of the clinical modules (commencing on registration, until successful completion), in accordance with the regulatory requirements of the SANC.

On commencement of the programme, the student must furnish proof of:

1. Registration/licensing with the SANC on commencement of each academic year.
2. Admission to a clinical training facility approved by the SANC for University of Johannesburg; and
3. Her/his professional indemnity.

Note:

Admission requirement for clinical/practical examinations: students should comply with the clinical/practical formative assessment requirements and the completion of the specified clinical/practical assignments/workbooks/timesheets. Students should demonstrate the achievement of the formative clinical/practical outcomes.

HS7.3.4 Pass requirements

An approved period for completion of a diploma (2 years full-time) and degree (3 years full-time) exists. All students should complete their **practical modules within two years** after the period for completion of their programme.
Refer to the Academic Regulations of the University of Johannesburg.

HS7.3.5 Curriculum

First year: First semester		
Module name	**Module code**	**Prerequisite code**
Semester one		
Professional Nursing Science 1A	PNS01A1	
Post-Basic Pharmacology in Nursing 1A	FAR02A2	
Semester two		
Post-Basic Pharmacology in Nursing 1B	FAR02B2	
Second year		
Module name	**Module code**	**Prerequisite code**
Year modules		
Community Health Nursing Science Modules 1 & 2	GGV0017	
Community Health Nursing Science Modules 3 & 4	GGV0037	
Community Health Nursing Science Modules 5 & 6	GGV0057	
Community Health Nursing Science Module 7	GGV0077	
Community Health Nursing Science Module 8	GGV0087	

HS7.4 FURTHER NATIONAL HIGHER DIPLOMA: MEDICAL AND SURGICAL NURSING SCIENCE: CRITICAL NURSING (GENERAL) (FND005)

Duration of programme:
Full-time: 2 Years
NQF level 6

HS7.4.1 Purpose

The primary purpose of this qualification is to provide the qualifying student (the professional nursing practitioner) with the further development of her/his intellectual, practical and reflective competencies/abilities (knowledge, skills, attitudes and values) as a clinical medical and surgical nurse practitioner (clinical nurse specialist) to promote the

health of the individual, family, group and community as an active member of the intersectoral, multi-professional and multi-disciplinary health teams. This qualification shall lead to registration as a Medical and Surgical Nursing Science: Critical care (general) nurse with the SANC.

HS7.4.2 Outcome

1 Apply/execute the scientific principles of advanced clinical nursing practice (in the elective clinical field).
2 Advanced monitoring of the medication programme and appropriate adjustment thereof.

HS7.4.3 Rules of access and admission requirements Entrance level

A minimum of 360 approved credits (level 6) are required for admission to this programme, together with proof of registration as a general nurse with the SANC.

or

A Diploma in Nursing Science (three-year diploma at level 6, with a minimum of 360 approved credits), and proof of registration with SANC as a general nurse.

Additional professional requirements

The student must be appointed in a full-time clinical post at a University of Johannesburg approved and a SANC accredited health service/organization for the duration of the clinical modules (commencing on registration, until successful completion), in accordance with the regulatory requirements of the SANC.

On commencement of the programme, the student must furnish proof of:

1. Registration/licensing with the SANC on commencement of each academic year.
2. Admission to a clinical training facility approved by the SANC for University of Johannesburg; and,
3. Her/his professional indemnity.
4. At least one year's experience in an intensive care unit.
5. A signed agreement from the unit manager and preceptor for the practical component.
6. Approval from hospital managers to do the course and rotate through different units as indicated in practical component.

Note:

Admission requirement for clinical/practical examinations: students should comply with the clinical/practical formative assessment requirements and the completion of the specified clinical/practical assignments/workbooks/timesheets. Students should demonstrate the achievement of the formative clinical/practical outcomes.

HS7.4.4 Pass requirements

An approved period for completion of a diploma (2 years full-time) and degree (3 years full-time) exists.
Refer to the Academic Regulations of the University of Johannesburg.

HS7.4.5 Curriculum

First year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Professional Nursing Science 1A	PNS01A1	
Post-Basic Pharmacology in Nursing 1A	FAR02A2	
Semester two		
Post-Basic Pharmacology in Nursing 1B	FAR02B2	
Second year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Medical Surgical Nursing Science: Critical Care Modules 1 & 2	MCV2017	
Year modules		
Medical Surgical Nursing Science: Critical Care Modules 3 & 4	MCV2037	
Medical Surgical Nursing Science: Critical Care Modules 5 & 6	MCV2057	
Medical Surgical Nursing Science: Critical Care Module 7	MCV2077	
Medical Surgical Nursing Science: Critical Care Module 8	MCV2087	

HS7.5 FURTHER NATIONAL HIGHER DIPLOMA: OCCUPATIONAL HEALTH NURSING (FND003)

Duration of programme:
Full-time: 2 Years
NQF level 6

HS7.5.1 Purpose

The primary purpose of this qualification is to provide the qualifying student (the professional nursing practitioner) with the further development of her/his intellectual, practical and reflective competencies/abilities (knowledge, skills, attitudes and values).
as an advanced clinical occupational health nurse practitioner (clinical nurse specialist) to promote the health of the individual, family, group and community as an active member of the intersectoral, multi-professional and multidisciplinary health teams. This qualification shall lead to registration as an occupational health nurse with SANC.

HS7.5.2 Outcome

1. Apply/ execute the scientific principles of advanced clinical nursing practice (in the elective clinical field).
2. Advanced monitoring of the medication programme and appropriate adjustment thereof.

HS7.5.3 Rules of access and admission requirements Entrance level:

A minimum of 360 approved credits (level 6) are required for admission to this programme, together with proof of registration as a general nurse with the SANC.

or

A Diploma in Nursing Science (three-year diploma at level 6, with a minimum of 360 approved credits), and proof of registration as a general nurse with the SANC.

Additional professional requirements

The student must be appointed in a full-time clinical post at a University of Johannesburg-approved and a SANC accredited health service/organization for the duration of the clinical modules (commencing on registration, until successful completion), in accordance with the regulatory requirements of SANC.

On commencement of the programme, the student must furnish proof of:

1. Registration with the SANC on commencement of each academic year.
2. Admission to a clinical training facility approved by the SANC for University of Johannesburg; and
3. Her/his professional indemnity.

Note:

Admission requirement for clinical/practical examinations: students should comply with the clinical/practical formative assessment requirements and the completion of the specified clinical/practical assignments/workbooks/timesheets. Students should demonstrate the achievement of the formative clinical/practical outcomes.

HS7.5.4 Pass requirements

An approved period for completion of a diploma (2 years full-time) and degree (3 years full-time) exists. All students should complete their **practical modules within two years** after the period for completion of their programme.
Refer to the Academic Regulations of the University of Johannesburg.

HS7.5.5 Curriculum

First year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Professional Nursing Science 1A	PNS01A1	
Post-Basic Pharmacology in Nursing 1A	FAR02A2	
Semester two		
Post-Basic Pharmacology in Nursing 1B	FAR02B2	

Second year		
Module name	**Module code**	**Prerequisite code**
Year modules		
Occupational Health Nursing Science Modules 1 And 2	GGB2017	
Occupational Health Nursing Science Modules 3 And 4	GGB2037	
Occupational Health Nursing Science Modules 5 And 6	GGB2057	
Occupational Health Nursing Science Module 7	GGB2077	
Occupational Health Nursing Science Module 8	GGB2087	

HS7.6 **FURTHER NATIONAL HIGHER DIPLOMA: PRIMARY HEALTH CARE: CLINICAL NURSING, DIAGNOSIS, TREATMENT AND CARE (FND004)**
Duration of programme:
Full-time: 2 Years
NQF level 6

HS7.6.1 Purpose

The primary purpose of this qualification is to provide the qualifying student (the professional nursing practitioner) with the further development of her/his intellectual, practical and reflective competencies/abilities (knowledge, skills, attitudes and values) as a primary health care clinical nurse practitioner to promote the health of the individual, family, group and community, as an active member of the intersectoral, multi professional and multi-disciplinary health teams.
This qualification shall lead to registration as a post-basic primary health care nurse with the SANC.

HS7.6.2 Outcomes

1. Apply/execute the scientific principles of advanced clinical nursing practice (in the elective clinical field).
2. Advanced monitoring of the medication programme and appropriate adjustment thereof.

HS7.6.3 Rules of access and admission requirements

Entrance level

A minimum of 360 approved credits (level 6) are required for admission to this programme, together with proof of registration as a general nurse, midwifery and community health nurse with the SANC.

or

A Diploma in Nursing Science (three-year diploma at level 6, with a minimum of 360 approved credits) and proof of registration as a general nurse, midwifery and community

health nurse with the SANC.

Additional professional requirements

The student must be appointed in a full-time clinical post at a University of Johannesburg approved and a SANC accredited health service/organization for the duration of the clinical modules (commencing on registration, until successful completion), in accordance with the regulatory requirements of the SANC.

On commencement of the programme, the student must furnish proof of:

1. Registration with the SANC on commencement of each academic year.
2. Admission to a clinical training facility approved by the SANC for University of Johannesburg; and,
3. Her/his professional indemnity, proof of indemnity for patient consultation with clinical instructors and preceptors.
4. At least two years' experience as a registered nurse.
5. Signed documentation by the preceptor (with relevant qualification as a registered PHCN and practicing as one) as proof of clinical guidance for the duration of study (2nd year component of the course core modules).
6. A preceptor (with a specific applicable qualification) must be appointed for each student.

Note:

Admission requirement for clinical/practical examinations: students should comply with the clinical/practical formative assessment requirements and the completion of the specified clinical/practical assignments/workbooks/timesheets. Students should demonstrate the achievement of the formative clinical/practical outcomes.

HS7.6.4 Pass requirements

An approved period for completion of a diploma (2 years full-time) exists. All students should complete their clinical workbook within the same year of study for completion of their programme.
Refer to the Academic Regulations of the University of Johannesburg.

HS7.6.5 Curriculum

First year:		
Module name	**Module code**	**Prerequisite code**
Semester one		
Professional Nursing Science 1A	PNS01A1	
Post-Basic Pharmacology in Nursing 1A	FAR02A2	
Semester two		
Post-Basic Pharmacology in Nursing 1B	FAR02B2	

Second Year		
Module name	**Module code**	**Prerequisite code**
Year modules		
Primary Health Care: Clinical Skills	GGP2017	
Primary Health Care: Workbook and Case Studies	GGP2027	
Primary Health Care: Clinical Nursing Diagnosis, Treatment And Care Paper 1	GGP2037	
Primary Health Care: Clinical Nursing Diagnosis, Treatment And Care Paper 2	GGP2057	
Primary Health Care: Clinical Nursing Diagnosis, Treatment And Care Paper 3	GGP2077	

HS7.7 FURTHER NATIONAL HIGHER DIPLOMA: NURSING ADMINISTRATION (VVA010)

Duration of programme:
Full-time: 1 Year
NQF level 6

HS7.7.1 Purpose

The primary purpose of this qualification is to provide the qualifying student (the professional nursing practitioner) with the further development of her/his intellectual, practical and reflective competencies/abilities (knowledge, skills, attitudes and values) as a nursing service manager to promote the health of the individual, family, group and community as an active member of the intersectoral, multi-professional and multi-disciplinary health teams. This qualification shall lead to registration as a nurse administrator with the SANC.

HS7.7.2 Outcome

The execution and evaluation of a nursing unit and nursing service management programme.

HS7.7.3 Rules of access and admission requirements

Entrance level

A Diploma in Nursing Science (three-year diploma at level 6, with a minimum of 360 approved credits), and proof of registration as a general nurse with the SANC.

HS7.7.4 Pass requirements

An approved period for completion of a diploma (1 year full-time) exists. Refer to the Academic Regulations of the University of Johannesburg.

HS7.7.5 Curriculum

First year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Human Resource Management 1A:	MHB1A01	
Professional Nursing Science 1A	PNS01A1	
Professional Nursing Science 2A	PNS02A2	
Post-Basic Pharmacology in Nursing 1A	FAR02A2	
Semester two		
Human Resource Management 1B:	MHB1B01	
Professional Nursing Science 1B	PNS01B1	
Professional Nursing Science 1C Research Methodology	PNS1C10	
Professional Nursing Science 1C Research Proposal	PNS1C20	
Post-Basic Pharmacology in Nursing 1B	FAR02B2	

HS7.8 FURTHER NATIONAL HIGHER DIPLOMA: NURSING EDUCATION (VVO010)
Duration of programme:
Full-time: 1 Year
NQF level 6

HS7.8.1 Purpose

The primary purpose of this qualification is to provide the qualifying learner (the professional nursing practitioner) with the further development of her/his intellectual, practical and reflective competencies/abilities (knowledge, skills, attitudes and values) as a nurse educator to promote the health of the individual, family, group and community as an active member of the intersectoral, multi-professional and multi-disciplinary health teams. This qualification shall lead to registration as a nurse educator with the SANC.

HS7.8.2 Outcome

Executive and evaluate a relevant nursing/health education programme.

HS7.8.3 Rules of access and admission requirements Entrance level

A minimum of 360 approved credits (level 6) are required for admission to this programme, together with proof of registration as a general with the SANC.

or

A Diploma in Nursing Science (three-year diploma at level 6, with a minimum of 360 approved credits), and proof of registration as a general nurse with the SANC.

HS7.8.4 Pass requirements

An approved period for completion of a diploma (1 year full-time) exists. Refer to the Academic Regulations of the University of Johannesburg.

HS7.8.5 Curriculum

First year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Human Resource Management 1A:	MHB1A01	
Professional Nursing Science 1A	PNS01A1	
Professional Nursing Science 2B	PNS02A1	
Professional Nursing Science 2D	PNS2D10	
Post-Basic Pharmacology in Nursing 1A	FAR02A2	
Semester two		
Professional Nursing Science 1B	PNS01B1	
Professional Nursing Science 2C Practical	PNS2C10	
Professional Nursing Science 2C	PNS02C1	
Professional Nursing Science 1C Research Methodology	PNS1C10	
Professional Nursing Science 1C Research Proposal	PNS1C20	
Post-Basic Pharmacology in Nursing 1B	FAR02B2	

HS7.9 BACCALAUREUS CURATIONIS (EDUCATIONIS ET ADMINISTRATIONIS)

Duration of programme:
Full-time: 3 Years
NQF level 7

With specialisation choices in the following:

1. **Advanced Midwifery and Neonatal Nursing Science (BCU006)**
2. **Community Health Nursing Science (BCU003)**
3. **Medical and Surgical Nursing Science: Critical Care Nursing General (BCU004)**
4. **Occupational Health Nursing Science (BCU010)**
5. **Primary Health Care Clinical Nursing; Diagnosis, Treatment and Care (BCU011)**

NOTE: A student must select his/her specialisation in the first year of study. If he/she wants to change this specialisation at a later stage it can only be done with written approval from the Head of the Department.

HS7.9.1 Purpose

The primary purpose of this qualification is to provide the qualifying student (the professional nursing practitioner) with the further development of her/his intellectual, practical and reflective competencies/abilities (knowledge, skills, attitudes and values) as a nursing service manager, nurse educator and advanced clinical practitioner (clinical nurse specialist) to promote the health of the individual, family, group and community as an active member of the intersectoral, multi-professional and multi- disciplinary health teams. This qualification shall lead to registration with the SANC as a nurse administrator, nurse educator and post-basic clinical nurse (in accordance with the clinical elective).

HS7.9.2 Outcome

The specific abilities (knowledge, skills, values and attitudes) that learners should demonstrate in passing the major subjects of this qualification are as follows:

1. Organisational and executive nursing/health service management.
2. Higher education practice within the nursing profession at a Nursing College, University or Technikon.
3. Community nursing care practice: promotion, maintenance and restoration of the health of the individual, family and community, as members of the intersectoral and multidisciplinary health team.
4. Proven commitment (values) towards community development and lifelong learning by means of engagement in private study, peer group study, independent and collective research and community projects.

HS7.9.3 Rules of access and admission requirements

A minimum of 360 approved credits (level 6) are required for admission to this programme, together with proof of registration with the SANC as a general nurse.

A prospective student should hold:

A Further Education Certificate at level 4 with matriculation exemption.

or

A Diploma in Nursing Science (three-year diploma at level 6, with a minimum of 360 approved credits); should be able to furnish proof of registration with the SANC as a

general nurse. The student shall be conditionally registered for the programme during the first year, provided that exemption is granted by the South African Matriculation Board in accordance with the application procedure and policies.

Additional selection criteria

The following additional selection criteria shall pertain to the clinical elective specialities:

1. Advanced Midwifery and Neonatal Nursing Science (BCU006)

If the student selected Advanced Midwifery and Neonatal Nursing Science as her/his clinical elective speciality, proof of registration as a midwife with the SANC is required. The student must be appointed in an approved full-time and permanent midwifery post on registration for the clinical elective modules, until the course is successfully completed. A signed agreement from the unit manager and preceptor for the practical component.

2. Community Health Nursing Science (BCU003)

The student must be registered with the SANC as a general nurse and midwife or psychiatric nurse if male. The student needs to have access to University of Johannesburg and SANC approved Community Health Care clinical facilities.
The student must be appointed in a full-time clinical post at a University of Johannesburg and an approved SANC accredited health service/organization for the duration of the clinical modules (commencing on registration, until successful completion) in accordance with the regulatory requirements of the SANC. Student must be registered as registered nurse and midwife with SANC.

3. Medical and Surgical Nursing Science: Critical Care Nursing (General) (BCU004)

On commencement of the programme, the student must furnish proof of:

1. Registration/licensing with the SANC on commencement of each academic year.
2. Admission to a clinical training facility approved by the SANC for University of Johannesburg; and,
3. Her/his professional indemnity.
4. At least one year's experience in an intensive care unit.
5. A signed agreement from the unit manager and preceptor for the practical component.

4. Occupational Health Nursing Science (BCU010)

The student must be registered with the SANC as a general nurse, midwife and community health nurse. The student needs to have access to University of Johannesburg and SANC approved Occupational Health Care clinical facilities. Student must be registered as registered nurse, midwife and community nurse with SANC.

5. Primary Health Care Clinical Nursing: Diagnosis, Treatment and Care (BCU011)

The student must be registered with the SANC as a general nurse, midwife and community health nurse. The student needs to have access to University of Johannesburg and SANC approved Primary Health Care clinical facilities. A signed agreement from the unit manager and preceptor for the practical component. Student must be registered as registered nurse, midwife and community nurse with SANC.

Additional professional requirements

The student must be appointed in a full-time clinical post at a University of Johannesburg and an approved SANC accredited health service/organization for the duration of the clinical elective modules (commencing on registration, until successful completion thereof), in accordance with the regulatory requirements of the SANC for the clinical/elective choice.

During the course of the programme, the student must furnish proof of:

1. Registration/licensing with the SANC on commencement of each academic year.
2. Admission to a clinical learning facility approved by the SANC for University of Johannesburg.
3. Her/his professional indemnity.

Note:

Admission requirements for clinical/practical examinations: students should comply with the clinical/practical formative assessment requirements and the completion of the specified clinical/practical assignments/workbooks/timesheets. Students should demonstrate the achievement of the formative clinical/practical outcomes. Should a candidate already hold a diploma in a specialty obtained at UJ, he/she could receive credit for certain courses not older than seven years. **Specialty obtained elsewhere will not be credited**. Only in exceptional circumstances may the Executive Dean grant exemption from an exit-level final year or semester core module (major module) that has been passed at another institution or in another programme.

HS7.9.4 Pass requirements

An approved period for completion of a diploma (1 year for diploma in Nursing Administration and Education) and (2 years full-time with specialty) and degree (3 years full-time) exists. All students should complete their **practical modules within two years** after the period for completion of their programme.
Refer to the Academic Regulations of the University of Johannesburg.

HS7.9.5 Curriculum

First year	
Module name	**Module code**
Semester one	
Human Resource Management 1A	MHB1A01
Professional Nursing Science 1A	PNS01A1
Professional Nursing Science 2B	PNS02A1
Professional Nursing Science 2D	PNS2D10

Semester two	
Human Resource Management 1B	MHB1B01
Professional Nursing Science 1B	PNS01B1
Professional Nursing Science 2C Practical	PNS2C10
Professional Nursing Science 2C	PNS02C1
Second year	
Module name	**Module code**
Semester one	
Professional Nursing Science 2A	PNS02A2
Professional Nursing Science 3A	PNS03A2
Post-Basic Pharmacology in Nursing 1A	FAR02A2
Semester two	
Professional Nursing Science 1C Research Methodology	PNS1C10
Professional Nursing Science 1C Research Proposal	PNS1C20
Professional Nursing Science 3B	PNS03B2
Post-Basic Pharmacology in Nursing 1B	FAR02B2

In the third year any of the following modules according to the specialisation selected in the first year:

Third year (BCU003)	
Module name	**Module code**
Year modules	
Community Health Nursing Science Modules 1 & 2	GGV0017
Community Health Nursing Science Modules 3 & 4	GGV0037
Community Health Nursing Science Modules 5 & 6	GGV0057
Community Health Nursing Science Modules 7	GGV0077
Community Health Nursing Science Modules 8	GGV0087

Third year (BCU004)	
Module name	**Module code**
Semester one	
Medical and Nursing Science Critical Care Module 1 & 2	MCV2017
Year modules	
Medical and Nursing Science Critical Care Module 3 & 4	MCV2037
Medical and Nursing Science Critical Care Module 5 & 6	MCV2057
Medical and Nursing Science Critical Care Module 7	MCV2077
Medical and Nursing Science Critical Care Module 8	MCV2087
Third year (BCU006)	
Module name	**Module code**
Year modules	
Advanced Midwifery and Neonatal Nursing Modules 1 & 2	VNV2017
Advanced Midwifery and Neonatal Nursing Modules 3 & 4	VNV2037
Advanced Midwifery and Neonatal Nursing Modules 5 & 6	VNV2057
Advanced Midwifery and Neonatal Nursing Module 7	VNV2077
Advanced Midwifery and Neonatal Nursing Module 8	VNV2087
Third year (BCU010)	
Module name	**Module code**
Year modules	
Occupational Health Nursing Science Modules 1 & 2	GGB2017
Occupational Health Nursing Science Modules 3 & 4	GGB2037
Occupational Health Nursing Science Modules 5 & 6	GGB2057
Occupational Health Nursing Science Module 7	GGB2077
Occupational Health Nursing Science Module 8	GGB2087

Third year (BCU011)	
Module name	**Module code**
Year modules	
Primary Health Care: Clinical Nursing Skills	GGP2017
Primary Health Care: Workbook and Case Studies	GGP2027
Primary Health Care: Diagnosis, Treatment And Care Paper 1	GGP2037
Primary Health Care: Diagnosis, Treatment And Care Paper 2	GGP2057
Primary Health Care: Diagnosis, Treatment And Care Paper 3	GGP2077

HS7.10 MASTER OF NURSING SCIENCE IN COMMUNITY HEALTH NURSING SCIENCE (M9N02Q)

Duration of programme:
Full-time: Minimum 1 year and maximum 2 years
Part-time: Minimum 2 years and maximum 3 years
NQF level 9, 180 NQF credits (HEQF aligned)
Research dissertation 100%

HS7.10.1 Purpose

The primary purpose of this qualification is to develop the intellectual and practical competencies of the qualifying student and to facilitate her/his professional values to promote the health of the individual, family, group and community as a specialist, leader and consultant in and as a member of the nursing/midwifery/health team through her/his research, professional and clinical abilities. This qualification serves as a basis for advanced learning.

HS7.10.2 Outcome

Practice as an advanced clinical nurse specialist, leader, consultant and researcher.

HS7.10.3 Rules of access and admission requirements

At entrance level, the prospective student should have a Bachelors degree with a minimum of 480 approved credits at NQF level 8.

Additional selection criteria

1. A minimum of 50% in the Research Methodology in Nursing Science at level 9, and 65% in the core modules in the undergraduate qualification in which the student intends to obtain the master's degree.
2. Proof of registration as a general nurse with the SANC.
3. A candidate must be appointed in an approved full-time post as a nursing practitioner for the duration of the clinical programme.

Specific selection criterion

Registration at SANC as a community nurse.

HS7.10.4 Pass requirements

The general regulations for master's degrees are applicable to this qualification.

HS7.10.5 Curriculum

A dissertation on an approved topic

Module name	Module code
Semester one	
Dissertation: Community Health Semester 1	NCH9X01
Semester two	
Dissertation: Community Health Semester 2	NCH9X02

HS7.11 MASTER OF NURSING SCIENCE IN COMMUNITY HEALTH NURSING SCIENCE: OCCUPATIONAL HEALTH NURSING SCIENCE (M9N04Q)

Duration of programme:
Full-time: Minimum 1 year and maximum 2 years
Part-time: Minimum 2 years and maximum 3 years
NQF level 9, 180 NQF credits (HEQF aligned)
Research dissertation 100%

HS7.11.1 Purpose

The primary purpose of this qualification is to develop the intellectual and practical competencies of the qualifying student and to facilitate her/his professional values to promote the health of the individual, family, group and community as a specialist, leader and consultant in and as a member of the nursing/midwifery/health team through her/his research, professional and clinical abilities. This qualification serves as a basis for advanced learning.

HS7.11.2 Outcome

Practice as an advanced clinical nurse specialist, leader, consultant and researcher.

HS7.11.3 Rules of access and admission requirements

At entrance level, the prospective student should have a Bachelors degree with a minimum of 480 approved credits at level 8.

Additional selection criteria

A minimum of 50% in the Research Methodology in Nursing Science at level 9, and 65% in the core modules in the undergraduate qualification in which the student intends to obtain the master's degree.
Proof of registration as a general nurse with the SANC.
A candidate must be appointed in an approved full-time post as a nursing practitioner for the duration of the clinical programme.

Specific selection criterion

Registration as SANC as an occupational health nurse.

Note:

Admission requirements for clinical/practical examinations: students should comply with the clinical/practical formative assessment requirements and the completion of the specified clinical/practical assignments/workbooks/timesheets. Students should demonstrate the achievement of the formative clinical/practical outcomes.

HS7.11.4 Pass requirements

The general regulations for master's degrees are applicable to this qualification.

HS7.11.5 Curriculum

A dissertation on an approved topic

Module name	Module code
Semester one	
Dissertation: Occupational Health Nursing Science Semester 1	NOH9X01
Semester two	
Dissertation: Occupational Health Nursing Science Semester 2	NOH9X02

HS7.12 MASTER OF NURSING SCIENCE IN COMMUNITY HEALTH NURSING SCIENCE: PRIMARY HEALTH CARE (M9N06Q)

Duration of programme:
Full-time: Minimum 1 year and maximum 2 years
Part-time: Minimum 2 years and maximum 3 years
NQF level 9, 180 NQF credits (HEQF aligned)
Research dissertation 100%

HS7.12.1 Purpose

The primary purpose of this qualification is to develop the intellectual and practical competencies of the qualifying student and to facilitate her/his professional values to promote the health of the individual, family, group and community as a specialist, leader and consultant in and as a member of the nursing/midwifery/health team through her/his research, professional and clinical abilities. This qualification serves as a basis for advanced learning.

HS7.12.2 Outcome

Practice as an advanced clinical nurse specialist, leader, consultant and researcher.

HS7.12.3 Rules of access and admission requirements

At entrance level, the prospective student should have a Bachelors degree with a minimum of 480 approved credits at level 8.

Additional Selection criteria

A minimum of 50% in the Research Methodology in Nursing Science at level 9, and 65% in the core modules in the undergraduate qualification in which the student intends to obtain the master's degree.
Proof of registration at the SANC as a general nurse.
A candidate must be appointed in an approved full-time post as a nursing practitioner for the duration of the clinical programme.

Specific selection criteria

Registration at SANC as a community health nurse and primary health care nurse.

Note:

Admission requirements for clinical/practical examinations: students should comply with the clinical/practical formative assessment requirements and the completion of the specified clinical/practical assignments/workbooks/timesheets. Students should demonstrate the achievement of the formative clinical/practical outcomes.

HS7.12.4 Pass requirements

The general regulations for master's degrees are applicable to this qualification.

HS7.12.5 Curriculum

A dissertation on an approved topic*

Module name	Module code
Semester one	
Dissertation: Primary Health Care Semester 1	NPH9X01
Semester two	
Dissertation: Primary Health Care Semester 2	NPH9X02

HS7.13 MASTER OF NURSING SCIENCE IN MEDICAL AND SURGICAL NURSING: CRITICAL CARE (GENERAL) (M9N07Q)

Duration of programme:
Full-time: Minimum 1 year and maximum 2 years
Part-time: Minimum 2 years and maximum 3 years
NQF level 9, 180 NQF credits (HEQF aligned)
Course work 50% and minor dissertation 50%

HS7.13.1 Purpose

The primary purpose of this qualification is to develop the intellectual and practical competencies of the qualifying student and to facilitate her/his professional values to promote the health of the individual, family, group and community as a specialist, leader and consultant in and as a member of the nursing/midwifery/health team through her/his research, professional and clinical abilities. This qualification serves as a basis for advanced learning.

HS7.13.2 Outcome

Practice as an advanced clinical nurse specialist, leader, consultant and researcher.

HS7.13.3 Rules of access and admission requirements

At entrance level, the prospective student should have a Bachelors degree with a minimum of 480 approved credits at level 8.

Additional selection criteria

A minimum of 50% in the Research Methodology in Nursing Science at level 9, and 65% in the core modules in the undergraduate qualification in which the student intends to obtain the master's degree.
Proof of registration as a general nurse with the SANC.
A candidate must be appointed in an approved full-time post as a nursing practitioner for the duration of the clinical programme.

Specific selection criteria

1. Registration as a General and Surgical Nurse: Critical Care nurse with the SANC.
2. Admission to a clinical training facility approved by SANC for the University of Johannesburg.
3. Her/his professional indemnity.
4. At least one year experience in an intensive care unit.

Note:

Admission requirements for clinical/practical examinations: students should comply with the clinical/practical formative assessment requirements and the completion of the specified clinical/practical assignments/workbooks/timesheets. Students should demonstrate the achievement of the formative clinical/practical outcomes.

HS7.13.4 Pass requirements

The general regulations for master's degrees are applicable to this qualification.

HS7.13.5 Curriculum

Course work is 50% and minor dissertation is 50%.

First year		
Module name	**Module code**	**NQF credits**
Year modules		
Post-Basic Pharmacology in Nursing: Module 1 Module 2	 FAR9X01 FAR9X02	 8 8
Medical and Nursing Science Critical Care Modules 3 & 4	NMS9X4Y	8
Medical and Nursing Science Critical Care Modules 5 & 6	NMS9X5Y	8
Medical and Nursing Science Critical Care Module 7	NMS9X6Y	25

Medical and Nursing Science Critical Care Module 8	NMS9X7Y	60
Second Year		
Module name	**Module code**	**NQF credits**
Year modules		
Medical and Nursing Science Critical Care Modules 1 & 2	NMS9X3Y	8
Module name	**Module code**	**NQF credits**
Semester one		
Medical and Nursing Science Critical Care*: Minor Dissertation Semester 1	NMS9X01	45
Module name	**Module code**	**NQF credits**
Semester two		
Medical and Nursing Science Critical Care*: Minor Dissertation Semester 2	NMS9X02	45

HS7.14 MASTER OF NURSING SCIENCE IN MEDICAL AND SURGICAL NURSING: CRITICAL CARE (GENERAL) (M9N08Q)

Duration of programme:
Full-time: Minimum 1 year and maximum 2 years
Part-time: Minimum 2 years and maximum 3 years
NQF level 9, 180 NQF credits (HEQF aligned)
Research dissertation 100%

HS7.14.1 Purpose

The primary purpose of this qualification is to develop the intellectual and practical competencies of the qualifying student and to facilitate her/his professional values to promote the health of the individual, family, group and community as a specialist, leader and consultant in and as a member of the nursing/midwifery/health team through her/his research, professional and clinical abilities. This qualification serves as a basis for advanced learning.

HS7.14.2 Outcome

Practice as an advanced clinical nurse specialist, leader, consultant and researcher
At entrance level, the prospective student should have a minimum of 480 approved credits at level 8.

HS7.14.3 Rules of access and admission requirements

At entrance level, the prospective student should have a Bachelors degree with a minimum of 480 approved credits at level 8.

Additional selection criteria

A minimum of 50% in the Research Methodology in Nursing Science at level 9, and 65% in the core modules in the undergraduate qualification in which the student intends to obtain the master's degree.
Proof of registration as a general nurse with the SANC.
A candidate must be appointed in an approved full-time post as a nursing practitioner for

the duration of the clinical programme.

Specific selection criteria

1. Registration as a general nurse with the SANC.
2. Admission to a clinical training facility approved by SANC for the University of Johannesburg.
3. Her/his professional indemnity.
4. At least one year experience in an intensive care unit.

Note:

Admission requirements for clinical/practical examinations: students should comply with the clinical/practical formative assessment requirements and the completion of the specified clinical/practical assignments/workbooks/timesheets. Students should demonstrate the achievement of the formative clinical/practical outcomes.

HS7.14.4 Pass requirements

The general regulations for master's degrees are applicable to this qualification.

HS7.14.5 Curriculum

A dissertation on an approved topic

Module name	Module code
Semester one	
Dissertation: Critical Care Semester 1	NMD9X01
Semester two	
Dissertation: Critical Care Semester 2	NMD9X02

HS7.15 MASTER OF NURSING SCIENCE IN MEDICAL AND SURGICAL NURSING: OPERATING ROOM NURSING (M9N09Q)

Duration of programme:
Full-time: Minimum 1 year and maximum 2 years
Part-time: Minimum 2 years and maximum 3 years
NQF level 9, 180 NQF credits (HEQF aligned)
Research dissertation 100%

HS7.15.1 Purpose

The primary purpose of this qualification is to develop the intellectual and practical competencies of the qualifying student and to facilitate her/his professional values to promote the health of the individual, family, group and community as a specialist, leader and consultant in and as a member of the health team through her/his research, professional and clinical abilities. This qualification serves as a basis for advanced learning.

HS7.15.2 Outcome

Practice as an advanced clinical nurse specialist, leader, consultant and researcher.

HS7.15.3 Rules of access and admission requirements

At entrance level, the prospective student should have a Bachelors degree with a minimum of 480 approved credits at level 8.

Additional selection criteria

A minimum of 50% in the Research Methodology in Nursing Science at level 9, and 65% in the core modules in the undergraduate qualification in which the student intends to obtain the master's degree.

Proof of registration as a general nurse with the SANC.

A candidate must be appointed in an approved full-time post as a nursing practitioner for the duration of the clinical programme.

Specific selection criterion

Registration as a general nurse with the SANC.

Note:

Admission requirements for clinical/practical examinations: students should comply with the clinical/practical formative assessment requirements and the completion of the specified clinical/practical assignments/workbooks/timesheets. Students should demonstrate the achievement of the formative clinical/practical outcomes.

HS7.15.4 Pass requirements

The general regulations for master's degrees are applicable to this qualification.

HS7.15.5 Curriculum

A dissertation on an approved topic

Module name	**Module code**
Semester one	
Dissertation Medical and Surgical: Operating Room Semester 1	NMO9X01
Semester two	
Dissertation Medical and Surgical: Operating Room Semester 2	NMO9X02

HS7.16 MASTER OF NURSING SCIENCE IN MIDWIFERY AND NEONATAL NURSING SCIENCE (M9N11Q)

Duration of programme:
Full-time: Minimum 1 year and maximum 2 years
Part-time: Minimum 2 years and maximum 3 years
NQF level 9, 180 NQF credits (HEQF aligned)
Research dissertation 100%

HS7.16.1 Purpose

The primary purpose of this qualification is to develop the intellectual and practical competencies of the qualifying student and to facilitate her/his professional values to promote the health of the individual, family, group and community as a specialist, leader and consultant in and as a member of the nursing/midwifery/health team through her/his research, professional and clinical abilities. This qualification serves as a basis for advanced learning.

HS7.16.2 Outcome

Practice as an advanced clinical nurse specialist, leader, consultant and researcher.

HS7.16.3 Rules of access and admission requirements

At entrance level, the prospective student should have a Bachelors degree with a minimum of 480 approved credits at level 8.

Additional selection criteria

A minimum of 50% in the Research Methodology in Nursing Science at level 9, and 65% in the core modules in the undergraduate qualification in which the student intends to obtain the master's degree.

Proof of registration as a general nurse with the SANC.

A candidate must be appointed in an approved full-time post as a nursing practitioner for the duration of the clinical programme.

Specific selection criterion

Registration as a midwife with the SANC.

Note:

Admission requirements for clinical/practical examinations: students should comply with the clinical/practical formative assessment requirements and the completion of the specified clinical/practical assignments/workbooks/timesheets. Students should demonstrate the achievement of the formative clinical/practical outcomes.

HS7.16.4 Pass requirements

The general regulations for master's degrees are applicable to this qualification.

HS7.16.5 Curriculum

A dissertation on an approved topic

Module name	Module code
Semester one	
Dissertation: Midwifery and Neonatal Semester 1	NMM9X01
Semester two	
Dissertation: Midwifery and Neonatal Semester 2	NMM9X02

HS7.17 MASTER OF NURSING SCIENCE IN MIDWIFERY AND NEONATAL NURSING SCIENCE (M9N10Q)

Duration of programme:
Full-time: Minimum 1 year and maximum 2 years
Part-time: Minimum 2 years and maximum 3 years
NQF level 9, 180 NQF credits (HEQF aligned)
Course work 50% and minor dissertation 50%

HS7.17.1 Purpose

The primary purpose of this qualification is to develop the intellectual and practical competencies of the qualifying student and to facilitate her/his professional values to promote the health of the individual, family, group and community as a specialist, leader and consultant in and as a member of the nursing/midwifery/health team through her/his research, professional and clinical abilities. This qualification serves as a basis for advanced learning.

HS7.17.2 Outcome

Practice as an advanced clinical nurse specialist, leader, consultant and researcher.

HS7.17.3 Rules of access and admission requirements

At entrance level, the prospective student should have a Bachelors degree with a minimum of 480 approved credits at level 8.

Additional selection criteria

A minimum of 50% in the Research Methodology in Nursing Science at level 9, and 65% in the core modules in the undergraduate qualification in which the student intends to obtain the master's degree.

Proof of registration as a general nurse with the SANC.

A candidate must be appointed in an approved full-time post as a nursing practitioner for the duration of the clinical programme.

Specific selection criterion

Registration as a post-basic midwife with the SANC.

Note:

Admission requirements for clinical/practical examinations: students should comply with the clinical/practical formative assessment requirements and the completion of the specified clinical/practical assignments/workbooks/timesheets. Students should demonstrate the achievement of the formative clinical/practical outcomes.

HS7.17.4 Pass requirements

Refer to the Academic Regulations of the University of Johannesburg.

HS7.17.5 Curriculum

Course work is 50% and minor dissertation is 50%.

First year		
Module name	**Module code**	**NQF credits**
Year modules		
Post-Basic Pharmacology in Nursing: Paper 1 Paper 2	 FAR9X01 FAR9X02	 8 8
Advanced Midwifery & Neonatal Nursing Modules 1 & 2	NMC9X03	8
Advanced Midwifery & Neonatal Nursing Modules 3 & 4	NMC9X04	8
Advanced Midwifery & Neonatal Nursing Modules 5 & 6	NMC9X05	8
Advanced Midwifery & Neonatal Nursing Module 7	NMC9X06	25
Advanced Midwifery & Neonatal Nursing Module 8	NMC9X07	25
Second year Minor dissertation*		
Module name	**Module code**	**NQF credits**
Semester one		
Minor Dissertation: Advanced Midwifery and Neonatal Nursing Semester 1	NMC9X01	45
Semester two		
Minor Dissertation: Advanced Midwifery and Neonatal Nursing Semester 2	NMC9X02	45

HS7.18 MASTER OF NURSING SCIENCE IN NEONATAL (M9N12Q)

Duration of programme:
Full-time: Minimum 1 year and maximum 2 years
Part-time: Minimum 2 years and maximum 3 years
NQF level 9, 180 NQF credits (HEQF aligned)
Course work 50% and minor dissertation 50%

HS7.18.1 Purpose

The primary purpose of this qualification is to develop the intellectual and practical competencies of the qualifying student and to facilitate her/his professional values to promote the health of the individual, family, group and community as a specialist, leader and consultant in and as a member of the nursing/midwifery/health team through her/his research, professional and clinical abilities. This qualification serves as a basis for advanced learning.

HS7.18.2 Outcome

Practice as an advanced clinical nurse specialist, leader, consultant and researcher.

HS7.18.3 Rules of access and admission requirements

At entrance level, the prospective student should have a Bachelors degree with a minimum of 480 approved credits at level 8.

Additional selection criteria

A minimum of 50% in the Research Methodology in Nursing Science at level 9, and 65% in the core modules in the undergraduate qualification in which the student intends to obtain the master's degree.

Proof of registration as a general nurse and advanced midwife with the SANC.

A candidate must be appointed in an approved full-time post as a nursing practitioner for the duration of the clinical programme.

Registration as a general nurse with the SANC.

1. Admission to a clinical training facility approved by SANC for the University of Johannesburg.
2. Her/his professional indemnity.
3. At least one year experience in an intensive care unit.

HS7.18.4 Pass requirements

The general regulations for master's degrees are applicable to this qualification.

HS7.18.5 Curriculum

Course work is 50% and minor dissertation is 50%.

First year		
Module name	**Module code**	**NQF credit**
Year modules		
Post-Basic Pharmacology in Nursing: Paper 1 Paper 2	 FAR9X01 FAR9X02	 8 8
Neonatal Nursing Science Modules 1 & 2	 NNN9X01	 8
Neonatal Nursing Science Modules 3 & 4	 NNN9X02	 8
Neonatal Nursing Science Modules 5 & 6	 NNN9X03	 8

Neonatal Nursing Science Module 7	NNN9X04	25
Neonatal Nursing Science Module 8	NNN9X05	25
Second year Minor dissertation*		
Module name	**Module code**	**NQF credit**
Semester one		
Minor Dissertation: Neonatal Nursing Semester 1	NNN9X06	45
Semester two		
Minor Dissertation: Neonatal Nursing Semester 2	NNN9X07	45

HS7.19 MASTER OF NURSING SCIENCE IN NEONATAL (M9N13Q)

Duration of programme:
Full-time: Minimum 1 year and maximum 2 years
Part-time: Minimum 2 years and maximum 3 years
NQF level 9, 180 NQF credits (HEQF aligned)
Research dissertation 100%

HS7.19.1 Purpose

The primary purpose of this qualification is to develop the intellectual and practical competencies of the qualifying student and to facilitate her/his professional values to promote the health of the individual, family, group and community as a specialist, leader and consultant in and as a member of the nursing/midwifery/health team through her/his research, professional and clinical abilities. This qualification serves as a basis for advanced learning.

HS7.19.2 Outcome

Practice as an advanced clinical nurse specialist, leader, consultant and researcher.

HS7.19.3 Rules of access and admission requirements

At entrance level, the prospective student should have a Bachelors degree with a minimum of 480 approved credits at level 8.

Additional selection criteria

A minimum of 50% in the Research Methodology in Nursing Science at level 9, and 65% in the core modules in the undergraduate qualification in which the student intends to obtain the master's degree.

Proof of registration as a general nurse with the SANC.

A candidate must be appointed in an approved full-time post as a nursing practitioner for the duration of the clinical programme.

HS7.19.4 Pass requirements

The general regulations for master's degrees are applicable to this qualification.

HS7.19.5 Curriculum

A dissertation on an approved topic

Module name	Module code
Semester one	
Dissertation: Maternal and Child Nursing Semester 1	MCN9X01
Semester two	
Dissertation: Maternal and Child Nursing Semester 2	MCN9X02

HS7.20 MASTER OF NURSING SCIENCE IN PROFESSIONAL NURSING SCIENCE: ETHOS AND PROFESSIONAL PRACTICE (M9N14Q)

Duration of programme:
Full-time: Minimum 1 year and maximum 2 years
Part-time: Minimum 2 years and maximum 3 years
NQF level 9, 180 NQF credits (HEQF aligned)
Research dissertation 100%

HS7.20.1 Purpose

The primary purpose of this qualification is to develop the intellectual and practical competencies of the qualifying student and to facilitate her/his professional values to promote the health of the individual, family, group and community as a specialist, leader and consultant in and as a member of the nursing/midwifery/health team through her/his research, professional and clinical abilities. This qualification serves as a basis for advanced learning.

HS7.20.2 Outcome

Practice as an advanced clinical nurse specialist, leader, consultant and researcher.

HS7.20.3 Rules of access and admission requirements

At entrance level, the prospective student should have a Bachelors degree with a minimum of 480 approved credits at level 8.

Additional selection criteria

A minimum of 50% in the Research Methodology in Nursing Science at level 9, or 65% in the core modules in the undergraduate qualification in which the student intends to obtain the master's degree.

Proof of registration as a general nurse with the SANC.

A candidate must be appointed in an approved full-time post as a nursing practitioner for the duration of the clinical programme.

HS7.20.4 Pass requirements

The general regulations for master's degrees are applicable to this qualification.

HS7.20.5 Curriculum

A dissertation on an approved topic

Module name	Module code
Semester one	
Dissertation: Ethos and Professional Practice Semester 1	NEP9X01
Semester two	
Dissertation: Ethos and Professional Practice Semester 2	NEP9X02

HS7.21 MASTER OF NURSING SCIENCE IN PROFESSIONAL NURSING SCIENCE: NURSING EDUCATION (M9N16Q)

Duration of programme:
Full-time: Minimum 1 year and maximum 2 years
Part-time: Minimum 2 years and maximum 3 years
NQF level 9, 180 NQF credits (HEQF aligned)
Research dissertation 100%

HS7.21.1 Purpose

The primary purpose of this qualification is to develop the intellectual and practical competencies of the qualifying student and to facilitate her/his professional values to promote the health of the individual, family, group and community as a specialist, leader and consultant in and as a member of the nursing/midwifery/health team through her/his research, professional and clinical abilities. This qualification serves as a basis for advanced learning.

HS7.21.2 Outcome

Practice as an advanced clinical nurse specialist, leader, consultant and researcher.

HS7.21.3 Rules of access and admission requirements

At entrance level, the prospective student should have a Bachelors degree with a minimum of 480 approved credits at level 8.

Additional selection criteria

A minimum of 50% in the Research Methodology in Nursing Science at level 9, and 65% in the core modules in the undergraduate qualification in which the student intends to obtain the master's degree.

Proof of registration as a general nurse with the SANC.

A candidate must be appointed in an approved full-time post as a nursing practitioner for the duration of the clinical programme.

HS7.21.4 Pass requirements

The general regulations for master's degrees are applicable to this qualification.

HS7.21.5 Curriculum

A dissertation on an approved topic*

Module name	Module code
Semester one	
Dissertation: Nursing Education Semester 1	NED9X01
Semester two	
Dissertation: Nursing Education Semester 2	NED9X02

HS7.22 MASTER OF NURSING SCIENCE IN PROFESSIONAL NURSING SCIENCE: NURSING MANAGEMENT (M9N15Q)

Duration of programme:
Full-time: Minimum 1 year and maximum 2 years
Part-time: Minimum 2 years and maximum 3 years
NQF level 9, 180 NQF credits (HEQF aligned)
Research dissertation 100%

HS7.22.1 Purpose

The primary purpose of this qualification is to develop the intellectual and practical competencies of the qualifying student and to facilitate her/his professional values to promote the health of the individual, family, group and community as a specialist, leader and consultant in and as a member of the nursing/midwifery/health team through her/his research, professional and clinical abilities. This qualification serves as a basis for advanced learning.

HS7.22.2 Outcome

Practice as an advanced clinical nurse specialist, leader, consultant and researcher.

HS7.22.3 Rules of access and admission requirements

At entrance level, the prospective student should have a Bachelors degree with a minimum of 480 approved credits at level 8.

Additional selection criteria

A minimum of 50% in the Research Methodology in Nursing Science at level 9, and 65% in the core modules in the undergraduate qualification in which the student intends to obtain the master's degree.

Proof of registration as a general nurse with the SANC.

A candidate must be appointed in an approved full-time post as a nursing practitioner for the duration of the clinical programme.

HS7.22.4 Pass requirements

The general regulations for master's degrees are applicable to this qualification.

HS7.22.5 Curriculum

A dissertation on an approved topic

Module name	Module code
Semester one	
Dissertation: Professional Nursing Management Semester 1	NSM9X01
Semester two	
Dissertation: Professional Nursing Management Semester 2	NSM9X02

HS7.23 MASTER OF NURSING SCIENCE IN PSYCHIATRIC MENTAL HEALTH NURSING (M9N17Q)

Duration of programme:
Full-time: Minimum 1 year and maximum 2 years
Part-time: Minimum 2 years and maximum 3 years
NQF level 9, 180 NQF credits (HEQF aligned)
Course work 50% and minor dissertation 50%

HS7.23.1 Purpose

The primary purpose of this qualification is to develop the intellectual and practical competencies of the qualifying student and to facilitate her/his professional values to promote the health of the individual, family, group and community as a specialist, leader and consultant in and as a member of the nursing/midwifery/health team through her/his research, professional and clinical abilities. This qualification serves as a basis for advanced learning.

HS7.23.2 Outcome

Practice as an advanced clinical nurse specialist, leader, consultant and researcher.

HS7.23.3 Rules of access and admission requirements

At entrance level, the prospective student should have a Bachelors degree with a minimum of 480 approved credits at level 8.

Additional selection criteria

A minimum of 50% in the Research Methodology in Nursing Science at level 9, and 65% in the core modules in the undergraduate qualification in which the student intends to obtain the master's degree.

Proof of registration as a general nurse with the SANC.

A candidate must be appointed in an approved full-time post as a nursing practitioner for the duration of the clinical programme.

Specific selection criteria

Registration as a psychiatric nurse with the SANC and the successful completion of a required panel selection process.

HS7.23.4 Pass requirements

The general regulations for master's degrees are applicable to this qualification.

HS7.23.5 Curriculum

Course work is 50% and minor dissertation is 50%.

First year		
Module name	**Module code**	**NQF credit**
Year modules		
Advanced Psychiatric Mental Health Nursing Science Module 1	NPS9X03	8
Advanced Psychiatric Mental Health Nursing Science Module 2	NPS9X04	8
Advanced Psychiatric Mental Health Nursing Science Module 3	NPS9X05	8
Advanced Psychiatric Mental Health Nursing Science Module 4	NPS9X06	8
Advanced Psychiatric Mental Health Nursing Science Module 5	NPS9X07	10
Advanced Psychiatric Mental Health Nursing Science Module 6	NPS9X08	10
Advanced Psychiatric Mental Health Nursing Science Module 7	NPS9X09	10
Advanced Psychiatric Mental Health Nursing Science Module 8	NPS9X10	12
Second year		
Module name	**Module code**	**NQF credit**
Semester one		
Post-Basic Pharmacology in Nursing: Module 1 & 2 Module 3 & 4	 FAR9X01 FAR9X02	 8 8
Semester one (Minor-dissertation*)		
Minor Dissertation: Psychiatric Nursing Science Semester 1	NPS9X01	45
Semester two		
Minor Dissertation: Psychiatric Nursing Science Semester 2	NPS9X02	45

HS7.24 MASTER OF NURSING SCIENCE IN PSYCHIATRIC MENTAL HEALTH NURSING (M9N18Q)

Duration of programme:
Full-time: Minimum 1 year and maximum 2 years
Part-time: Minimum 2 years and maximum 3 years
NQF level 9, 180 NQF credits (HEQF aligned)
Research dissertation 100%

HS7.24.1 Purpose

The primary purpose of this qualification is to develop the intellectual and practical competencies of the qualifying student and to facilitate her/his professional values to promote the health of the individual, family, group and community as a specialist, leader and consultant in and as a member of the nursing/psychiatric/health team through her/his research, professional and clinical abilities. This qualification serves as a basis for advanced learning.

HS7.24.2 Outcome

Practice as an advanced clinical nurse specialist, leader, consultant and researcher.

HS7.24.3 Rules of access and admission requirements

At entrance level, the prospective student should have a Bachelors degree with a minimum of 480 approved credits at level 8.

Additional selection criteria

A minimum of 50% in the Research Methodology in Nursing Science at level 9, and 65% in the core modules in the undergraduate qualification in which the student intends to obtain the master's degree.

Proof of registration as a general nurse and post-basic psychiatric nurse with the SANC.

A candidate must be appointed in an approved full-time post as a nursing practitioner for the duration of the clinical programme.

HS7.24.4 Pass requirements

The general regulations for master's degrees are applicable to this qualification.

HS7.24.5 Curriculum

A dissertation on an approved topic

Module name	**Module code**
Semester one	
Dissertation: Psychiatric Nursing Science: Semester 1	NPD9X01
Semester two	
Dissertation: Psychiatric Nursing Science: Semester 2	NPD9X02

HS7.25 **DOCTOR OF NURSING SCIENCE**

Duration of programme:
Full-time: Minimum 2 years and maximum 3 years
Part-time: Minimum 3 years and maximum 4 years
NQF level 10
Research thesis 100%

With specialisation choices in the following:

1. **Community Health Nursing Science (DCU002)**
2. **Primary Health Care: Clinical Nursing, Diagnosis Treatment and Care (DCU015)**
3. **Medical and Surgical Nursing Science: Critical Care Nurse (General) (DCU013)**
4. **Maternal and Child Nursing Science: Advanced Midwifery and Neonatal Nursing Science DCU016)**
5. **Maternal and Child Nursing Science: Neonatal Intensive Care Nursing Science (DCU012)**
6. **Professional Nursing Science: Ethos and Professional Practice (DCU019)**
7. **Professional Nursing Science: Nursing Management (DCU020)**
8. **Professional Nursing Science: Nursing Education (DCU021)**
9. **Advanced Psychiatric Mental Health Nursing Science (DCU005)**

HS7.25.1 Purpose

The primary purpose of this qualification is to provide the qualifying student with advanced critical, analytical, problem-solving and reflective competencies as a nursing specialist to act as a leader and consultant in health services and to make an original contribution to the knowledge content of the discipline through independent research. The qualifying student should display insight into the module discipline, as well as into research. This should include competence in the oral and written communication of the research process and findings.

HS7.25.2 Outcome

1. Expertise and critical knowledge in an area at the forefront of the field discipline or practice.
2. The ability to conceptualise new research initiatives and create new knowledge or practice.

Additional Selection Criteria:

1. Community Health Nursing Science: (DCU002)

1.1. A master's degree qualification in Advanced Nursing Science/Professional Practice. A student intending to enrol for a doctorate degree must have obtained a minimum of 65% in the completed master's degree programme. The doctoral study programme must be completed successfully. A prospective student can challenge the doctoral programme examination.

1.2. The second option for admission to the first year: a master's degree qualification in Advanced Nursing Science. The student who does not comply with the first option of 65% in the master's degree programme could register for the doctoral study programme for non-degree purposes and obtain 60% in this programme.

1.3. Requirements for continued registration (usually during the second and third year of study): the student must demonstrate satisfactory progress with the thesis, as required by die Faculty Higher Degrees Committee of the University.

2. Primary Health Care: Clinical Nursing, Diagnosis Treatment and Care: (DCU015)

2.1. A master's degree qualification in Advanced Nursing Science/Professional Practice. A student intending to enrol for a doctorate degree must have obtained a minimum of 65% in the completed master's degree programme. The doctoral study programme must be completed successfully. A prospective student can challenge the doctoral programme examination.
2.2. The second option for admission to the first year: a master's degree qualification in Advanced Nursing Science. The student who does not comply with the first option of 65% in the master's degree programme could register for the doctoral study programme for non-degree purposes and obtain 60% in this programme.
2.3. Requirements for continued registration (usually during the second and third year of study): the student must demonstrate satisfactory progress with the thesis, as required by die Faculty Higher Degrees Committee of the University.

3. Medical and Surgical Nursing Science: Critical Care Nursing (General): (DCU013)

3.1. A master's degree qualification in Advanced Nursing Science/Professional Practice. A student intending to enrol for a doctorate degree must have obtained a minimum of 65% in the completed master's degree programme. The doctoral study programme must be completed successfully. A prospective student can challenge the doctoral programme examination.
3.2. The second option for admission to the first year: a master's-degree qualification in Advanced Nursing Science. The student who does not comply with the first option of 65% in the master's degree programme could register for the doctoral study programme for non-degree purposes and obtain 60% in this programme.
3.3. Requirements for continued registration (usually during the second and third year of study): the student must demonstrate satisfactory progress with the thesis, as required by die Faculty Higher Degrees Committee of the University.

4. Maternal and Child Nursing Science: Advanced Midwifery and Neonatal Nursing Science: (DCU016)

4.1. A master's degree qualification in Advanced Nursing Science/Professional Practice. A student intending to enrol for a doctorate degree must have obtained a minimum of 65% in the completed master's degree programme. The doctoral study programme must be completed successfully. A prospective student can challenge the doctoral programme examination.
4.2. The second option for admission to the first year: a master's degree qualification in Advanced Nursing Science. The student who does not comply with the first option of 65% in the master's degree programme could register for the doctoral study programme for non-degree purposes and obtain 60% in this programme.
4.3. Requirements for continued registration (usually during the second and third year of study): the student must demonstrate satisfactory progress with the thesis, as required by die Faculty Higher Degrees Committee of the University.

5. Maternal and Child Nursing Science: Neonatal Intensive Care Nursing Science: (DCU012)

5.1. A master's degree qualification in Advanced Nursing Science/Professional Practice. A student intending to enrol for a doctorate degree must have obtained a minimum of 65% in the completed master's degree programme. The doctoral study programme must be completed successfully. A prospective student can challenge the doctoral programme examination.
5.2. The second option for admission to the first year: a master's degree

qualification in Advanced Nursing Science. The student who does not comply with the first option of 65% in the master's degree programme could register for the doctoral study programme for non-degree purposes and obtain 60% in this programme.

5.3. Requirements for continued registration (usually during the second and third year of study): the student must demonstrate satisfactory progress with the thesis, as required by die Faculty Higher Degrees Committee of the University.

6. Professional Nursing Science: Ethos and Professional Practice: (DCU019)

6.1. A master's degree qualification in Advanced Nursing Science/Professional Practice. A student intending to enrol for a doctorate degree must have obtained a minimum of 65% in the completed master's degree programme. The doctoral study programme must be completed successfully. A prospective student can challenge the doctoral programme examination.

6.2. The second option for admission to the first year: a master's degree qualification in Advanced Nursing Science. The student who does not comply with the first option of 65% in the master's degree programme could register for the doctoral study programme for non-degree purposes and obtain 60% in this programme.

6.3. Requirements for continued registration (usually during the second and third year of study): the student must demonstrate satisfactory progress with the thesis, as required by die Faculty Higher Degrees Committee of the University.

7. Professional Nursing Science: Nursing Management: (DCU020)

7.1. A master's degree qualification in Advanced Nursing Science/Professional Practice. A student intending to enrol for a doctorate degree must have obtained a minimum of 65% in the completed master's degree programme. The doctoral study programme must be completed successfully. A prospective student can challenge the doctoral programme examination.

7.2. The second option for admission to the first year: a master's degree qualification in Advanced Nursing Science. The student who does not comply with the first option of 65% in the master's degree programme could register for the doctoral study programme for non-degree purposes and obtain 60% in this programme.

7.3. Requirements for continued registration (usually during the second and third year of study): the student must demonstrate satisfactory progress with the thesis, as required by die Faculty Higher Degrees Committee of the University.

8. Professional Nursing Science: Nursing Education: (DCU021)

8.1 A master's degree qualification in Advanced Nursing Science/Professional Practice. A student intending to enrol for a doctorate degree must have obtained a minimum of 65% in the completed master's degree programme. The doctoral study programme must be completed successfully. A prospective student can challenge the doctoral programme examination/test.

8.2 The second option for admission to the first year: a master's degree qualification in Advanced Nursing Science. The student who does not comply with the first option of 65% in the master's degree programme could register for the doctoral study programme for non-degree purposes and obtain 60% in this programme.

8.3 Requirements for continued registration (usually during the second and third year of study): the student must demonstrate satisfactory progress with the thesis, as required by die Faculty Higher Degrees Committee of the University.

9. Advanced Psychiatric Mental Health Nursing Science: (DCU005)

9.1. A master's degree qualification in Advanced Nursing Science/Professional Practice. A student intending to enrol for a doctorate degree must have obtained a minimum of 65% in the completed master's degree programme. The doctoral study programme must be completed successfully. A prospective student can challenge the doctoral programme examination.
9.2. The second option for admission to the first year: a master's degree qualification in Advanced Nursing Science. The student who does not comply with the first option of 65% in the master's degree programme could register for the doctoral study programme for non-degree purposes and obtain 60% in this programme.
9.3. Requirements for continued registration (usually during the second and third year of study): the student must demonstrate satisfactory progress with the thesis, as required by die Faculty Higher Degrees Committee of the University.
9.4 Registration as a post-basic psychiatric nurse with the SANC.

HS7.25.3 Rules of access and admission requirements

At entrance level, the prospective student should have a minimum of 180 approved credits at level 9.
Registration at SANC as a Nurse in the field that the speciality has been chosen.
DCur orientation programme will be by invitation, and will not be compulsory for the selection to the programme. The programme adds value to the knowledge acquisition.

HS7.25.4 Pass requirements

Refer to the Academic Regulations of the University of Johannesburg.

HS7.25.5 Curriculum

A research thesis.

HS8.0 DEPARTMENT OF OPTOMETRY

HS8.1 BACHELOR OF OPTOMETRY (B9O01Q)

Duration of programme:
Full-time: 4 Years
NQF level 8, 480 NQF credits

HS8.1.1 Purpose

The primary purpose of this qualification is to provide qualifying students with the ability to:
1. Perform visual examinations and relevant procedures included in the scope of Optometry (as stipulated by the Professional Board of Optometry and Dispensing Opticians) in the clinical environment as an optometrist.
2. Independently apply promotive, diagnostic and treatment strategies in a cost effective manner appropriate to the needs of the community.
3. Use critical optometric reasoning for holistic management strategies in diagnosis and prognosis.
4. Establish a foundation for research and life skills for lifelong learning.

HS8.1.2 Outcome

1. Apply thorough competency in professional and clinical responsibilities, scientific optometric skills, optical and allied technologies to ascertain the accuracy of the prescription of the eye care products to visually compromised people.

2. Apply scientific health care skills and optometric technologies in the interactive consultation of patient history while adhering to appropriate medico-legal ethics, health and safety regulations and codes of conduct.
3. Apply scientific health care skills and optometric technologies in the examination of eye and eye related conditions within the context of health services appropriate to the needs of the community, while adhering to appropriate medico-legal ethics, health and safety regulations and codes of conduct.
4. Interact consultatively in the diagnosis and proposed management and delivery of eye care products, therapy and medication to visually compromised people, with knowledge of minimum standards of optometric care and apply self-reflective learning strategies during interactions.
5. Interact consultatively in the management and delivery of eye care products, therapy and medication to visually compromised people, with knowledge of minimum standards of optometric care and apply self-reflective learning strategies during interactions.
6. Record and maintain legible, secure data and patient information while adhering to appropriate medico-legal ethics, health and safety regulations and codes of conduct stated in the patient charter.
7. Manage and administer human, technical and other resources to ensure optimal diagnosis, prescription and delivery of eye and visual care products or services
8. Apply self-reflective learning strategies to continually improve the optometrically related service within health care services appropriate to the specific needs of the patient/client to ensure professional contribution to the needs of the society.

HS8.1.3 Rules of access and admission requirements

Please note:

The admission requirements stated below are the minimum requirements to be considered for selection. Even if all minimum requirements are met, due to selection being based on academic excellence and the limited number of places available in the programme, acceptance into the programme is not assured.

1. Language requirements.
2. Students who enrol at UJ for the first time for an undergraduate course presented through the medium of English must have obtained one of the following results (as the minimum) in their final Grade 12 examination: D symbol for English first Language, HG C symbol for English second Language, HG B symbol for English, SG.
3. Grade 12 Mathematics HG at least 50% (D Symbol) or Grade 12 Mathematics SG at least 70% (B Symbol).
4. Grade 12 Science HG at least 50% (D Symbol) or Grade 12 Science SG at least 70% (B Symbol).
5. Grade 12 Biology HG at least 50% (D Symbol) or Grade 12 Biology SG at least 70% (B Symbol). Biology may be substituted with Grade 12 Physiology HG at least 50% (D Symbol) or Grade 12 Physiology SG at least 70% (B Symbol).
6. M Score of at least 15 points. In calculating the M Score, six (6) subjects will be considered.

or

A National Senior Certificate - APS Score with minimum requirements as shown below:

Minimum APS	Language of teaching and Learning (English)	Mathematics	Mathematical Literacy	Physical Sciences	Life Sciences	Additional Subject 1	Additional Subject 2
29	**5**	**5**	**Not accepted**	**5**	**5**	**5**	**4**

HS8.1.4 Selection criteria

The Department of Optometry of the University of Johannesburg accepts fifty (50) first year students per academic year. This decision is based on available facilities in the Optometry Clinic as well as taking into account the number of students qualifying nationally from other academic institutions. For these reasons, and the high academic demand of the course it is necessary to apply an academic selection process. The selection process targets the most successful students for this course. It also aims to maintain the present excellent throughput rate of first year Optometry students and to limit failures.

Selection is based purely on academic results. Please read together with **HS8.1.3** regarding rules of access.

Selection is completed early in the year to allow unsuccessful candidates to choose an alternative study field. Provisional acceptance will be based on Grade 11 final marks. Students must however attain the minimum requirements as in **HS8.1.3** in order to maintain their selection.

Initially approximately thirty (30) Grade 12 learners are selected purely on academic results. Approximately ten (10) Grade 12 learners will be selected as far as possible according to equity policy.

Twenty (20) additional positions may be available to students applying from other courses such as foundation programmes and BSc programmes at University of Johannesburg. Students applying from other Universities and students with other degrees also will be considered. The selection is based purely on academic performance and an average of 65% for all modules taken is required for consideration.
Selection takes place based on first semester academic results. If students do not maintain similar academic performance, selection will be forfeited. Issues of equity will also be taken into account.

The Department reserves the right to admit a student that may not meet the stipulated requirements as set out. Furthermore admission is at the discretion of the Department.

The following factors will be taken into consideration during the selection process:

1. Academic performance.
2. Equity.
3. Province of origin/residence.
   Preference may be given to students applying from provinces where no institution is presenting an Optometry degree.
4. Gender.

   Due to the fact that the majority of applications are from female students' preference may be given to male applicants.

   The selection of Optometry students will be managed by a committee within the

Department of Optometry. One of the committee members will be the Head of the Department.

As soon as selection and acceptance are completed, students will be notified. Students that are not accepted will be referred to their second choices indicated on the application form.

Some courses are available to learners before the beginning of the Academic first year if they did not attain the required symbols. These courses include courses offered by the Faculty of Science such as WisBlitz and Sciencefix. These courses start on 3 January of each academic year. Students should however inform the Department of Optometry if they intend taking these courses in order to be considered the day of first year registration.

The Department of Optometry strives to complete the selection process as quickly, effectively and objectively as possible. Decisions taken are final and no exceptions will be made. Further communication will not be entered into. No late applications will be considered.

HS8.1.5 Pass requirements

1. The academic rules and regulations of the University of Johannesburg should be read in conjunction with the additional requirements for the programme to continue with the second academic year in Optometry, a student must pass ALL the modules prescribed for the first academic year.
2. If a student in Optometry passes less than 3 modules in the first year, he/she can only continue with the B Optom programme with special permission from the Optometry Department.
3. Students repeating part of the second year, but with credits in Optometry 1 and Dispensing Optometry 1, must attend all the Optometry 1 and Dispensing Optometry 1 practical's again to retain their credits.
4. All modules must be completed successfully and a research report submitted in order to successfully complete the program.
5. Diagnostic Drug Proficiency: All fourth year students in Optometry have to prove their competency in the practical administration of diagnostic drugs and the use of related diagnostic instruments. The required pass mark in this proficiency examination is 75%.
6. A rotation on the primary health care train (PHELOPHEPA) is compulsory for all 4th year Optometry students.
   The maximum duration of the programme is 6 years, excluding community service. On graduating and after completing the possible community service (the fifth year), learners must apply to the HPCSA for full registration.

HS8.1.6 Curriculum

First year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Chemistry 1C	CEM1CA1	
Physics 1C	PHY1CA1	
Human Anatomy 1A	HAN10A1	
Psychology 1A	PSY1AA1	
Mathematics 1A	MAT01A1	

Semester two		
Physics 1D	PHY1DB1	PHY1CA1
Human Anatomy 1B	HAN10B1	HAN10A1
Psychology 1B	PSY1BB1	PSY1AA1
Year Module		
Introduction to Optometry	OPI00Y1	
Second year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Human Physiology 2A	HPH02A2	HAN10A1 HAN10B1
Microbiology 2A	MCB01A2	
Statistical Methods 1A	SMT01A1	
Semester two		
Human Physiology 2B	HPH02B2	HPH02A2
Biochemistry 1B	BIC01B1	
Year modules		
Ophthalmic Optics	OOP00Y2	PHY1CA1 MAT01A1 PHY1DB1 OPI00Y1
Dispensing Optometry 1	DOP00Y2	PHY1CA1 MAT01A1 PHY1DB1
Optics	OPO00Y2	PHY1CA1 MAT01A1 PHY1DB1
Optometry 1 Practical	OPP00Y2	PHY1CA1 MAT01A1 OPI00Y1 PHY1DB1
Optometry 1 Theory	OPT00Y2	PHY1CA1 MAT01A1 OPI00Y1 PHY1DB1
General Pathology for Optometry	OPA00Y2	HAN10A1 HAN10B1 CEM1CA1
Third year		

Module name	Module code	Prerequisite code
Semester one		
Ocular Anatomy and Physiology 3A	OAF03A3	HAN10A1 HAN10B1 HPH20A2 HPH20B2 OPA00Y2
Semester two		
Ocular Anatomy and Physiology 3B	OAF03B3	HAN10A1 HAN10B1 HPH20A2 HPH20B2 OPA00Y2 OAF03A3
Year modules		
Binocular Vision 1	BVI00Y3	OPP00Y2 OPT00Y2
Contact Lenses 1	CTL00Y3	OPP00Y2 OPT00Y2 BIC01B1 OPO00Y2 OOP00Y2
Optometry 2 Practical	OPP00Y3	OPP00Y2 OPT00Y2 DOP00Y2
Optometry 2 Theory	OPT00Y3	OPP00Y2 OPT00Y2 DOP00Y2
Dispensing Optometry 2	DOP00Y3	DOP00Y2 OPP00Y2 OPT00Y2
Paediatric Optometry 1	PED00Y3	OPP00Y2 OPT00Y2 PSY1AA1 PSY1BB1
General and Ocular Pharmacology	OPH00Y3	OPA00Y2 HPH20A2 HPH20B2 MCB01A2
Ocular Pathology 1	OPA00Y3	OPA00Y2 OPP00Y2 OPT00Y2 MCB01A2

Fourth year		
Module name	**Module code**	**Prerequisite code**
Year modules		

Binocular Vision 2	BVI00Y4	BVI00Y3 OPP00Y3 OPT00Y3
Contact Lenses 2	CTL00Y4	CTL00Y3 OPP00Y3 OPT00Y3
Low Vision 1	LVI00Y4	OPP00Y3 OPT00Y3 OPA00Y3
Ocular Pathology 2	OPA00Y4	OPA00Y3 OPH00Y3 OPP00Y3 OPT00Y3
Paediatric Optometry 2	PED00Y4	PED00Y3 BVI00Y3 OPP00Y3 OPT00Y3
Optometry 3 Research Methods	OPP00Y4	OPP00Y3 OPT00Y3
Optometry 3 Theory	OPT00Y4	OPP00Y3 OPT00Y3 BVI00Y3 PED00Y3 CTL00Y3
Community and Environmental Optometry	COB01Y4	OPP00Y3 OPT00Y3
Business Practice, Ethics and Jurisprudence	COB02Y4	OPP00Y3 OPT00Y3

HS8.2 MASTER OF PHILOSOPHY IN OPTOMETRY (M9O01Q)

Duration of programme:
Full-time: Minimum 1 year and maximum 2 years
Part-time: Minimum 2 years and maximum 3 years
NQF level 9, 180 NQF credits (HEQF aligned)
Research dissertation 100%

HS8.2.1 Purpose

The primary purpose of this qualification is to provide qualifying students with the ability to:

1. Perform independent scientific research with an original component.
2. Contribute to knowledge of and insight into optometry as well as the specific discipline of research.
3. Display skills in related research methodologies and in proper formulation through a Master's dissertation.
4. Only a Research Masters can be done.

HS8.2.2 Outcomes

The student will be able to:

1. Identify, formulate, prepare and solve research problems.

2. Execute the research project at the appropriate level.
3. Collect, organize, check, evaluate and write a proper literature review organizing the appropriate information in an understandable and logic manner.
4. Acquire learning abilities in the research context including the assessment of scientific literature, execution of research methodologies including the gathering of data and evaluating the information obtained.
5. Report research findings at the appropriate level.
6. Make conclusions, suggestions and recommendations based on the data collected that are reasonable and justifiable.

HS8.2.3 Rules of access and admission requirements

A Bachelor's degree in Optometry (or equivalent).

HS8.2.4 Pass requirements

Refer to the Academic Regulations of the University of Johannesburg.

HS8.2.5 Curriculum

A research dissertation on an approved topic:

Module name	Module code
Semester one	
Dissertation: Optometry Semester 1	OPT9X01
Semester two	
Dissertation: Optometry Semester 2	OPT9X02

HS8.3 DOCTOR PHILOSOPHIAE (OPTOMETRY) (DPH207)

Duration of programme:
Full-time: Minimum 2 years and maximum 3 years
Part-time: Minimum 3 years and maximum 4 years
NQF level 9
Research thesis 100%

HS8.3.1 Purpose

The primary purpose of this qualification is to provide qualifying students with the ability to:
1. Perform independent original and creative scientific research.
2. Contribute significant knowledge to and insight into optometry as well as the specific discipline of research.
3. Display skills in related research methodologies and in proper formulation through a doctoral dissertation.
4. Reflect upon decision-making, self-directedness and contributions to optometric science.
5. Only a Research Doctorate can be done.

HS8.3.2 Outcomes

The student will be able to:
1. Identify and/or create an original research problem.
2. Design, construct and execute a research project at the highest level.
3. Collect appropriate data in a precise and logical manner and evaluate and judge

the information obtained.

4. Acquire learning abilities in the research context including the assessment of scientific literature, construction of a research project, execution of project, analysis of data and producing sound scientific arguments.
5. Make relevant conclusions based on the data collected that are reasonable and justified.

HS8.3.3 Rules of access and admission requirements

A relevant Master's degree.
Refer to the Academic Regulations of the University of Johannesburg.

HS8.3.5 Curriculum

A research thesis on an approved topic:

Module name	Module code
Semester one	
Thesis: Optometry Semester 1	OMT1191
Semester two	
Thesis: Optometry Semester 2	OMT1192

HS9.0 DEPARTMENT OF PODIATRY

HS9.1 BACCALAUREUS TECHNOLOGIAE: PODIATRY (502-2)

Duration of programme:
Full-time: 4 Years
NQF level 7

HS9.1.1 Purpose

The purpose of the qualification is to develop a student competent in the knowledge and skills required for the Podiatry profession.

1. To devise and deliver planned evidence-based podiatry programmes of care to patients who have a podiatric/medical need both in the private and public health sector.
2. To provide holistic patient assessment, diagnosis and treatment plans and refer appropriately to other professional disciplines.
3. To act as a specialist information and advice resource to patients, colleagues, carers, and other Health Care Professionals within a multi-disciplinary team in order to provide patient- centred care and ensure best practice.
4. To work as an autonomous practitioner or as part of a team to assess specialist clinical conditions, consider a range of management options, and make informed clinical decisions.
5. To contribute to the development of the profession, continuing life-long education and becoming a reflective practitioner.
6. Demonstrate skills in research and management allowing the holder of this qualification to work in a supervisory capacity within the Podiatry profession.
7. Successful completion of this qualification will entitle the student to register with the Health Professions Council of South Africa as a Podiatrist.

HS9.1.2 Outcomes

1. Institute a comprehensive podiatric service to all sectors of the community.
2. Manage a clinical practice for both the public and private sectors.
3. Apply health and safety regulations, guidelines and codes of practice in the performance of podiatric services ensuring personal safety and safety of others.
4. Conduct research in order to advance professional development.
5. Provide podiatric health education to individuals, families, groups and communities.

HS9.1.3 Rules of access and admission requirements

1. A Senior Certificate, or an equivalent qualification at an equivalent standard as determined by a Status Committee, with the following:
2. Two of the following modules:
   2.1. Biology with at least a higher grade D or standard grade C symbol.
   2.2. Physical Science with at least a higher grade D or standard grade C symbol.
   2.3. Mathematics with at least a higher grade D or standard grade C symbol.

3. M-Score: 14

or

A National Senior Certificate - APS Score with minimum requirements as shown below:

Minimum APS	**Language of teaching and Learning (English)**	**Mathematics**	**Mathematical Literacy**	**Physical Sciences**	**Life Sciences**	**Additional Subject 1**	**Additional Subject 2**
25	**4**	**4**	**Not accepted**	**4**	**4**	**4**	**4**

HS9.1.3 Specific rules and regulations for Podiatry students

1. Students must familiarize themselves with the internal rules and regulations of the Department of Podiatry. These rules and regulations, as set out in the Departments Clinical Practice Guidelines, are binding.
2. The programme is not offered as a part time or distance- learning programme. Students who are in full time employment will be unable to continue with their studies.
3. All students (even if not registered for Clinical Practice within that academic year) are required to see a minimum number of patients each year as determined by the department whilst they are registered. This is a requirement to ensure that clinical competencies are retained.
4. Final (4^{th}) year students who fail any module or fail to complete their research project are required to register for Clinical Studies IV module the following year even if they have passed this module to ensure that clinical competencies are retained as per HPCSA requirements.
5. All registered students are required to attend clinics as rostered.
6. Students are required to adhere to the requirements of the department relating to personal appearance and dress code.

HS9.1.4 Pass requirements

1. Students are promoted:
   1.1 To full second-year status if they have passed all the first-year modules.
   1.2 To full third-year status if they have passed all the second-year modules.

1.3 To the fourth year of study if they have passed all third-year modules.

2. Podiatric Medicine Practical and Clinical Practice related module credits are only retained provided that the theory and practical modules / components are passed during the same academic year. Should the student fail either the theory or the practical component of such modules credits are not retained for the past component/s and the student will be required to re-register for the entire module the following year. Students retain credits for all other modules passed.
3. Due to the integrated nature of the subjects, attendances of the following theoretical classes are compulsory: Podiatric Medicine 1, 2, 3 and 4, Clinical Studies 2, 3 and 4.
4. Students may enrol for a module in the following year, provided that:
   4.1 The prerequisite modules were passed.
   4.2 The module selection does not lead to timetable clashes.
   4.3 The module is not a clinical module.
5. In order to gain re-admission to the programme first year students must pass a minimum of 60% of modules.
6. 100% attendance of and participation in, the practical and experiential components are compulsory. If students fail to comply with this requirement, they will not gain examination entry for that particular module.
7. During the four-year of study, students must perform clinical work in the University of Johannesburg clinic and in the Community.
8. Attendance of all theory classes is compulsory. Students will have to provide reasons, in writing, for non-attendance.

HS9.1.5 Curriculum

First year		
Module name	**Module code**	**Prerequisite code**
Semester one		See admission requirements.
Basic Sciences: Physics	PHY1ALT	
Semester two		
Basic Sciences: Chemistry	CET1BH1	
Year modules		
Podiatric Medicine Theory 1	HPMA111	
Podiatric Medicine Practical 1	HPMB111	
Microbiology Theory	HPMC111	
Social Studies	SHCZ111	
Anatomy and Physiology 1	GAF111B	
First Aid Course (level 1)	FAC111P	
Second year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Podiatric Anatomy 2 Theory	GVA212A	GAF111B

Podiatric Anatomy 2 Practical	GVA212B	GAF111B
Year modules		
Podiatric Medicine 2 Theory	HPMA211	CET1BH1, GAF111B PHY1ALT, HPMA111 HPMB111, HPMC111
Physiology 2	HCB21-1	GAF111B CET1BH1 PHY1ALT
Clinical Studies 2 Practical	PKSA211	CET1BH1, GAF111B HPMA111, HPMB111 HPMC111, SHCZ111 FAC111P, PHY1ALT
Clinical Studies 2 Theory	PKSB211	
Podiatric Orthotics Practical	PKSC211	
Podiatric Orthotics Theory	PKSD211	
Third year		
Module name	**Module code**	**Prerequisite code**
Year modules		
Podiatric Medicine 3	HPM32-1	All second year modules must be passed.
Pathology and Medicine Theory	HPMB211	
Clinical Studies 3 Theory	PKSA311	
Clinical Studies 3 Practical	PKSB311	
Surgery 1	GCC211	
Research Methodology 1	WNI211	
Pharmacology 1	HBF31-1	

Fourth year		
Module name	**Module code**	**Prerequisite code**
Year modules		
Podiatric Sports Medicine 4	HPMA411	For fourth year modules, all first, second and third year modules must be passed.
Podopaediatrics 4	HPMB411	
Podogeriatrics 4	HPMC411	
Clinical Studies 4 (Theory)	PKSA411	
Clinical Studies 4 (Practical)	PKSB411	
Research Project and Dissertation	RES42-1	
Health Management Systems	HMS41-1	

HS9.2 MAGISTER TECHNOLOGIAE: PODIATRY (504-1)

Duration of programme:
Full-time: Minimum 1 year and maximum 2 years
NQF level 9
Research dissertation 100%

HS9.2.1 Purpose

The primary purpose of this qualification is to provide qualifying students with the ability to:

1. Perform independent scientific research with an original component.
2. Contribute to knowledge of and insight into podiatry as well as the specific discipline of research.
3. Display skills in related research methodologies and in proper formulation through a Master's dissertation.
4. Reflect upon decision-making, self-directedness and contributions to podiatric science.

HS9.2.2 Outcomes

The student will be able to:

1. Identify, formulate, prepare and solve research problems.
2. Execute the research project at the appropriate level.
3. Collect, organize, check, evaluate and write a proper literature review organizing the appropriate information in an understandable and logic manner.
4. Acquire learning abilities in the research context including the assessment of scientific literature, execution of research methodologies including the gathering of data and evaluating the information obtained.
5. Report research findings at the appropriate level.
6. Make conclusions, suggestions and recommendations based on the data collected that are reasonable and justifiable.

HS9.2.3 Rules of access and admission requirements

A BTech Podiatry or an equivalent qualification in Podiatry at an equivalent standard as determined by a Status Committee and approved by the Faculty Board.

The Department require a two page synopsis of the research topic and methodology before the student is allowed to register or commence with his/her Master's studies. Must be registered with the HPCSA as a Podiatrist.

Selection criteria

Selection is based on approval by the Faculty's Research Committee.

HS9.2.4 Pass requirements

For the Masters the minimum duration is 1 year and maximum is 3 years.

HS9.2.5 Curriculum

Module name	Module code
Semester one	
Dissertation & Research Project: Podiatry	RES5041
Semester two	
Dissertation & Research Project: Podiatry	RES5042

HS10 DEPARTMENT OF SOMATOLOGY

HS10.1 NATIONAL DIPLOMA: SOMATOLOGY (527-1)

Duration of programme:
Full-time: 3 Years
NQF level 5

HS10.1.1 Purpose

This qualification will allow a Somatologist to work as part of a multi-disciplined team in the Somatology field. The qualified Somatologist will have the necessary competencies to apply remedial and holistic soma therapies, technologies and strategies appropriate to a heath and skincare orientated environment.

HS10.1.2 Outcomes

Exit level outcomes:

1. Provide preventative, remedial and holistic health, body and skin care therapy.
2. Manage information.
3. Manage human and other resources.
4. Maintain a safe working environment.
5. Implement quality control.

Specific outcomes:

1. Perform somatherapy client assessment to identify potential pathologies.
2. Provide remedial somatherapies within the parameter of the profession.
3. Apply holistic approach in selecting and performing somatherapies.
4. Evaluate information for action.
5. Plan, allocate and evaluate work carried out by teams, individuals and self.
6. Monitor and control the use of resources, marking.
7. Secure effective financial and resource allocation for activities.

HS10.1.3 Rules of access and admission requirements

A Senior Certificate or an equivalent qualification at an equivalent standard as determined by a Status Committee, with the following:
Compulsory subjects:

1. Biology with at least a higher grade D or standard grade C symbol.
2. English first language with at least a higher grade E or standard grade C symbol.
3. English second language with a higher grade D or standard grade C symbol.
4. Recommended modules:
    4.1. Physical Science.
    4.2. Business Economics.
    4.3. Physiology.

M-Score: 10

or

A National Senior Certificate - APS Score with minimum requirements as shown below:

Minimum APS	Language of teaching and learning	Other recognised language	Mathematics	Mathematical Literacy	Life Orientation	Physical Sciences	Life Sciences	Subject 3
25	**4**	**4**	**3**	**Not accepted**	**4**	**4^**	**4#**	**4**

Selection criteria

Selection is based on:

1. Academic merit.

HS10.1.4 Pass requirements

1. Students are promoted:
    1.1. To full second-year status if they have passed all the first-year modules.
    1.2. To full third-year status if they have passed all the second-year modules.
2. Students must pass a minimum of 60% of the modules in the first year of study to qualify for re-admission to the first year.
3. Students may enrol for a module in the following year provided that:
    3.1. They have passed the prerequisite modules.
    3.2. They have passed both the theory and practical assessments in a module comprising a theory and a practical component.
4. The weighting and pass marks for all assessments are laid out in the learner

guides.

5. Students retain credit for all modules passed.
6. Students may not register for module combinations that lead to timetable clashes.
7. 100% attendance of and participation in the practical and clinical components are compulsory. If students fail to comply with this requirement, they may be disqualified from the final assessment for that particular module.
8. Students may only exit after completing both experiential learner component and have completed the required external hours and community service hours.

HS10.1.5 Curriculum

First Year		
Module name	**Module code**	**Prerequisite code**
Year modules		
Auxiliary Therapy: Waxing (Theory)	STEA111	
Auxiliary Therapy: Manicures and Pedicures (Theory)	STEA112	
Soma Therapy: Facial Therapy 1 (Theory)	STEA113	
Soma Therapy: Body Therapy 1 (Theory)	STEA114	
Auxiliary Therapy: Waxing (Practical)	STEP111	
Auxiliary Therapy: Manicures and Pedicures (Practical)	STEP112	
Soma Therapy: Facial Therapy 1 (Practical)	STEP113	
Soma Therapy: Body Therapy 1 (Practical)	STEP115	
Anatomy and Physiology 1	SAP101	
English: Communication Skills 1	SOC121	
Biotics 1	BIT101	
Science 1	SCI101	
Nutrition 1	SNU11-1	
Aesthetics 1	AES101	
Aesthetics Practical 1	AES101P	
Second Year		
Module name	**Module code**	**Prerequisite code**
Semester one		
End User Computing 1	BEU111	

Year modules

Facial Therapy 2 (Practical)	STE2111	STEA113, STEA111, STEA112, STEA114, STEP111, STEP112, STEP115, STEP113, SAP101
Body Therapy 2 (Practical)	STE2112	STEA114, STEA113, STEA111, STEA112, STEP111, STEP112, STEP115, STEP113, SAP101
Epilation Diathermy 2 (Practical)	STE2113	STEP113, STEA114, STEA113, STEA111, STEA112, STEP111, STEP112, STEP115, SAP101
Facial Therapy 2 (Theory)	STE211A	STEP113, STEA114, STEA113, STEA111, STEA112, STEP111, STEP112, STEP115, SAP101
Body Therapy 2 (Theory)	STE211B	STEA114, STEA113, STEA111, STEA112, STEP111, STEP112, STEP115, STEP113, SAP101
Epilation Diathermy 2 (Theory)	STE211C	STEA114, STEA113, STEA111, STEA112, STEP111, STEP112, STEP115, STEP113, SAP101
Biotics 2	BIT201	BIT101
Nutrition 2	SNU21-1	SNU11-1
Anatomy and Physiology 2	SAP201	SAP101
Business Practice 1	BUP101	
Science 2	SCI201	SCI101
Somatology Practical Training 1	IN3862	STEA114, STEA113, STEA111, STEA112, STEP111, STEP112, STEP115, STEP113, SAP101
First Aid Course (Level 1)	FAC111S	

Third year		
Module name	**Module code**	**Prerequisite code**
Year modules		
Aromatherapy (Theory)	STE311A	IN3862, SAP201 STE211C, STE211B, STE211A, STE2113, STE2111, STE2112
Reflexology (Theory)	STE311B	IN3862, SAP201 STE211C, STE211B, STE211A, STE2113, STE2111, STE2112
Massage Therapies (Theory)	STE311C	IN3862, SAP201 STE211C, STE211B, STE211A, STE2113, STE2111, STE2112
Aromatherapy (Practical)	STE31PA	IN3862, SAP201 STE211C, STE211B, STE211A, STE2113, STE2111, STE2112
Reflexology (Practical)	STE31PB	IN3862, SAP201 STE211C, STE211B, STE211A, STE2113, STE2111, STE2112
Massage Therapies (Practical)	STE31PC	IN3862, SAP201 STE211C, STE211B, STE211A, STE2113, STE2111, STE2112
Biotics 3	BIT301	BIT201
Nutrition 3	SNU32-1	SNU21-1
Applied Biological Sciences 3	ABS301	SCI201 SAP201
Business Practice 2	BUP201	BUP101
Somatology Practical Training 2	IN3863	IN3862, SAP201 STE211C, STE211B, STE211A, STE2113, STE2111, STE2112
Socio-psychology 1	SPY102	

HS10.2 BACCALAUREUS TECHNOLOGIAE: SOMATOLOGY (528-1)

Duration of programme:
Full-time: 1 Year
Part-time: 2 Years
NQF level 6

HS10.2.1 Purpose

This qualification is intended for a Somatologist working as part of a multi-disciplinary team in the field of Somatology. The qualified student will have the competencies to devise and apply clinical and specialised soma therapies in a health environment.

HS10.2.2 Outcomes

Exit level outcomes:

1. Perform specialised and/or paramedical therapies (Health and Somatherapies) within the accepted protocols of the profession.
2. Conduct meaningful research for the advancement and development of the Somatology industry.
3. Manage change.
4. Maintain a safe working environment.
5. Implement and maintain quality assurance and quality control.

Specific outcomes:

1. Perform selected specialised somatherapies.
2. Advance the development of communication between health care providers.
3. Collect and organise information, prepare a research protocol and complete a relevant research project.
4. Develop initiatives for innovation and change.
5. Initiate and implement change and improvement in services, products and systems.

HS10.2.3 Rules of access and admission requirements

1. National Diploma Somatology or an equivalent qualification at an equivalent standard as determined by a Status Committee.
2. In order to comply with the admission requirements, holders of the National Diploma Beauty Technology who registered before 1994 must complete the following additional modules as for the National Diploma Somatology:
   2.1. Computer skills.
   2.2. Nutrition 3.

Selection criteria

Selection takes place on academic merit.

HS10.2.4 Pass requirements

Refer to the Academic Regulations of the University of Johannesburg.

HS10.2.5 Curriculum

Fourth year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Research Methodology	RMD21	See rules of access and admission requirements
Camouflage Therapy	STEA411	
Specialised Massage Techniques: Reflexology 4	STED411	
Social Psychology 2	SPY201	
Semester two		
Business Practice 3	BUP301	
Somatology Project 4	STP41-1	
Soma Techniques Practical	STE411P	
Telangiectasia Treatment	STEC411	
Specialised Massage Techniques: Aromatherapy 4	STEB411	

HS10.3 MAGISTER TECHNOLOGIAE: SOMATOLOGY (530)

Duration of programme:
Part-time: Minimum 2 years and maximum 3 years
NQF level 8
Research dissertation 100%

HS10.3.1 Purpose

The qualified student will have the competence to conduct independent research under minimal guidance in a chosen field, and contribute to knowledge production in that field. The research problem, its justification, process and outcomes are reported in a dissertation, which complies with the general accepted norms for research at this level.

HS10.3.2 Outcomes

Exit level outcomes:

1. Demonstrate knowledge and understanding of the field/area of investigation.
2. Apply research methods and techniques appropriately and correctly.

Specific outcomes:

1. Demonstrate knowledge of the scope of relevant knowledge in the selected field/area of research.
2. Demonstrate understanding of the chosen field.
3. Select the appropriate research method for the investigation.
4. Apply scientific methods correctly in the research process.

HS10.3.3 Rules of access and admission requirements

A BTech Somatology or an equivalent qualification at an equivalent standard as determined by a Status Committee and approved by the Faculty Board.

HS10.3.4 Pass requirements

Refer to the Academic Regulations of the University of Johannesburg.

HS10.3.5 Curriculum

Module	Module code
Semester one	
Dissertation and Research Project: Somatology	RES5301
Semester two	
Dissertation and Research Project: Somatology	RES5302

HS11 DEPARTMENT OF SPORT AND MOVEMENT STUDIES

HS11.1 NATIONAL DIPLOMA: SPORT MANAGEMENT (393-1)

Duration of programme:
Full-time: 3 Years
NQF level 5

HS11.1.1 Purpose

Students will acquire knowledge and practical competencies in the administration and management of small sport enterprises as well as to reflect on their decisions made. More specifically they will obtain those competencies in the functional aspects of management.

HS11.1.2 Outcomes

1. Students should be able to implement the functional management competencies in order to manage a small sport enterprise.
2. Students should be able to organise a sport club event utilizing the principles of event management.
3. Students should be able to do the administration of a small sport enterprise.
4. Students should be able to plan and implement a marketing plan for an event or small sport enterprise.

HS11.1.3 Rules of access and admission requirements

An FETC, Senior Certificate or an equivalent qualification at NQF 4 as determined by a Status Committee, with the following subjects:

1. Compulsory subject English with at least a higher grade D or standard grade C symbol.
2. Minimum M Score of 10.

or

A National Senior Certificate - APS Score with minimum requirements as shown below:

Minimum APS	Language of teaching and learning (English)	Mathematics	Mathematical Literacy	Physical Sciences	Life Sciences	Additional Subject 1	Additional Subject 2
18 with Mathematics 19 with Mathematical Literacy	**3**	**3**	**4**	**3**	**3**	**3**	**3**

Selection criteria

The Department of Sport and Movement Studies base selection on academic merit and availability of places in the programme.

HS11.1.4 Pass requirements

1. Students are promoted:
   1.1. To the second year of study if they have passed at least 2 modules (from either Sport Management 1A and B; or Business Management 1A and B), plus 2 other modules; to the third year of study if they have passed at least 10 modules, including Sport Management 2 and Business management 2.
2. Students must take all outstanding modules of the previous year of study before they may take modules of the following year of study, limited to a maximum of 6 modules in any one year of study.
3. Students retain credit for all modules passed.
4. Students must re-apply for continuation of their studies if they failed to pass an accumulative total of modules of at least:
   4.1. 3 Modules after the first semester of study (one must be Sport Management 1A or Business Management 1A.
   4.2. 6 Modules after the first year of study.
   4.3. 12 Modules after the second year of study.
   4.4. 18 Modules after the third year of study.
5. Work integrated learning: Students must accumulate 900 hours of approved practical work over their three years of study in Sport Management 1C, 2C and 3C. The Department will monitor and evaluate the student's progress.

HS11.1.5 Curriculum

First year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Marketing 1A	BBH11A1	See admission requirements.
Business Management 1A	BEM11A2	
English 1A	PME11A1	
Sport Management 1A	STM11A1	
Semester two		
Marketing 1B	BBH11B1	
Sport Management 1B	STM11B1	
English 1B	PME11B1	
Business Management 1B	BEM11B2	
Year modules		
Sport Management 1C	STM11C1	
Second year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Marketing 2A	BBH221A	BBH11A1 BBH11B1
Sport Management 2A	STM22A2	STM11A1 STM11B1 STM11C1
Public Relations 1A	SKW11A1	
End-User Computing A	BEU11A1	
Business Management 2A	BEM22A2	BEM11A2 BEM11B2
Semester two		
Marketing 2C	BBH221C	BBH11A1 BBH11B1
Sport Management 2B	STM22B2	STM11A1 STM11B1 STM11C1
Public Relations 1B	SKW11B1	
End-User Computing B	BEU11B1	

Business Management 2B	BEM22B2	BEM11A2 BEM11B2
Year module		
Sport Management 2C	STM22C2	STM11A1 STM11B1 STM11C1
Third year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Sport Management 3A	STM33A3	STM22A2 STM22B2 STM22C2
Sport and Physical Recreation Studies 3A	SPR33A3	
Business Management 3A	BEM33A3	BEM22A2 BEM22B2
Semester two		
Sport Management 3B	STM33B3	STM22A2 STM22B2 STM22C2
Sport and Physical Recreation Studies 3B	SPR33B3	
Business Management 3B	BEM33B3	BEM22A2 BEM22B2
Year module		
Sport Management 3C	STM33C3	STM22A2 STM22B2 STM22C2

HS11.2 BACHELOR OF ARTS IN SPORT COMMUNICATION (B9S01Q)

Duration of programme:
Full-time: 3 Years
NQF level 7

HS11.2.1 Purpose

The aim of this qualification is to develop the students' applied competence in sport communication. Applied competence implies the acquisition, analysis, interpretation and application of communication principles related to the context of sport communication in relevant sectors of the sport communication industry.

HS11.2.2 Outcomes

Students will develop the ability to internalize, reflect on and communicate strategic decisions and applications effectively through the correct and suitable use of scientific language and technical terminology associated with sport communication. The

qualification will facilitate effective learning through exposure to, and the application of, appropriate learning styles, thereby enabling them to navigate and holistically manage the dynamic context of sport communication.

HS11.2.3 Rules of access and admission requirements

A Senior Certificate with an M-score of 12, or an equivalent qualification as determined by a Status Committee.

or

A National Senior Certificate - APS Score with minimum requirements as shown below:
LO NOT INCLUDED IN APS

Minimum APS	**Language of teaching and learning (English)**	**Mathematics**	**Mathematical Literacy**	**Physical Sciences**	**Life Sciences**	**Additional Subject 1**	**Additional Subject 1**
23 with Mathematics 24 with Mathematical Literacy	**5**	**3**	**4**	**4**	**4**	**4**	**4**

HS11.2.4 Pass requirements

To be admitted to any module in the second or third academic year of study, and progress to the following year of study, students must have passed at least 60% of the modules in the previous year of study.

HS11.2.5 Curriculum:

Sport and Movement Studies Students are not allowed to register for specialized modules within the Department of Communication.

First year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Kinesiology 1A	KIN01A1	See Admission Requirements
Sport Administration 1C	SPA01C1	
Anatomy & Physiology 1A	ANP01A1	
Communication 1A (Intro to Communication)	CMS1AA1	
English 1C (First Semester)	ENG0CA1	

Semester two		
Kinesiology 1B	KIN01B1	
Sport Practice 1D	SPP01D1	
Anatomy & Physiology 1A	ANP01B1	
Communication 1B (Mass Communication)	CMS1BB1	CMS1AA1
General Computer Literacy	GCL11B1	
Word Processing and Pres. Appl.	WPP11B1	
Spread sheets and Databases	SND11B1	
Information Literacy	INL11B1	
Second year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Didactics and Exercise Science 2A	DES02A2	
Sport Management 2C	SPM02C2	
Communication 2A (Intro to Communication)	CMS2AA2	CMS1BB1
Semester two		
Exercise Science 2B	EXS02B2	
Leisure and Sport Tourism Studies 2D	LST02D2	
Practical Aspects 2E	PRA02E2	
Communication 2B (Communication Research)	CMS2BB2	CMS2AA2
Third year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Sport Psychology and Perceptual Motor Learning 3A	SPP03A3	
Communication 3A (Organisational Communication)	CMS3AA3	CMS1AA1 CMS1BB1
Semester two		
Sport Sociology 3B	SPS03B3	
Work Integrated Learning 3E	WIL03E3	
Communication 3B (Global Communication)	CMS3BB3	CMS3AA3

HS11.3 BACHELOR OF ARTS IN SPORT DEVELOPMENT (B9S03Q)

Duration of programme:
Full-time: 3 Years
NQF level 7

HS11.3.1 Purpose

Successful students will have acquired the intellectual competencies and practical skills to enable them to become practitioners in the field of Sport Development.

HS11.3.2 Outcomes

This field entails three levels: Firstly on the micro-level it deals with the study of the development of individual competencies with regard to movement. Secondly on the meso-level it refers to the way in which community development can be facilitated through participation in sport and recreation and the establishment of facilities. Thirdly on the macro-level the possible positive social impact of sport and recreation on society generally towards the enhancement of the quality of human life is studied. This then implies the acquisition, analysis, interpretation and application of social science principles related to the context of sport development. Students will develop the ability to discuss and investigate human conduct and interaction in sport and recreation, particularly in the South African context.

HS11.3.3 Rules of access and admission requirements

A Senior Certificate with an M-score of 12, or an equivalent qualification as determined by a Status Committee.

or

A National Senior Certificate - APS Score with minimum requirements as shown below:

Minimum APS	Language of teaching and learning (English)	Mathematics	Mathematical Literacy	Physical Sciences	Life Sciences	Additional Subject 1	Additional Subject 2
23 with Mathematics 24 with Mathematical Literacy	**5**	**3**	**4**	**4**	**4**	**4**	**4**

HS11.3.4 Pass requirements

To be admitted to any module in the second or third academic year of study, and progress to the following year of study, students must have passed at least 60% of the modules in the previous year of study.

HS11.3.5 Curriculum

First year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Kinesiology 1A	KIN01A1	See Admission requirements
Sport Administration 1C	SPA01C1	
Anatomy & Physiology 1A	ANP01A1	
Anthropology 1A	ATL1AA1	
Development Studies 1A	DEV1AA1	
Sociology 1A	SOC1AA1	
Semester two		
Kinesiology 1B	KIN01B1	
Sport Practice 1D	SPP01D1	
Anatomy & Physiology 1A	ANP01B1	
Anthropology 1B	ATL1BB1	
Development Studies 1B	DEV1BB1	
Sociology 1B	SOC1BB1	
Second year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Didactics and Exercise Science 2A	DES02A2	
Development Studies 2A	DEV2AA2	
Sociology 2A	SOC2AA2	
Semester two		
Exercise Science 2B	EXS02B2	
Practical Aspects 2E	PRA02E2	
Development Studies 2B	DEV2BB2	
Leisure and Sport Tourism Studies 2D	LST02D2	
Sociology 2B	SOC2BB2	

Third year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Sport Psychology and Perceptual Motor Learning 3A	SPP03A3	
Development Studies 3A	DEV3AA3	DEV1AA1 DEV1BB1
OR		
Sociology 3A	SOC3AA3	SOC1AA1 SOC1BB1
Semester two		
Sport Sociology 3B	SPS03B3	
Work Integrated Learning 3E	WIL03E3	
Development Studies 3B	DEV3BB3	DEV3AA3
OR		
Sociology 3B	SOC3BB3	SOC1AA1 SOC1BB1

HS11.4 BACHELOR OF ARTS IN SPORT PSYCHOLOGY (B9S02Q)

Duration programme:
Full-time: 3 Years
NQF level 7

HS11.4.1 Purpose

The primary purpose of this qualification is to provide qualifying students with: a broad-based, strong and cohesive knowledge foundation for further studies in Sport Psychology; a knowledge foundation for applied and fundamental research in Psychology; analytical, interpretive and integrative skills that have practical value for the society as a whole and the ability to reflect on Sport Psychology and have a holistic view of Sport Psychology and its application in various contexts.

HS11.4.2 Outcomes

Upon completion of this course the student should be able to apply the knowledge to fundamental research in Psychology, analytical, interpretive and integrative skills that have practical value for the society as a whole and the ability to reflect on Sport Psychology and have a holistic view of Sport Psychology and its application in various contexts. Students will develop the ability to discuss, problematize and investigate human conduct and interaction in sport and recreation, particularly in the South African context.

HS11.4.3 Rules of access and admission requirements

A Senior Certificate with an M-score of 12, or an equivalent qualification as determined by a Status Committee.

or

A National Senior Certificate - APS Score with minimum requirements as shown below:

Minimum APS	Language of teaching and learning (English)	Mathematics	Mathematical Literacy	Physical Science	Life Sciences	Additional Subject 1	Additional Subject 2
23 with Mathematics 24 with Mathematical Literacy	**5**	**3**	**4**	**4**	**4**	**54**	**3**

HS11.4.4 Pass requirements

To be admitted to any module in the second or third academic year of study, and progress to the following year of study, students must have passed at least 60% of the modules in the previous year of study.

HS11.4.5 Curriculum

First year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Kinesiology 1A	KIN01A1	See Admission Requirements
Sport Administration 1C	SPA01C1	
Anatomy & Physiology 1A	ANP01A1	
Psychology 1A	PSY1AA1	
Sociology 1A	SOC1AA1	
Semester two		
Kinesiology 1B	KIN01B1	
Sport Practice 1D	SPP01D1	
Anatomy & Physiology 1A	ANP01B1	
Psychology 1B	PSY1BB1	
Sociology 1B	SOC1BB1	

Second year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Didactics and Exercise Science 2A	DES02A2	
Sport Management 2C	SPM02C2	
Developmental Psychology 2A	PSY2AA2	PSY1AA1 PSY1BB1
Sociology 2A	SOC2AA2	
Semester two		
Exercise Science 2B	EXS02B2	
Practical Aspects 2E	PRA02E2	
Positive Psychology 2D	PSY2DB2	PSY2AA2
Sport Psychology	SPS2BB2	PSY2DB2
Leisure and Sport Tourism Studies 2D	LST02D2	
Sociology 2B	SOC2BB2	
Third year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Sport Psychology and Perceptual Motor Learning 3A	SPP03A3	
Research Psychology 3A	PSY3AA3	PSY2DB2
Sport Psychology 3A	SPS3AA3	
Semester two		
Sport Sociology 3B	SPS03B3	
Work Integrated Learning 3E	WIL03E3	
Psychopathology 3D	PSY3DB3	PSY3AA3
Sport Psychology 3B	SPS3BB3	

HS11.5 BACHELOR OF COMMERCE IN SPORT MANAGEMENT (B9S04Q)

Duration of programme:
Full-time: 3 Years
NQF level 7

HS11.5.1 Purpose

The student should develop applied competencies in the mastering, analysis, interpretation and application of management principles in the fitness and health, coaching, teaching and retailing sectors of the sport industry.

HS11.5.2 Outcome

Students will develop the ability to internalize, reflect on, and communicate strategic decisions and applications effectively through the correct and suitable use of scientific language and technical terminology associated with sport management. The qualification will facilitate effective learning through exposure to, and the application of, appropriate learning styles, thereby enabling them to navigate and holistically manage the dynamic context of sport management.

HS11.5.3 Rules of access

A Senior Certificate with an M-score of 12, or an equivalent qualification as determined by a Status Committee. Maths (HG = 50%), (Maths SG = 60%).

or

A National Senior Certificate - APS Score with minimum requirements as shown below:

Minimum APS	Language of teaching and Learning (English)	Mathematics	Mathematical Literacy	Physical Sciences	Life Sciences	Additional Subject 1	Additional Subject 2
23	**4**	**4**	**Not accepted**	**4**	**4**	**4**	**3**

HS11.5.4 Pass Requirements

To be admitted to any module in the second or third academic year of study, and progress to the following year of study, students must have passed at least 60% of the modules in the previous year of studies.

HS11.5.5 Curriculum

First year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Analytical Techniques A	ATE01A1	
Industrial Psychology 1A	IPS11A1	
Kinesiology 1A	KIN01A1	

Sport Administration 1A	SPA01C1	
Anatomy & Physiology 1A	ANP01A1	
Business Management 1A	BMA11A1	
Semester two		
Analytical Techniques B	ATE01B1	ATE01A1
Industrial Psychology 1B	IPS21B1	
Kinesiology 1B	KIN01B1	
Sport Practice 1D	SPP01D1	
Anatomy & Physiology 1A	ANP01B1	
Business Management 1B	BMA21B1	
Second year:		
Module name	**Module code**	**Prerequisite code**
Semester one		
Industrial Psychology 2A	IPS12A2	
Didactics and Exercise Science 2A	DES02A2	
Sport Management 2C	SPM02C2	
Business Management 2A	BMA12A2	BMA11A1
One of the following: Economics 1A	ECO01A1	
or Accounting A	ACC0AA1	
Semester two		
Industrial Psychology 2B	IPS22B2	
Exercise Science 2B	EXS02B2	
Practical Aspects 2E	PRA02E2	
Leisure and Sport Tourism Studies 2D	LST02D2	
Business Management 2B	BMA22B2	BMA21B1
One of the following: Economics 1B	ECO01B1	
or Accounting B	ACC0BB1	ACC0AA1

Third year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Industrial Psychology 3A	IPS13A3	IPS12A2
Sport Psychology and Perceptual Motor Learning 3A	SPP03A3	
Sport Marketing and Finance 3C	SFM03C3	
Business Management 3A	BMA13A3	BMA12A2
Semester two		
Industrial Psychology 3B	IPS23B3	IPS22B2
Sport Sociology 3B	SPS03B3	
Work Integrated Learning 3E	WIL03E3	
Facility, Event and Human Resource Management in Sport 3D	FEH03D3	
Business Management 3B	BMA23B3	BMA22B2

HS11.6 BACHELOR OF BIOKINETICS (B9S05Q)

Duration of programme:
Full-time: 4 Years
NQF level 8

HS11.6.1 Purpose

The qualification serves as a foundation and core knowledge base whereby the acquisition of professional abilities such as competence, skills, values and attitudes are ensured, as well as gaining applied competence to act as a specialist health care professional, namely a Biokineticist, should prove to be the end product. Competent and qualified Biokineticists are able to work in a variety of settings, including the public and private sector and in both urban and rural settings. Biokineticists primarily utilise their professional expertise in exercise, physical activity and health education to enhance/promote health in general, and specifically prevent dysfunction, restore and maintain an individual's compromised functional ability, particularly in respect of orthopaedic injury and chronic disease states.

The qualification will provide all economic sectors with a pool of well-qualified people whose competence will be internationally recognised and who will be able to perform specialised biokinetic health care services within any community setting.

The Professional Qualification: Health Professional-Biokineticist is distinct from other qualifications in the health care profession as its main focus is scientifically based prescriptive exercise in the four domains of practice.

HS11.6.2 Outcome

Competent Biokineticists are able to:

1. Demonstrate knowledge, competence, skills and attitudes related to the structure and function of the human body systems.
2. Demonstrate knowledge, competence, skills and attitudes related to the psychosocial aspects of health and human performance.
3. Demonstrate knowledge, competence, skills and attitudes related to biomechanics.
4. Demonstrate knowledge, competence, skills and attitudes related to exercise physiology and clinical exercise physiology for rehabilitation.
5. Demonstrate specialised knowledge, competence, skills and attitudes related to human motor behaviour.
6. Demonstrate adequate knowledge, competence, skills and attitudes related to exercise science.
7. Plan and implement effective and efficient therapeutic and recreation programmes.
8. Apply specialised knowledge, competence, skills and attitudes related to health promotion, health education and health related aspects of exercise and physical activity in individual, community and work context.
9. Apply relevant and appropriate knowledge, competence, skills and attitudes related to the prevention and rehabilitation of musco-skeletal injuries.
10. Apply relevant knowledge, competence, skills and attitudes in conducting scientific measurement and evaluation in biokinetic contexts.
11. Apply relevant knowledge, competence, skills and attitudes to the management of chronic diseases and disabilities.
12. Demonstrate competence of the research process and various methodologies as well as apply the relevant knowledge, skills and attitudes in conducting a research project on a biokinetics or related topic.
13. Manage a private or public biokinetics practice or health care facility.

HS11.6.3 Rules of access

A Senior Certificate with university exemption with a minimum M-score of 16, or an equivalent qualification as determined by a Status Committee. Life Sciences, although not compulsory, is highly recommended for entrance into the degree.

or

A National Senior Certificate - APS Score with minimum requirements as shown below: Life Sciences, although not compulsory, is highly recommended for entrance into the degree.

Minimum APS	**Language of teaching and learning (English)**	**Mathematics**	**Mathematical Literacy**	**Additional Subject 1**	**Additional Subject 2**	**Additional Subject 3**	**Additional Subject 4**
28 with Mathematics 29 with Mathematical Literacy	**5**	**4**	**5**	**5**	**5**	**5**	**4***

HS11.6.4 Selection criteria

NB: All students accessing this qualification are required to register with the Health Professions Council of South Africa (HPCSA) for the duration of the study period.

In addition to the above, numbers for this programme will be capped and thus the applicants will be selected based on their APS score and Departmental requirements.

HS11.6.5 Pass Requirements

To be admitted to any module in the second or third academic year of study, and progress to the following year of study, students must have passed at least 60% of the modules in the previous year of studies.

HS11.6.6 Curriculum

First year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Nutrition 1	NUT01A1	
Practice Administration 1	PAM01A1	
Psychology 1A	PSY1AA1	
Semester two		
Biomechanics 1	BIM01B1	
Psychology 1B		
Year modules		
Anatomy and Physiology 1	AAP01Y1	
Biokinetics 1	BIK01Y1	
Second year:		
Module name	**Module code**	**Prerequisite code**
Year modules		
Anatomy and Physiology 2	AAP01Y2	AAP01Y1
Biokinetics 2	BIK01Y2	BIK01Y1
Exercise Physiology	EXP01Y2	AAP01Y1
Perceptual Motor Behaviour	PMB01Y2	

Third year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Exercise Science	EXS01A3	AAP01Y2
Research Methodology	RME01A3	
Semester two		
Clinical Exercise Science	CEX01B3	AAP01Y2
Year modules		
Biokinetics 3	BIK01Y3	BIK01Y2
Biokinetics Practice 1	BIO01Y3	BIK01Y2
Fourth year		
Module name	**Module code**	**Prerequisite code**
Semester one		
Practice Management and Entrepreneurship	PME01A1	
Year modules		
Biokinetics 4	BIK01Y4	BIK01Y3
Biokinetics Practice 2	BIO01Y4	BIK01Y3
Biokinetics Research: Mini Dissertation	BRD01Y4	

HS11.7 BACHELOR OF ARTS HONOURS IN BIOKINETICS (H9S01Q)

Duration of programme:
Full-time: 1 Year
NQF level 8

HS11.7.1 Purpose

The primary purpose of this qualification is to provide qualifying students with the ability to:

1. Work as a biokineticist in a variety of settings, including the public and private sector as well as in rural communities.
2. Provide learners with the necessary knowledge and skills in health promotion, orthopaedic rehabilitation and chronic disease management.
3. Function as independent clinical practitioners in a variety of clinical settings.

Successful completion of this qualification will entitle the student to register with the Health Professions Council of South Africa (HPCSA) as a Biokineticist intern.

HS11.7.2 Outcomes

After completion of the programme, the student will be able to:

1. Perform routine and specialized assessments on patients within the fields of orthopaedic conditions (e.g. lower back pain and interior knee pain) and chronic conditions (e.g. stroke and hypertension).
2. Communicate clinical findings to the patient as well as to the referring practitioner or other health care professional by means of written, electronic and verbal means.
3. Plan, develop and implement individualized, scientific-based rehabilitation interventions to manage each patient's condition.
4. Monitor the rehabilitation and progress of each patient under their care and ensure their safety during exercise participation.
5. Regularly re-assess patients and adapting the prescription if necessary to ensure that progress is being made.
6. Educate patients regarding their condition and how to prevent future re-injury or relapses in their condition.
7. Apply evidence-based criteria for the patients' discharge from rehabilitation and their return to activities of daily living (e.g. work, leisure and sport participation).
8. Perform screening for diseases of lifestyle (e.g. coronary artery disease and cancer) using a variety of methods in different public, community and corporate settings.
9. Communicate findings to the stakeholders involved by means of written, electronic and verbal means.
10. Plan, develop and implement appropriate educational and exercise-based strategies to help prevent hypokinetic diseases and to promote health.
11. Establish an appropriate referral network to serve the needs of patients and clients alike.
12. Apply the principles of human rights, ethics and relevant medical law which ensure the well-being of the patient.
13. Apply the principles, specific knowledge, skills and values related to the different disciplines within Biokinetics.
14. Conduct research in the field of Biokinetics.

HS11.7.3 Rules of Access

Access will be provided to the student who is in possession of a BCom (Sport Management), BA (Sport Psychology), BA (Sport Development), BA (Sport Communication), BSc (Sport Science) or any equivalent qualification majoring in Human Movement Studies with a programme specific minimum level of competency on NQF Level 7, as prescribed by the Health Professions Council of South Africa (HPCSA), generating a minimum of 360 credits. Preparatory study may be required by the Department. Applications for admission until 2018 are considered by a Departmental selection committee and only a limited number of students are admitted each year. The limited number of students admitted is based on the Department's capacity to adequately expose the students to clinical work, student to supervisor ratios and the number of students qualifying nationally from other academic institutions.

HS11.7.4 Curriculum

Module name	**Module code**
Semester one	
Physical Wellness	HMS8X07
Pathophysiology	HMS8X02

Semester Two	
Clinical Exercise Science	HMS8X01
Exercise Physiology	HMS8X08
Year modules	
Research Methodology	HMS8X03
Biokinetics Paper 1	HMS8X05
Biokinetics Paper 2	HMS8X06
Biokinetics Practice	HMS8X04

HS11.8 BACHELOR OF COMMERCE HONOURS IN SPORT MANAGEMENT (H9S05Q)

Duration of programme:
Full-time: 1 Year
Part-time: 2 Years
NQF level 8

HS11.8.1 Purpose

The student should develop applied competencies in the mastering, analysis, interpretation and application of management principles in the fitness and health, coaching, teaching and retailing sectors of the sport industry. The students should be able to reflect on their managerial decisions and applications to assess the effect thereof in the holistic context of sport management as practice.

HS11.8.2 Outcome

The student should be able to:
1. Resolve typical problems that exist in the management of sport environments.
2. Plan, implement and analyse research in a sport environment.
3. Apply different learning strategies in the study of sport and related competencies.
4. Apply strategic planning competencies.
5. Execute financial planning, control and analysis.
6. Manage the human resources of a sport environment/organization.
7. Plan, execute and evaluate a sport event(s).

HS11.8.3 Rules of access

A potential student should be in possession of a BCom (Sport Management) or any related qualification with a program specific minimum level of competency on the NQF Level 7 generating 360 credits with an overall minimum average of 60%. Applications for admission are considered by a Departmental selection committee and a limited number is admitted every year. The limited number of students admitted is based on the Department's capacity to adequately expose the students to Work Integrated Learning (WIL) and student to supervisor ratios.

HS11.8.4 Curriculum

Module name	Module code
Semester one	
Facility and Event Management	HMS8X12
Sport Marketing	HMS8X14
Sport Sociology	HMS8X17
Strategic Management in Sport	HMS8X18
Semester two	
Human Resource Management in Sport	HMS8X13
Sport Finance	HMS8X15
Year modules	
Research Methodology	HMS8X03
Sport Management Practice	HMS8X16

HS11.9 BACHELOR OF ARTS HONOURS IN SPORT MANAGEMENT (HBA053)

Duration of programme:
Full-time: 1 Year
Part-time: 2 Years
NQF level 8

HS11.9.1 Purpose

The student should develop applied competencies in the mastering, analysis, interpretation and application of management principles in the fitness and health, coaching, teaching and retailing sectors of the sport industry. The students should be able to reflect on their managerial decisions and applications to assess the effect thereof in the holistic context of sport management as practice.

HS11.9.2 Outcome

The student should be able to:
1. Resolve typical problems that exist in the management of sport environments.
2. Plan, implement and analyse research in a sport environment.
3. Apply different learning strategies in the study of sport and related competencies.
4. Apply strategic planning competencies.
5. Execute financial planning, control and analysis.
6. Manage the human resources of a sport environment/organization.
7. Plan, execute and evaluate a sport event(s).

HS11.9.3 Rules of access

A potential student should be in possession of a degree or any relevant qualification with a program specific minimum level of competency on the NQF Level 7 generating 360 credits with an overall minimum average of 60%. Applications for admission are considered by a Departmental selection committee and a limited number is

admitted every year. The limited number of students admitted is based on the Department's capacity to adequately expose the students to Work Integrated Learning (WIL) and student to supervisor ratios.

HS11.9.4 Curriculum

Module name	Module code
Semester one	
Facility and Event Management	SPB08X7
Sport Marketing	SPB10X7
Sport Sociology	SPB13X7
Strategic Management in Sport	SPB14X7
Semester two	
Human Resource Management in Sport	SPB09X7
Sport Finance	SPB11X7
Year modules	
Research Methodology	SPB01X7
Sport Management Practice	SPB12X7

HS11.10 BACHELOR OF ARTS HONOURS IN SPORT SCIENCE (H9S03Q)

Duration of programme:
Full-time: 1 Year
Part-time: 2 Years
NQF level 8

HS11.10.1 Purpose

The student should develop applied competence in the analysis, interpretation and application of sport science principles in the fitness and health, coaching and teaching sectors of the sport industry. The student should be able to take strategic decisions in the context of sport science and to assess any internal or external decision impacting on sport science. The student should further be able to reflect on his/her scientific decisions and applications to assess the effect thereof in the holistic context of sport science as practice.

HS11.10.2 Outcome

Students will develop the ability to internalize, reflect on and communicate related Sport Science principles in the fitness and health, coaching and teaching sectors of the Sport industry. The student should further be able to reflect on his/her scientific decisions and applications to assess the effect thereof in the holistic context of sport science as practice.

HS11.10.3 Rules of access

Access will be provided to a student who is in possession of a BCom (Sport Management) or sport related BA (Sport Science or Human Movement Studies) degree generating a minimum of 360 credits. Applications for admission are considered by a Departmental selection committee.

HS11.10.4 Curriculum

Module name	Module code
Semester one	
Sport Vision	HMS8X19
Semester two	
Sport Psychology	HMS8X10
Exercise Physiology	HMS8X08
Year modules	
Research Methodology	HMS8X03
Exercise Science	HMS8X09
Sport Science Practice	HMS8X11

HS11.11 BACHELOR OF SCIENCE HONOURS IN SPORT SCIENCE (HBS019)

Duration of programme:
Full-time: 1 Year
Part-time: 2 Years
NQF level 8

HS11.11.1 Purpose

The student should develop applied competence in the analysis, interpretation and application of sport science principles in the fitness and health, coaching and teaching sectors of the sport industry. The student should be able to take strategic decisions in the context of sport science and to assess any internal or external decision impacting on sport science. The student should further be able to reflect on his/her scientific decisions and applications to assess the effect thereof in the holistic context of sport science as practice.

HS11.11.2 Outcomes

The student should be able to:
1. Resolve typical problems that exist in the management of sport environments.
2. Plan, implement and analyse research in a sport environment.
3. Apply different learning strategies in the study of sport and related competencies.
4. Apply strategic planning competencies.
5. Execute financial planning, control and analysis.
6. Manage the human resources of a sport environment/organization.

HS11.11.3 Rules of access

Access will be provided to the student who is in possession of a BSc (Sport Science) generating a minimum of 360 credits. Applications for admission are considered by a Departmental selection committee.

HS11.11.4 Curriculum

Module name	Module code
Semester one	
Sport Vision	SVIS001
Semester two	
Sport Psychology	SPB16X7
Year modules	
Research Methodology	SPB01X7
Exercise Science	SPB07X7
Sport Science Practice	SPB17X7
Exercise Physiology	SPB06X7

HS11.12 MASTER OF PHILOSOPHY IN BIOKINETICS (M9S03Q)

Duration of programme:
Full-time: Minimum 1 year and maximum 2 years
Part-time: Minimum 2 years and maximum 3 years
NQF level 9, 180 credits
Research dissertation 100%

HS11.12.1 Purpose

1. Perform independent scientific research with an original component.
2. Contribute to knowledge of and insight into Biokinetics as well as the specific discipline of research.
3. Display skills in related research methodologies and in proper formulation through a Master's dissertation.
4. Reflect upon decision-making, self-directedness and contributions to Biokinetics industry and practice.

HS11.12.2 Outcome

The student will be able to:
1. Identify, formulate, prepare and solve research problems.
2. Execute the research project at the appropriate level.
3. Collect, organize, check, evaluate and write a proper literature review organizing the appropriate information in an understandable and logic manner.
4. Acquire learning abilities in the research context including the assessment of scientific literature, execution of research methodologies including the gathering of data and evaluating the information obtained.
5. Make conclusions, suggestions and recommendations based on the data collected that are logical and justifiable.
6. Produce one article for peer-reviewed publication.

HS11.12.3 Rules of access

Access will be provided to the student who is in possession of an Honours qualification in Biokinetics according to the Faculty Rules and Regulations.

HS11.12.4 Curriculum

A dissertation on an approved topic. Refer to the Academic Regulations booklet for applicable regulations on masters' qualifications.

Module name	Module codes
Semester one	
Dissertation: Biokinetics	HMS9X03
Semester two	
Dissertation: Biokinetics	HMS9X04

HS11.12.5 Closing date for applications

The closing date for applications is 31 January for study commencing in the first semester and 30 June for study commencing in the second semester.

HS11.13 MASTER OF COMMERCE / MASTER OF PHILOSOPHY IN SPORT MANAGEMENT (M9S02Q) (M9S04Q)

Duration of programme:
Full-time: Minimum 1 year and maximum 2 years
Part-time: Minimum 2 years and maximum 3 years
NQF level 9, 180 credits
Research dissertation 100%

HS11.13.1 Purpose

Through the masters' dissertation a qualifying student would show evidence of independent and original scientific work. The dissertation would constitute a decided contribution to knowledge of and insight into the subject discipline as well as the field of research. Qualifying students would also display competence in the application of related research methodology, and the proper written and/or oral communication of the research process and findings. The student should be able to reflect on his/her research decisions and applications to assess the effect thereof in the holistic context of the sport industry.

HS11.13.2 Outcome

The student will be able to:
1. Identify, formulate, prepare and solve research problems.
2. Execute the research project at the appropriate level.
3. Collect, organize, check, evaluate and write a proper literature review organizing the appropriate information in an understandable and logic manner.
4. Acquire learning abilities in the research context including the assessment of scientific literature, execution of research methodologies including the gathering of data and evaluating the information obtained.

5. Make conclusions, suggestions and recommendations based on the data collected that are logical and justifiable.
6. Produce one article for peer-reviewed publication.
7. Present the findings at a national forum.

HS11.13.3 Rules of access

Access will be provided to the student who is in possession of an Honours qualification in Sport Management. In the case of an interdisciplinary of interdisciplinary master's programmes (MPhil), additional admission requirements may be set by the two or more relevant interdisciplinary fields/departments/faculties, and contained in the relevant Faculty Rules and Regulations.

HS11.13.4 Curriculum

A dissertation on an approved topic. Refer to the Academic Regulations booklet for applicable regulations on masters' qualifications.

Module name	**Module code**
Semester one	
Dissertation: Sport Management (MCom) Dissertation: Sport Management (MPhil)	HMS9X01 HMS9X05
Semester two	
Dissertation: Sport Management (MCom) Dissertation: Sport Management (MPhil)	HMS9X02 HMS9X06

HS11.13.5 Closing date for applications

The closing date for applications is 31 January for study commencing in the first semester and 30 June for study commencing in the second semester.

HS11.14 MASTER OF PHILOSOPHY IN SPORT SCIENCE (M9S06Q)

Duration of programme:
Full-time: Minimum 1 year and maximum 2 years
Part-time: Minimum 2 years and maximum 3 years
NQF level 9, 180 credits
Research dissertation 100%

HS11.14.1 Purpose

Through the master's dissertation in which the qualification finally culminates, a qualifying student would show evidence of independent and original scientific work. The dissertation would constitute a decided contribution to knowledge of and insight into the subject discipline as well as the field of research. Qualifying students would also display competence in the application of related research methodology, and the proper written and/or oral communication of the research process and findings. The student should be able to reflect on his/her research decisions and applications to assess the effect thereof in the holistic context of the sport science industry.

HS11.14.2 Outcome

The student will be able to:

1. Identify, formulate, prepare and solve research problems.
2. Execute the research project at the appropriate level.
3. Collect, organize, check, evaluate and write a proper literature review organizing the appropriate information in an understandable and logic manner.
4. Acquire learning abilities in the research context including the assessment of scientific literature, execution of research methodologies including the gathering of data and evaluating the information obtained.
5. Make conclusions, suggestions and recommendations based on the data collected that are logical and justifiable.
6. Produce one article for peer-reviewed publication.
7. Present the findings at a national forum.

HS11.14.3 Rules of access

Access will be provided to the student who is in possession of an honours qualification in Sport Science according to the Faculty Rules and Regulations.

HS11.14.4 Curriculum

A dissertation on an approved topic. Refer to the Academic Regulations booklet for applicable regulations on masters' qualifications.

Module name	**Module code**
Semester one	
Dissertation: Sport Science	HMS9X07
Semester two	
Dissertation: Sport Science	HMS9X08

HS11.14.5 Closing date for applications

The closing date for applications is 31 January for study commencing in the first semester and 30 June for study commencing in the second semester.

HS11.15 DOCTOR OF PHILOSOPHY IN BIOKINETICS (DPH331)

Duration of programme:
Full-time: Minimum 2 years and maximum 3 years
Part-time: Minimum 3 years and maximum 4 years
NQF level 8, 360 credits
Research thesis 100%

HS11.15.1 Purpose

The primary purpose of this qualification is to provide qualifying students with the ability to:

1. Perform independent original and creative scientific research.
2. Contribute significant knowledge to and insight into Biokinetics as well as the specific discipline of research.
3. Display skills in related research methodologies and in proper formulation through a doctoral thesis.

4. Reflect upon decision-making, self-directedness and contributions to the Biokinetics profession.

HS11.15.2 Outcome

The student will be able to:
1. Identify and/or create an original research problem.
2. Design, construct and execute research at this level.
3. Collect appropriate data in a precise and logical manner and evaluate and judge the information obtained.
4. Acquire learning abilities in the research context including the assessment of scientific literature, construction of a research project, execution of the project, analysis of the data and producing sound scientific arguments.
5. Make relevant conclusions based on the data collected that are logical and justified.
6. Produce one article for peer-reviewed publication.

HS11.15.3 Rules of access

Access will be provided to the student who is in possession of a masters' qualification in Biokinetics with a programme specific minimum level of competency on NQF Level 9, generating a minimum of 180 credits.

HS11.15.4 Curriculum

A thesis on an approved topic. Refer to the Academic Regulations booklet for applicable regulations on doctorate qualifications.

Module name	**Module code**
Semester one	
Thesis: Biokinetics	SPB01P9
Semester two	
Thesis: Biokinetics	SPB1PB9

HS11.15.5 Closing date for applications:

The closing date for applications is 31 January for study commencing in the first semester and 30 June for study commencing in the second semester.

HS11.16 DOCTOR OF PHILOSOPHY IN SPORT SCIENCE (DPH339)
Duration of programme:
Full-time: Minimum 2 years and maximum 3 years
Part-time: Minimum 3 years and maximum 4 years
NQF level 8, 360 credits
Research thesis 100%

HS11.16.1 Purpose

Through the doctoral thesis, in which the qualification finally culminates, a qualifying student would show evidence of independent and original scientific work. The thesis would constitute a decided contribution to knowledge of and insight into the subject discipline as well as the field of research. Qualifying students would display applied competence in

research methodology, and the proper written and/or oral communication in the research process and findings. The student should be able to reflect on his/her research decisions and applications to assess the effect thereof in the holistic context of research in the sport industry.

HS11.16.2 Outcome

The student will be able to:

1. Identify, formulate, prepare and solve research problems.
2. Execute the research project at the appropriate level.
3. Collect, organize, check, evaluate and write a proper literature review organizing the appropriate information in an understandable and logic manner.
4. Acquire learning abilities in the research context including the assessment of scientific literature, execution of research methodologies including the gathering of data and evaluating the information obtained.
5. Make conclusions, suggestions and recommendations based on the data collected that are logical and justifiable.
6. Produce one article for peer-reviewed publication.

HS11.16.3 Rules of access

Access will be provided to the student who is in possession of a masters' qualification in Sport Science with a programme specific minimum level of competency on NQF Level 9, generating a minimum of 180 credits.

HS11.16.4 Curriculum

A thesis on an approved topic. Refer to the Academic Regulations booklet for applicable regulations on doctorate qualifications.

Module name	**Module code**
Semester one	
Thesis: Sport Science	SPB03P9
Semester two	
Thesis: Sport Science	SPB3PB9

HS11.16.5 Closing date for applications

The closing date for applications is 31 January for study commencing in the first semester and 30 June for study commencing in the second semester.

HS11.17 DOCTOR OF COMMERCE IN SPORT MANAGEMENT (DCO114)

Duration of programme:
Full-time: Minimum 2 years and maximum 3 years
Part-time: Minimum 3 years and maximum 4 years
NQF Level 8, 360 credits
Research thesis 100%

HS11.17.1 Purpose

Through the doctoral thesis, in which the qualification finally culminates, a qualifying student would show evidence of independent and original scientific work. The thesis would constitute a decided contribution to knowledge of and insight into the subject discipline as well as the field of research. Qualifying students would display applied competence in research methodology, and the proper written and/or oral communication in the research process and findings. The student should be able to reflect on his/her research decisions and applications to assess the effect thereof in the holistic context of research in the sport industry.

HS11.17.2 Outcomes

The student will be able to:

1. Identify, formulate, prepare and solve research problems.
2. Execute the research project at the appropriate level.
3. Collect, organize, check, evaluate and write a proper literature review organizing the appropriate information in an understandable and logic manner.
4. Acquire learning abilities in the research context including the assessment of scientific literature, execution of research methodologies including the gathering of data and evaluating the information obtained.
5. Make conclusions, suggestions and recommendations based on the data collected that are logical and justifiable.
6. Produce one article for peer-reviewed publication.

HS11.17.3 Rules of access

Access will be provided to the student who is in possession of a MCom/MPhil Sport Management or any related qualification with a programme specific minimum level of competency on NQF Level 9, generating a minimum of 180 credits.

HS11.17.4 Curriculum

A thesis on an approved topic. Refer to the Academic Regulations booklet for applicable regulations on doctorate qualifications.

Module name	**Module code**
Semester one	
Thesis: Sport Management	SPB02P9
Semester two	
Thesis: Sport Management	SPB2PB9

HS11.17.5 Closing date for applications

The closing date for applications is 31 January for study commencing in the first semester and 30 June for study commencing in the second semester.

HS11.18 DOCTOR OF PHILOSOPHY IN SPORT MANAGEMENT (DPH338)

Duration of programme:
Full-time: Minimum 2 years and maximum 3 years
Part-time: Minimum 3 years and maximum 4 years
NQF Level 8, 360 credits
Research thesis 100%

HS11.18.1 Purpose

Through the doctoral thesis, in which the qualification finally culminates, a qualifying student would show evidence of independent and original scientific work. The thesis would constitute a decided contribution to knowledge of and insight into the subject discipline as well as the field of research. Qualifying students would display applied competence in research methodology, and the proper written and/or oral communication in the research process and findings. The student should be able to reflect on his/her research decisions and applications to assess the effect thereof in the holistic context of research in the sport industry.

HS11.18.2 Outcomes

The student will be able to:

1. Identify, formulate, prepare and solve research problems.
2. Execute the research project at the appropriate level.
3. Collect, organize, check, evaluate and write a proper literature review organizing the appropriate information in an understandable and logic manner.
4. Acquire learning abilities in the research context including the assessment of scientific literature, execution of research methodologies including the gathering of data and evaluating the information obtained.
5. Make conclusions, suggestions and recommendations based on the data collected that are logical and justifiable.
6. Produce one article for peer-reviewed publication.

HS10.18.3 Rules of access

Access will be provided to the student who is in possession of a Masters in any related Sport Management qualification with a programme specific minimum level of competency on NQF Level 9, generating a minimum of 180 credits.

HS11.18.4 Curriculum

A thesis on an approved topic. Refer to the Academic Regulations booklet for applicable regulations on doctorate qualifications.

Module name	**Module code**
Semester one	
Thesis: Sport Management	SPB02P9
Semester two	
Thesis: Sport Management	SPB2PB9

HS11.18.5 Closing date for applications

The closing date for applications is 31 January for study commencing in the first semester and 30 June for study commencing in the second semester.

MODULES PRESENTED BY THE FACULTY

Name	Code	SM Weight	EM Weight	Level	Credits	Content
Advanced Midwifery & Neonatal Nursing Modules 1 & 2	VNV2017	50%	50%	7	16	All aspects of professional practice, as well as pregnancy are been covered in this module. All aspects of pregnancy are been covered in this module
Advanced Midwifery & Neonatal Nursing Modules 3 & 4	VNV2037	50%	50%	7	16	Physiological and psychological changes during labour Assessment during labour Care during labour Perinatal education Control of pain during labour Problems and abnormalities during labour Surgical midwifery Induction and augmentation of labour Alternative approaches to childbirth
Advanced Midwifery & Neonatal Nursing Modules 5 & 6	VNV2057	50%	50%	7	16	Care during a normal puerperium Baby-feeding Complications of the puerperium The normal newborn baby Complications of the newborn baby The normal newborn baby Complications of the newborn baby
Advanced Midwifery & Neonatal Nursing Module 7	VNV2077	50%	50%	7	8	Advanced midwifery and neonatal nursing practical skills
Advanced Midwifery & Neonatal Nursing Module 8	VNV2087	50%	50%	7	120	Advanced midwifery and neonatal nursing practical skills
Advanced Midwifery & Neonatal Nursing Modules 1 & 2	NMC9X03	50%	50%	9	16	All aspects of professional practice, as well as pregnancy are been covered in this module. All aspects of pregnancy are been covered in this module
Advanced Midwifery & Neonatal Nursing Modules 3 & 4	NMC9X04	50%	50%	9	8	Physiological and psychological changes during labour, Assessment during labour, Care during labour, Perinatal education, Control of pain during labour, Problems and abnormalities during labour, Surgical midwifery, Induction and augmentation of labour, Alternative approaches to childbirth

Advanced Midwifery & Neonatal Nursing Modules 5 & 6	NMC9X05	50%	50%	9	8	Care during a normal puerperium, Baby-feeding, Complications of the puerperium, The normal newborn baby, Complications of the newborn baby. The normal newborn baby, Complications of the newborn baby.
Advanced Midwifery & Neonatal Nursing Module 7	NMC9X06	50%	50%	9	25	Advanced midwifery and neonatal nursing practical skills
Advanced Midwifery & Neonatal Nursing Module 8	NMC9X07	50%	50%	9	25	Advanced midwifery and neonatal nursing practical skills
Advanced Practice in Hybrid	AHI01Y4	100%	0%	8	15	Introduces the student to hybrid imaging practices
Advanced Psychiatric Mental Health Nursing Science Module 1	NPS9X03	50%	50%	9	8	Resources in delivering mental health care. Personal resources (people, organisations, material goods). The advanced practitioner in psychiatric mental health nursing as professional resource. Reflection as prerequisite: assessment of growth areas. Indication of plan for professional growth based on assessed needs. Professional resources ((people, organisations, material goods). Multi-professional resource. Different ways of being a professional resource. Mental health education. Individual nursing therapy. Crisis therapy. Group therapy. Family therapy.
Advanced Psychiatric Mental Health Nursing Science Module 2	NPS9X04	50%	50%	9	8	The nursing process in advanced psychiatric mental health nursing science. The different steps in the nursing process. Utilising a theoretical framework to structure the nursing process with specific reference to the Theory of Health Promotion in Nursing. Assessment of patient's mental health as integral part of patient's health. Assessment of internal environment of a patient. Assessment of external environment health of patient. Assessment of patterns of interaction between the patient's internal and external environment. Developing indicators of patient's Diagnosing mental health problems of a patient. Collecting accurate

						assessment information. Evaluation of assessment information. Formulating a nursing diagnosis that is congruent with the framework of the Theory of Health Promotion in Nursing. Implementation of plans to promote mental health promotional patterns of interaction in the community. Approaches to nursing prescriptions for community mental health care. Caplan's Model Psychiatric nursing approaches. Evaluation of outcomes in psychiatric mental health nursing. Looking for appropriate outcomes. Getting accurate outcomes. Evaluating achieved outcomes.
Advanced Psychiatric Mental Health Nursing Science Module 3	NPS9X05	50%	50%	9	8	Clinical examination of the psychiatric patient. Typical signs and symptoms of psychiatric illnesses. Classification in psychiatry and psychiatry rating scales. Different treatment approaches in psychiatry. Delirium, dementia, amnesia and other cognitive and mental disorders due to a general condition. Neuropsychiatry aspects of Human Immunodeficiency Syndrome (AIDS). Substance-related disorders Schizophrenia. Other psychotic disorders. Mood disorders. Anxiety disorders. Personality disorders
Advanced Psychiatric Mental Health Nursing Science Module 4	NPS9X06	50%	50%	9	8	Vulnerable populations. A population that abuses drugs. A population characterised by violence. Discharged chronically mentally ill patients. Mental health service delivery system. The advanced practitioner is psychiatric nursing as consultant. The generalist and advanced practitioner in psychiatric nursing. Possible research topics for a mini-dissertation.
Advanced Psychiatric Mental Health Nursing Science Module 5	NPS9X07	50%	50%	9	10	Advanced psychiatric skills and methods - clinical

Advanced Psychiatric Mental Health Nursing Science Module 6	NPS9X08	50%	50%	9	10	Advanced psychiatric skills and methods - clinical
Advanced Psychiatric Mental Health Nursing Science Module 7	NPS9X09	50%	50%	9	10	Advanced psychiatric skills and methods - clinical
Advanced Psychiatric Mental Health Nursing Science Module 8	NPS9X10	50%	50%	9	12	Advanced psychiatric skills and methods - clinical
Advances in Magnetic Resonance	AMR01Y4	100%	0%	8	15	This module builds on the basic principles of magnetic resonance imaging and incorporates specific MRI protocols and applications.
Advances in Ultrasound	AUT01Y4	100%	0%	8	15	The module introduces the student to the latest imaging technology and procedures in ultrasound
Aesthetics 1	AES101	50%	50%	5	5	The module will enable students to relay the purpose of make-up as well as make-up in skincare clinics. Students will be able to prepare appropriately for make-up application: workstation & client. They will have a sound knowledge of different types of make-up products and how to use them. They will be able to select and apply the correct make-up products to different skin types and conditions and apply make-up taking into consideration the effects of different lights. The student will be able to apply make-up for different occasions including day, evening and bridal makeup. Advise clients about their make-up and sell them appropriate products. Student will incorporate aseptic and sanitary procedures and adhere to the professional ethics.
Aesthetics Practical 1	AES101P	50%	50%	5	5	The module will enable students to relay the purpose of make-up as well as make-up in skincare clinics. Students will be able to prepare appropriately for make-up application: workstation & client. They will have a sound knowledge of different types of make-up products and how to use them. Advise clients about their make-up

						and sell them appropriate products. Student will incorporate aseptic and sanitary procedures and adhere to the professional ethics.
Air Quality Management	AQMEH04	50%	50%	8	22	Elements of air pollution Effects of air pollution Principles of combustion Air quality management, air pollution control and legislation Air pollution monitoring, measurement instrument and methods Meteorology and air pollution Environmental noise measurement, monitoring and control Air quality management plan
Anatomy 2	ANA221	100%	0%	5	35	This module will enable students to gain the relevant anatomical background applicable to Chiropractic and Homoeopathy in the following topics: Gross anatomy of the regions of the human body comprising the following units: surface anatomy and landmarks, skeletal anatomy, muscular and other soft tissue anatomy, cardiovascular anatomy, neural anatomy Embryology of the human body comprising the following units: Early embryology and systemic/regional embryology (Head and Neck, Cardiovascular system, Gastrointestinal System, Urinary System, Reproductive System) Systemic Histology of the human body comprising the following units: Basic tissues, Respiratory system, Cardiovascular system, Gastrointestinal System, Urinary System, Reproductive System, Endocrine System, Lymphatic System
Anatomy and Physiology 1	ACH111A	100%	0%	5	24	This module will enable students to gain the relevant anatomical and physiological background applicable to Environmental Health in the following topics: Levels of organisation Integumentary system Support and movement Nervous system and senses Endocrine and reproductive

						systems Circulatory System Lymphatic system and immunity Respiratory system Digestive system and metabolism Urinary system
Anatomy and Physiology 1	ANA11-1	100%	0%	5	35	This module will enable students to gain the relevant anatomical and physiological background applicable to Chiropractic and Homoeopathy in the following topics: Levels of organisation Integumentary system Support and movement Nervous system and senses Endocrine and reproductive systems Circulatory System Lymphatic system and immunity Respiratory system Digestive system and metabolism Urinary system
Anatomy and Physiology 1	ANP01Y1	50%	50%	5	15	This module will enable students to gain the relevant anatomical and physiological background to the field of Medical Imaging and Radiation in the following topics: Levels of organisation Introduction to anatomy and physiology Chemistry for anatomy and physiology The cell Basic histology Support and movement Nervous system Endocrine system Circulatory System Female Reproductive system Respiratory system Digestive system and metabolism
Anatomy and Physiology 1A	AAP01Y1	100%	0%	5	30	This module will enable students to gain the relevant anatomical and physiological background applicable to the field of Sport and Movement Studies in the following topics: Basic chemistry and biochemistry Levels of organisation Integumentary system Support and movement Nervous system and senses Endocrine and reproductive systems Circulatory System Lymphatic system and immunity

						Respiratory system Digestive system and metabolism Urinary system

Anatomy and Physiology 1A	ANP01A1	50%	50%	5	8	Human body orientation Cells Human Tissue Muscle and tissue Fundamentals of the nervous system and tissue Histology of Nervous Tissue Central nervous system Peripheral nervous system Autonomic nervous system (ANS) And The Endocrine System Cardiovascular System Respiratory System
Anatomy and Physiology 1B	ANP01B1	50%	50 %	5	8	Blood Hemostasis Urinary system And Lymphatic system Immune system Digestive system Nutrition Urinary system Fluid electrolyte and acid base balance
Anatomy and Physiology 1B	AAP01Y2	100%	0%	6	30	This module will enable students to gain the relevant anatomical and physiological background applicable to the field of Sport and Movement Studies in the following topics: Support and Movement Lymphatic system and immunity Nervous system Digestive system and metabolism Female Reproductive system Male Reproductive system
Anatomy and Physiology 1A	APA1111	50%	50 %	6	15	This module will enable students to gain the relevant anatomical and physiological background applicable to Biomedical Technology in the following topics: Introduction to anatomy and physiology Chemistry for anatomy and physiology The cell Basic histology Integumentary system Respiratory system Bone and joints Blood and the cardiovascular system.

Anatomy and Physiology	APENVO1	100%	0%	6	20	Introduction to human anatomy and physiology Chemical basis of life Cells and Cellular metabolism Tissues Integumentary system Skeletal system Joints of the skeletal system Muscular system Nervous system

Anatomy and Physiology 1B	APB1112	50%	50 %	6	15	This module will enable students to gain the relevant anatomical and physiological background applicable to Biomedical Technology in the following topics: Endocrine system Reproductive system Digestive system Urinary system Nervous system Muscle
Anatomy 1	ANT01Y1	100%	0%	5	12	This module will enable students to gain the relevant anatomical background applicable to Emergency Medical Care in the following topics: Basic Tissues Skin Bones of skeleton Joints Muscular System Nervous System Endocrine System Cardiovascular System Digestive System Respiratory System Urinary System Reproductive Systems Surface Anatomy
Physiology 1	PHY01Y1	100%	0%	5	12	This module will enable students to gain the relevant physiological background applicable to Emergency Medical Care in the following topics: Chemistry The cell Skin Muscle Bone Nervous system Endocrine system Reproductive system Blood Cardiovascular system Lymphatic system Immune system

						Respiratory system Digestive system Urinary system.
Anatomy and Physiology 1	GAF111B	100%	0%	5	36	This module will enable students to gain the relevant anatomical and physiological background applicable to Podiatry in the following topics: Levels of organisation Integumentary system Support and movement Nervous system and senses Endocrine and reproductive systems Circulatory System Lymphatic system and immunity Respiratory system Digestive system and metabolism Urinary system
Anatomy and Physiology 1	SAP101	50%	50 %	5	15	This module will enable students to gain the relevant anatomical and physiological background applicable to Somatology in the following topics: Levels of organisation Integumentary system Support and movement Respiratory system Digestive system and metabolism Urinary system
Anatomy and Physiology 2	SAP201	50%	50 %	6	15	This module will enable students to gain the relevant anatomical and physiological background applicable to Somatology in the following topics: Nervous system and senses Endocrine and reproductive systems Circulatory System Lymphatic system and immunity
Anatomy and Physiology 2	ANP01Y2	50%	50 %	5	15	This module will enable students to gain the relevant anatomical and physiological background to the field of Medical Imaging and Radiation in the following topics: Integumentary system Lymphatic system and immunity Support and movement Male Reproductive system Urinary system
Applied Biological Sciences 3	ABS301	50%	50 %	6	10	Micro-Biology Pathology Pharmacology
Applied Psychology	APY01Y3	100%	0%	5	16	This module will cover the psycho-social aspects of disease, emotional intelligence, basic counselling skills, anger and stress management.

Applied Physics	APP01Y1	100%	0%	5	15	The study of the physical principles that govern diagnostic imaging and radiation sciences
Aromatherapy Practical 3	STE31PA	50%	50 %	6	5	Perform corrective /preventative/maintenance professional Aromatherapy treatment incorporating relevant professional and adequate home-care, nutritional and lifestyle guidelines. Student will incorporate aseptic and sanitary procedures and adhere to the professional ethics. The following student units will be facilitated to achieve the purpose of the module: aromatherapy as a holistic therapy, history of aromatherapy, botany origin & nature of essential oils, methods of extraction of essential oils, quality control and quality assurance, research into essential oils essential oil chemistry, pharmacokinetics, pharmacology of essential oils, biology and psychology of essential oils, essential oil safety the essential oils, vegetable oils, hazardous essential oils, Practical aspects of aromatherapy requirements of professional practice client consultation, a holistic approach to prescribing essential oils, the art of blending, methods of administration, the aromatherapy massage, aromatherapy for health professionals, Clinical index, cardiovascular system, respiratory system, musculoskeletal system, reproductive system, integumentary system, nervous system, lymphatic system, digestive system, immune system, urinary system, Endocrine System,
Aromatherapy Theory 3	STE311A	50%	50 %	6	10	Perform a corrective /preventative/maintenance professional Aromatherapy treatment incorporating relevant professional and adequate home-care, nutritional and lifestyle guidelines. Student will incorporate aseptic and sanitary procedures and adhere to the professional ethics. The following student units will be facilitated to achieve the purpose of the module: aromatherapy as a holistic therapy, history of aromatherapy, botany,

						origin & nature of essential oils, methods of extraction of essential oil, quality control and quality assurance, research into essential oils, essential oil chemistry, Pharmacokinetics, pharmacology of essential oils, biology and psychology of essential oils, essential oil safety, the essential oils, vegetable oils, hazardous essential oils, Practical aspects of aromatherapy, :requirements of professional practice, client consultation, a holistic approach to prescribing essential oils, the art of blending, methods of administration, the aromatherapy massage, aromatherapy for health professionals, cardiovascular system, respiratory system, musculoskeletal system, reproductive system, integumentary system, nervous system, lymphatic system, digestive system, immune system, urinary system, endocrine system
Auxiliary Therapeutics 3	HAT32-1	100%	0%	6	20	Massage therapy, Transverse (cross) friction. Pain, Cryotherapy, Thermotherapy, Laser therapy T.E.N.S., Interferential current, Ultrasound, EMG, Cervical traction, Acupuncture
Auxiliary Therapeutics 3	HAT31-1	100%	0%	6	20	Naturopathy & basic nutrition, Counselling, Introduction to other complementary and alternative therapies; Chinese medicine, Bach Flower remedies and tissue salts.
Basic Pharmacology in Nursing: Module 1	FAV0001	50%	50 %	6	8	Legal-ethical framework in pharmacology Basic pharmacology Basic principles and concepts in pharmacology Nervous system, impulse conduction and neurotransmitters Sympathetic, parasympathetic and somatic nervous systems Drugs that affect he respiratory system Cardiovascular drugs Drugs that affect the haemapoietic system
Basic Pharmacology in Nursing: Module 2	FAV0002	50%	50 %	6	8	Drugs that affect the digestive system Drugs that affect the central nervous system Antipyretic analgesics, non-steroidal anti-inflammatory drugs, and drugs for the treatment of gout

						and migraine Hormones and hormone antagonists Antibiotics Drugs for the treatment of malaria and tuberculosis Vitamins and minerals
Binocular Vision 1	BVI00Y3	50%	50 %	6	14	Definitions and terms The visual direction Vergence eye movements Eye movements Accommodation Convergence/ accommodation ratio The visual pathway Visual defects Motor adaptations to a strabismus Extra ocular muscles Sensory adaptations Tests needed to accurately assess the binocular system
Binocular Vision 2	BVI00Y4	50%	50 %	7	16	Introduction Third year introductory work: Maddox's components Horopter Suppression Fixation disparity Associated phoria Stereopsis Eye movements Foundational: Troxlers phenomenon Dark focus Near triad Fusion and binocular summation Neuroanatomy and physiology of binocular vision and stereopsis Development of binocular vision Non-vestibular control of eye movements Non-strabismic dysfunctions: Accommodation Vergence Accommodative-vergence Heterophorias Fixation disparity Associated phorias Amblyopia Anisiekonia Management: Case history Syndromes Graphical Functional Medical model Prescription of visual aids Vision therapy VDT'S Sports vision

						Case histories Practical lectures Obstacles to development of binocular vision: Theories of strabismus development Sensory adaptations (done in third year) Microstrabismus Examination of a strabismic patient: Case history Is there a strabismus? Intermittent/constant Uniocular/alternating Commitant/incommitant Eccentric fixation Anomalous correspondence Type of strabismus Fusional status Sequelae of EOM palsy: Measurement of eye position: Prognosis and probability of cure: Flom's criteria Infantile strabismus Treatment: Lenses Prisms Visual Therapy Surgery Drugs Considerations in treatment of strabismus Success rates for surgery: Complications of surgery Factors affecting success in surgery Anomalous correspondence: Types Management Eccentric fixation Management Suppression Biocular training Binocular training Swan's syndrome Dissociated Vertical Deviation (DVD) Nystagmus Brainstem Brain systems for eye movement Systemic disease in binocular vision Palsies: Inter-nuclear Ophthalmoplegia (INO) Third nerve palsy Fourth nerve palsy Sixth nerve palsy

						Neurology Cerebro-vascular Accident (CVA) Transient Ischemic Attack (TIA) Multiple Sclerosis (MS)
Biochemistry 2	WBC2122	50%	50 %	6	15	Chemistry of life, water, ph, buffers and molecular interactions Enzymes, vitamins and essential metals Metabolism Nucleotides, nucleic acids and genetic information – replication, Transcription and translation Amino acids and proteins, protein metabolism and the urea cycle Carbohydrates, glycolysis, citric acid cycle, oxidative Phosphorylation and the electron transport chain Lipids and lipid metabolism
Biochemistry 2	HCB211	100%	0%	5	15	Chemistry Of Life, Water, Ph, Buffers and Molecular Interactions Enzymes, Vitamins and Essential Metals Metabolism Nucleotides, Nucleic Acids and Genetic Information – Replication, Transcription and Translation Amino Acids And Proteins, Protein Metabolism And The Urea Cycle Carbohydrates, Glycolysis, Citric Acid Cycle, Oxidative Phosphorylation and the Electron Transport Chain Lipids and Lipid Metabolism
Biomechanics 1	BIM01B1	50%	50 %	5	15	Musculoskeletal anatomy and kinesiology: normal and abnormal posture, gait patterns and exercise execution. Scalars and vectors Static and dynamic biomechanics Newtonian laws Lever systems Linear and angular kinematics and kinetics
Biokinetics 1	BIK01Y1	50%	50 %	5	30	Healthcare in SA History of Biokinetics Ethics and scope of practice Legal aspects Psyco-social aspects of injury and illness History taking Phases of rehabilitation Therapeutic modalities Pharmacology Injury Prevention Diseases of lifestyle Wellness and health promotion, incl. Corporate Wellness

						Measurement and evaluation, interpretation and exercise prescription First aid and basic life support* * For students' own account – course offered by external provider.
Biokinetics 2	BIK01Y2	50%	50 %	6	30	Assessment, rehabilitation and prevention of musculo-skeletal injuries and conditions Assessment, rehabilitation and prevention of chronic diseases and conditions Health promotion, wellness, disease prevention and corporate wellness Clinical skills training
Biokinetics 3	BIK01Y3	50%	50 %	7	30	Assessment, rehabilitation and prevention of musculo-skeletal injuries and conditions Assessment, rehabilitation and prevention of chronic diseases and conditions Health promotion, disease prevention and corporate wellness Clinical skills training
Biokinetics Practice 1	BIO01Y3	100%	0%	7	45	Clinical skills training in Wellness and Health Promotion, Management of Chronic Conditions and Rehabilitation of Orthopaedic Conditions Completion of 450 hours of clinical internship at UJ and approved clinical sites
Biokinetics Research Project	BRD01Y4	50%	50 %	8	30	A research project within the field of biokinetics
Biokinetics 4	BIK01Y4	50%	50 %	8	30	Assessment, rehabilitation and prevention of musculo-skeletal injuries and conditions Assessment, rehabilitation and prevention of chronic diseases and conditions Health promotion, wellness, disease prevention and corporate wellness Clinical skills training
Biokinetics Practice 2	BIO01Y4	100%	0%	8	45	Practical aspects surrounding wellness, chronic disease and orthopaedic conditions Completion of 450 hours of clinical internship at UJ and approved clinical sites
Biokinetics Paper 1	HMS8X05	50%	50 %	8	20	Learners should develop intellectual competencies and practical skills in the recognition, evaluation and rehabilitation of orthopaedic injuries and conditions, and reflect on the effectiveness of

						their examination and treatment of these injuries and conditions.
Biokinetics Paper 2	HMS8X06	50%	50 %	8	20	Learners should develop intellectual competencies and practical skills in the recognition, evaluation and rehabilitation of chronic diseases, and reflect on the effectiveness of exercise in the prevention and rehabilitation of these diseases.
Biokinetics Practice	HMS8X04	50%	50 %	8	20	Learners should develop intellectual competencies and practical skills in the field of Biokinetics practice.

Biology 1	BIO111	100%	0%	5	15	This module will enable students to gain the relevant introductory biological background applicable to Chiropractic in the following topics: Chemistry The cell and cellular metabolism Mitosis and meiosis Genetics Evolution The five kingdoms Ecology
Biomechanics 5	CBK511B	100%	0%	8	10	Table of Contents Organisational Component The Temporomandibular Joint The Hip Complex The Knee Complex The Ankle and Foot Complex The Shoulder Complex The Elbow Complex The Wrist and Hand Complex Posture Gait The Basics
Biotics 1	BIT101	50%	50 %	5	10	The module will allow for students to recognize, evaluate and identify postural deviations and malalignments as well as have the ability to correct minor deviations. They will also be able to engage with integrated thinking with regards to postural deviations and understand how one problem can lead to another. The student will also be able to recognize, evaluate and test any individual in order to identify any figure and posture deviations. It will also be achievable for the student to compile an effective treatment strategy after completing a client consultation and evaluating the information collected. The module includes the following

						learning units: Muscles Bones Joints Levers Kinesiology Posture Somatotyping Prevention of strain and early fatigue Anthropometry Body composition Weighing and measuring Posture analysis Muscle flexibility testing Muscle strength testing
Biotics 2	BIT201	50%	50 %	6	10	Applied anatomy Joints Range of motion Applied physiology Skeletal muscle fibre Muscle adaptation to exercise Fibre types and athletic performance The all or none law Muscle attachments Nervous tissue Metabolism The use of fats during exercise Energy for muscle contraction Energy systems \Fitness components Introduction Cardio respiratory endurance Strengthening Stretching Anthropometry Body composition Methods of measuring fat percentage Skin fold calliper Body mass index Obesity Somatotyping Spa Therapy History of spa Development of spa Classification of spa's The spa client Science of Spa Spa set up Spa treatments Gym visits Research on various types of exercise Strengthening and stretching exercise

Biotics 3	BIT301	50%	50 %	6	15	The most important aspect of wellness in somatology is an understanding of stress as a major lifestyle disorder within the twenty first century. Stress forms the basis of the recent popularity of wellness, thus it is imperative that we gain an insight into its physiological basis as well as the resulting effects. In understanding its effects students will address the interaction between the mind and the body, how their interdependence relationship creates major challenges for the treatment and management of stress in general. Within the module students will also address aspects of body balance both from the Medical as well as the Chinese and Naturopathy perspective. Specific treatments or stress management interventions will be addressed. These include Indian head massage, hot stone massage and Hawaiian massage.
Blood Transfusion Technology 2	BTT2111	50%	50 %	6	15	General aspects of Blood Transfusion Fundamentals of the Blood Grouping Systems The other blood group systems other than ABO and Rhesus Types of Transfusion Reactions
Body Therapy 1 Theory Somatology	STEA114	50%	50 %	5	5	The following learning units will be facilitated to achieve the outcomes: Introduction to massage History Stress Professionalism Components of massage Equipment requirements for massage Client consultation Contra-indications to massage Hand development Lubricants used for massage Massage manipulations Full body massage sequence Physiological effects of massage Psychological effects of massage Mechanical massage Heat therapy
Body Therapy 1 Practical Somatology	STEP115	50%	50 %	5	5	The following learning units will be facilitated to achieve the outcomes: Introduction to massage History Stress

						Professionalism Components of massage Equipment requirements for massage Client consultation Contra-indications to massage Hand development Lubricants used for massage Massage manipulations Full body massage sequence Physiological effects of massage Psychological effects of massage Mechanical massage Heat therapy

BodyTherapy 2 Theory	STE211B	50%	50 %	6	9	The body therapy component serves to ensure students can correctly and efficiently perform advanced body/slimming treatments with the use of industry relevant electrical equipment taking into consideration each individual clients' wants and needs. Also covered in the module are other internal and external causes of cellulite, overweight and obesity and how to effectively and realistically treat clients with these conditions. Learning modules include: Direct current/galvanism Micro-current/Perfector® Microderm ablasion LED therapy Vacuum suction Faradic current Ultrasound Introduction to Figure correction & body analysis Cellulite Obesity & Overweight Pre-heating treatments & preparation of client for electrical therapy Reflexology Techniques The Treatment Sequence and Providing a Whole Foot Treatment Sense Organs Integumentary System Respiratory System Lymphatic System Immune System Digestive System Urinary System Reproductive System Endocrine System Nervous System Skeletal System

						Cardiovascular System Muscular System
Body Therapy 2 Practical	STE2112	50%	50 %	6	6	Execute electrical equipment treatments, after completing a client consultation and identifying indications, contra-indications, precautions, effectively and correctly to best address the client's needs and wants. The following Reflexology learning units will be facilitated to enable students to achieve the outcomes: History of Reflexology Reflexology Terminology/Reflexology as a Holistic Therapy Principle of Reflexology Zone Theory; Referral Theory; Helper areas Structure of the Foot The Practitioner Responsibilities Do's/Don'ts of Reflexology Consultation Process: Diagnostics and Visual Assessment; Strategic Thinking and Working out the Treatment Reflexology Techniques The Treatment Sequence and Providing a Whole Foot Treatment Sense Organs Integumentary System Respiratory System Lymphatic System Immune System Digestive System Urinary System Reproductive System Endocrine System Nervous System Skeletal System Cardiovascular System Muscular System
Business Practice, Ethics and Jurisprudence	COB02Y4	50%	50 %	7	8	Health care services in South Africa Patients' Rights Charter Ethics – Clinical, Professional, Public policy and Research Jurisprudence – Health Professions Act, rules and regulations Advertising – rules and regulations Role and function of key stakeholders including HPCSA, CMS, SAOA, BHF etc. Optometry in terms of structure, scope of practice etc. Policy document on Undesirable Business Practices – Health

						Professions Council of South Africa Marketing opportunities, analysis & research Marketing plan Services marketing Competitor analysis Basic accounting Interpretation of financial statements Financial ratios Discounted cash flows Practice appraisal and valuation Breakeven points

Camouflage Therapy	STEA411	100%	0%	5	5	The module enable students to: Perform camouflage therapy, and remedial make-up techniques successfully. Link theoretical knowledge with practical situations. Make the public and industry you serve more aware of remedial camouflage therapy. Establish medical liaison between the Health and Skincare Industry and the Medical Profession. The following learning units are addressed The role of camouflage therapy. Classification of disorders and disfigurements. Products. Client preparation. Application methods. Record cards. Wound management.
Cellular Pathology 2A	SPA2111	50%	50 %	6	15	Orientation regarding essential terminology, specimen types, laboratory layout/operation and methods of specimen examination Familiarise the student with laboratory administration, ethics, HPCSA Rules and Regulations, safety and the role of the Medical Technologist in Cellular Pathology Instrumentation for Histology, fixation of cells and tissue, decalcification and tissue processing Tissue sectioning, staining, routine and specialised, and mounting Artefacts and pigments and museum technology Microscopy Instrumentation for Cytology and preparation of smears Cytogenetic studies, terminology and applications

						Cytogenetic techniques
Cellular Pathology 2B	SPB2112	50%	50 %	6	15	Biological behaviour of cells and tissues Systematic approach to the evaluation of cytology smears Histology and cytology of cyclic hormonal influences on the FGT Histology and cytology of the normal FGT Cells and agents of infection found on gynaecological smears Inflammatory, degenerative, regenerative and proliferative changes of the FGT Histopathology and cytopathology of pre-malignant and related conditions (intra epithelial lesions) and malignances of the FGT Specialised techniques with reference to histopathological and cytopathological diagnosis of the FGT
Cellular Pathology 3	SPP3112	50%	50 %	6	15	Normal cellular content, the inflammatory, degenerative and regenerative changes of the respiratory tract and oral cavity Agents of infection of the respiratory tract and oral cavity Normal cellular content, inflammatory, degenerative and regenerative changes of the urinary tract Normal cellular content, inflammatory, degenerative and regenerative changes of the serous cavities Fine needle aspiration cytology (FNA) Normal cellular content and pathology of the central nervous system Normal cellular content and pathology of the gastrointestinal tract Cellular reactions to therapy Cytogenetics
Chemical Pathology 2A	CPA2111	50%	50%	6	15	Instrumentation Quality Assurance and Quality Control Electrolytes Acid Base Disturbances Renal Functions Proteins
Chemical Pathology 2B	BCP2112	50%	50%	6	15	Diagnostic Enzymology Liver Function testing Immunochemical techniques Basic Endocrinology Introduction to Pharmacology

						Pharmacokinetics Basic Toxicology and drugs of abuse.
Chemical Pathology 3	CPP3112	50%	50%	6	15	Carbohydrate Metabolism Lipid and Lipoproteins Essential Minerals Body Fluid analysis Heart Failure medication Antihypertensive Medication Lipid Lowering Agents Antibiotics Anticonvulsants

Chiropractic Principles and Practice 3	PPC31-1	100%	0%	6	30	The Vertebral Column Viewed as a Whole The Osteology of the Vertebral Column The Vertebral Column Viewed as a Whole The Cervical Vertebral Column The Biomechanics of the Cervical Vertebral Column Motion Palpation of the Cervical Vertebral Column Spinal Manipulative Technique of the Cervical Vertebral Column The Thoracic Vertebral Column The Biomechanics of the Thoracic Vertebral Column Motion Palpation of the Thoracic Vertebral Column Spinal Manipulative Technique of the Thoracic Vertebral Column and Rib Cage. The Lumbar Vertebra! Column The Biomechanics of the Lumbar Vertebral Column Motion Palpation of the Lumbar Vertebral Column Spinal Manipulative Technique of the Lumbar Vertebral Column The Pelvis and Sacroiliac Joints The Biomechanics of the Pelvis and Sacroiliac Joints Motion Palpation of the Pelvis and Sacroiliac Joints Spinal Manipulative Technique of the Pelvis and Sacroiliac Joints Chiropractic Theory Component Practice Management The Sacroiliac Joints Lumbar Disc Herniation Rehabilitation and Chiropractic Practice The Chronic Pain Patient Managed Care Measuring Results The Chiropractic Management of

						Visceral Disorders
Clinical Biomechanics and Kinesiology 4	CBK41-2	100%	0%	7	15	Biomechanics Biomechanics of Bone Biomechanics of Articular Cartilage Biomechanics of Collagen Biomechanics of Tendons and Ligaments Biomechanics of Skeletal Muscle Biomechanics of Peripheral Nerve Biomechanics of the Intervertebral Disc General Spinal Mechanics Lumbar Spine and Sacroiliac Joint Biomechanics Thoracic Spine Biomechanics Biomechanics of the Scoliosis Cervical Spine Biomechanics Gait Exercise Therapy, Rehabilitation and Posture Myofascial Pain Therapy
Clinical Chiropractic 4	PCC41-1	100%	0%	7	25	Examination principals and concepts The lumbar spine and pelvis The lumbar spine and pelvis examination Assessing case progression Leg length inequality Dongenital anomalies of the spine Spondylolisthesis Scoliosis Kyphosis Osteoporosis The spondylarthropathies Osteomyelitis Headache Cervical spine assessment Differential diagnoses for cervical spine disorders Tumours Laboratory evaluation Referral letters and written reports
Clinical Chiropractic 5	KCP511	100%	0%	8	30	Temporomandibular Joint (TMJ) Shoulder Elbow Wrist and Hand Hip Knee Lower limb, ankle and foot Shoe prescription Treatment and rehabilitation principles Strapping
Clinical Exercise Science	CEX01B3	50%	50%	7	15	Exercise as a therapeutic modality Using exercise in: • chronic disease conditions like cardiovascular conditions • orthopaedic injuries

						• special populations Case studies in exercise therapy Ergonomics
Clinical Exercise Science	HMS8X01	50%	50%	8	15	Learners should develop intellectual competencies and practical skills in the field of clinical exercise science. Themes include: Biomechanics Prevention of Injuries Nutrition Special Populations Environmental Conditions
Clinical Homoeopathy 4	KHP411	100%	0%	7	30	An introduction to the theories, principles and application of Classical Homoeopathic prescribing according to the totality of symptoms. An introduction to the use of Homoeopathy according to systems and diseases. In this unit, the student must synthesise and apply knowledge of all related previous modules.
Clinical Homoeopathy 5	PHC511	100%	0%	8	50	Theory Component: This module revises the physiological systems which were not reviewed in Clinical IV, covering learning assumed to be in place in respect of the anatomy; physiology, pathology and differential diagnostics of each system and then the Materia Medica which has specific relevance for the patho-physiology of each system, with a special focus on the differentials of each remedy. The theory component also includes a review of appropriate laboratory tests (Chemical Pathology) which may be needed in diagnostics and clinical management of the case. Practical Component: Supervised and mentored clinical practice, including patient care, case taking, examination, diagnosis, prescription, dispensing, patient management; and practice administrative in terms of the Scope of Practice and the legislative requirements of the profession.
Clinical Studies 2 Theory	PKSB211	50%	50%	6	15	Rules and regulations of clinics Emergency procedures Blood Pressure Orthopedic assessment Muscle strength testing Neurological examination Vascular examination

						Locomotion and gait. Physiotherapeutic modalities Laboratory test. Anti-fungal therapy. Radiology.
Clinical Studies 2 Practical	PKSA211	50%	50%	6	8	The student will attend the scheduled clinics at Doornfontein campus
Clinical Radiographic Practice II (Nuclear Medicine)	NMP211	100%	0%	5	8	Patient Care and Management Patient preparation and care Patient administration After care of patient – (post Nuclear Medicine procedures) Other relevant patient care procedures Imaging (Data acquisition) Prescribed imaging protocols and procedures Radiopharmaceutical injection techniques and management Patient position and imaging Data manipulation and management Manipulation and handling and quality control of all instrumentation used in imaging Hot Laboratory Administration and “good housekeeping” Manipulation of hot laboratory instrumentation Elution of generators Reconstitution procedures (mix and shake) Radiation protection and aseptic techniques Receipt, dispensing and waste disposal of radionuclides QA programmes
Clinical Radiographic Practice III (Nuclear Medicine)	NMP311	100%	0%	6	18	The practical training of this module Clinical Radiographic Practice III is divided into the following critical areas: Patient Care and Management Hot laboratory and associated procedures and emphasis placed in the mix and boil procedures Data acquisition Data manipulation with special emphasis placed on specialised data manipulations e.g. SPECT processing, graphs generation, quantification of data etc. Documentation of protocols and procedural steps
Clinical Radiographic Practice II	USP211	100%	0%	6	24	Gynaecology Obstetrics General Abdomen

(Ultrasound)						Urinary System Liver and Biliary System Pancreas Spleen Abdominal Vasculature Small Parts:-thyroid, breast, scrotum and prostate The relevant patient preparation and care is dealt with in each category
Clinical Radiographic Practice III (Ultrasound)	USP311	100%	0%	7	48	Adult echocardiography Paediatric echocardiography Neonatal neurosonography Paediatric sonography Vascular sonography Advanced obstetrics Advanced abdominal scanning Musculo-skeletal sonography
Clinical Studies 3 Practical	PKSB311	50%	50%	7	30	General podiatric and specialized clinic rotations Geriatric clinic Orthotic laboratory Operating theatre (observer status) Off-campus clinics are: Alexandra Health Centre and University clinic Bara Chris Hani Hospital Johannesburg Hospital Helen Joseph Hospital
Clinical Studies 3 Theory	PKSA311	50%	50%	7	30	Podiatric biomechanics Physical examination of the patient Podiatric radiology Local analgesia Skin and nail surgery Orthoses prescription Taping Strapping and off-loading
Clinical Studies 4 Practical	PKSB411	50%	50%	7	17	Paediatric clinic Geriatric clinic Sports clinic Orthotic laboratory Operating theatre Off-campus clinics are: Alexandra Health Centre and University clinic Bara Chris Hani Hospital Tambo Memorial Hospital Johannesburg Hospital Helen Joseph Hospital
Clinical Studies 4 Theory	PKSA411	50%	50%	7	20	Local analgesia Nail surgery Clinical emergencies Review of patient examination Biomechanical review Applied pharmacology Specialized techniques Case studies Orthoses

						Padding and strapping Unusual conditions
Communication Nursing Science: Module 1& 2	KVP0001	50%	50%	5	8	The process and dynamics of communication Theories and models of communication Facilitative attitudes and techniques in communication Stumbling blocks and other issues in therapeutic communication Therapeutic interviewing Stress management Assertive behaviour
Community and Environmental Optometry	COB01Y4	50%	50%	7	8	Health care services in South Africa Role of optometry in the health care system Patients' Rights Charter Sport vision options in optometric practice Vision and environmental options and modifications Visual ergonomics in the workplace Visual requirements for driving Lighting strategies Ocular hazards and protection
Community Development 1	CDV11-1	50%	50%	6	24	Basic Health Concepts Interpersonal Skills Human Behaviour Social Organisation Social Pathology Ethics and Professionalism
Community Development 2	CDV22-1	50%	50%	6	24	Philosophy Social Upliftment Health Education Project Planning and Management
Community Development 1	CDENV02	50%	50%	7	15	Community Development process Environmental health promotion Health promotion information and strategies Design environmental health promotion tool/ project Health education concept Community Profiling
Community Health Nursing Science Modules 1 & 2	GGV0017	50%	50%	7	16	Family Health - Part 1 History of community nursing Environmental hygiene Infant and pre-school child The primary school child Family Health - Part 2 The adolescent. Adulthood Reproductive health The elderly Occupational health
Community Health Nursing Science	GGV0037	50%	50%	7	16	Communicable Diseases Legislation Epidemiology

Modules 3 & 4						Prevention Role of community health nurse Chronic Disease Management Asthma Diabetes Drug abuse Epilepsy Heart conditions Physical disabilities Hypertension Obesity
Community Health Nursing Science Modules 5 & 6	GGV0057	50%	50%	7	16	Management of Health Services South African health services: Policy Organisation Financing Personnel Legislation Health services in western countries United Kingdom Health Services in African countries - Namibia Health Promotion Health promotion: learning needs and health education: Concept clarification Principles of health promotion actions. Principles and methods of health education, community development profile and capacity building. Compilation of a community profile. Community development Community development principles Community development project and skills for community workers. Role of community workers and approaches used in community projects. Primary health care Introduction to primary health care Strategy for the implementation of primary health care (PHC) Important international events that influenced and changed the development of PHC. Primary health care in South Africa
Community Health Nursing Science Module 7	GGV0077	50%	50%	7	8	Contemporary Community Health Nursing Science Health profiles Health indicators Morbidity and mortality Fertility Urbanisation Socio-economical health problems Culture

						Clinical skills (general principles): Specific clinical skills, interviewing and counselling skills
Community Health Nursing Science Module 8	GGV0087	50%	50%	7	120	Clinical Community Health Nursing Science Environmental Health School Health Services Occupational Health Health diagnosis, treatment and care of people in all phases of life. Prevention and control of communicable diseases Rehabilitation Care of the elderly Family Health Management of a community health service Community resources Health education Health Profile and Community Development Epidemiological Research Family Study
Contact Lenses 1	CTL00Y3	50%	50%	6	14	Anatomy and physiology of the anterior segment of the eye History of contact lenses Classification of contact lenses Rigid contact lenses: Basic lens types General fitting rules Lens adherence Lens permeability and oxygen requirement of the cornea Clinical techniques to evaluate corneal swelling Wettability of contact lens materials Measuring TBUT Rigid gas permeable lens materials Specific lens types Lens hardness Consultation, examination and prognosis Rigid gas permeable lens fitting Clinical procedures in RGP fitting Fluorescein patterns Illustration of various abrasions Adaptive symptoms Wearing schedules “Dirty Dozen” rigid lens wear symptoms Astigmatism correction with rigid contact lenses Antimicrobial action of preservatives used in contact lens solutions Rigid contact lens care and storage Contact lens manufacturing Soft contact lenses:

						Basic principles of soft contact lenses Methods of soft lens manufacture Advantages and disadvantages of soft contact lenses Patient selection for soft lenses Visual advantages of soft lenses Water content and polymers Advantages and disadvantages of high water content soft lenses Dehydration of soft lenses Dry eyes Lens thickness and thin lenses Advantages and disadvantages of thin soft lenses Consulting room procedures and equipment Clinical routine Fitting characteristics for soft lenses Fitting philosophies and soft lens selection Astigmatism correction with soft contact lenses Instructions to patients Soft contact lens care and storage Deposits on soft contact lenses After-care General comments on soft lens practice The elements of the optics of contact lenses
Contact Lenses 2	CTL00Y4	50%	50%	7	16	Optics Corneal physiology Oxygen: Biochemistry, oxygen consumption, corneal needs, consideration for extended wear, importance, requirements, supply, and deprivation of Signs of too little: stria, polymegathism, EOP, O2 thirst. Folds Swelling Central Corneal Clouding Blebs, microcysts, vacuoles, Dimple veiling (fourth year) Requirements of the lens: Comfort Oxygen Tear exchange Physiology Lenses and their effects: Ocular responses and complications. (stria, retro-illum/marginal, vacuoles, microcysts, bullae, infiltrates, SLK, abrasions, SEAL, SPK

						hyperaemia, Ph, ulcers, ARE, warpage, increased thirst for O2, binding, EOP, CLPC, Polymegathism, bedewing, PRPH, pH changes Neovascularization etc.) Materials: DK, DK/L, Flux, EOP, ionic, silicone, deposits, wetting, warping. Hard lenses: Fitting characteristics, spheres, toric front, toric back, bitoric, maths of toric lenses, vertex distance, bifocals, reverse geometry, design, x-chrom, materials, ads and disads, oxygen flow, fluorescein, , changing fits, adaptation, wearing schedule, after care (hard and soft lenses), corneal topography, maths of ellipses, integration, sags. Patient management and after care. Special cases: Aphakes Keratoconus RK Epikeratophakia, keratophakia Post-lasik Keratoplasty Ortho-k/reverse geometry Paediatric contact lenses Bifocals Refractive changes. Topography Special lenses: Diagnostic Protection Therapeutic Sport X-chrome
Diagnostic Practice 1	DIP01Y1	100%	0%	5	15	This module will introduce the student to the principles of radiographic technique, radiographic anatomy, image evaluation and pattern recognition of the chest, abdomen, upper and lower extremities.
Diagnostic Practice 2	DIP01Y2	100%	0%	6	15	This module will introduce the student to the principles of radiographic technique, radiographic anatomy, image evaluation and pattern recognition of the thorax, skull, spine, shoulder and pelvis.
Diagnostic Practice 3	DIP01Y3	100%	0%	7	15	"This module will introduce the student to paediatric radiography, as well as the principles of radiographic technique,

						radiographic anatomy, image evaluation and image interpretation of the gastro-intestinal system, urinary tract, biliary system."
Diagnostic Practice 4	DIP01Y4	100%	0%	8	15	This module will introduce the student to computed tomography and Magnetic resonance imaging principles and practice.

Diagnostic Clinical Practice 1	DCP01Y1	100%	0%	6	15	This module enables the student to apply the theory of diagnostic practice I and includes professional practice within the clinical environment.
Diagnostic Clinical Practice 2	DCP01Y2	100%	0%	7	15	"This module enables the student to apply the theory of diagnostic practice 2 and includes professional practice within the clinical environment"
Diagnostic Clinical Practice 3	DCP01Y3	100%	0%	7	15	"This module enables the student to apply the theory of diagnostic practice 3 and includes professional practice within the clinical environment"
Diagnostic Clinical Practice 4	DCP01Y4	100%	0%	8	15	"This module enables the student to apply the theory of diagnostic practice 4 and includes professional practice within the clinical environment"
Diagnostics 3	DIA311H	100%	0%	6	30	The Patient Interview Analysis of Symptoms Mental Status Examination Approach to Physical Examination Examination of the Head and Neck Examination of Thorax Examination of the Abdomen Examination of the Uro-genital System Examination of the Peripheral Vascular System Examination of the Musculoskeletal System Examination of the Nervous System Special Examinations
Diagnostics 3	DIA311C	100%	0%	6	30	The Patient Interview Analysis of Symptoms Mental Status Examination Approach to Physical Examination Examination of the Head and Neck Examination of Thorax Examination of the Abdomen Examination of the Uro-genital System Examination of the Peripheral Vascular System Examination of the Musculoskeletal

						System Examination of the Nervous System Special Examinations
Diagnostics 4	DIA411H	100%	0%	7	35	Good Medical Practice Haematology Cardiovascular and Peripheral Vascular System (Blood Vessels and Heart) The Respiratory System The Central and Peripheral Nervous System The Musculoskeletal System The Gastrointestinal System The Endocrine System The Genitourinary System Paediatrics Family Practice
Diagnostics 4	DIA411C	100%	0%	7	35	Good Medical Practice Haematology Cardiovascular and Peripheral Vascular System (Blood Vessels and Heart) The Respiratory System The Central and Peripheral Nervous System Musculoskeletal System The Gastrointestinal System The Endocrine System The Genitourinary System Paediatrics Family Practice
Didactics and Exercise Science 2A	DIA411C	100%	0%	7	35	Education and training structures for sport in South Africa Curriculum design Entry situation Selection and ordering of learning content Learning experiences Learning opportunities Assessment Phases of presentations Principles of Skill Learning Preparing for the Learning Experience Supplementing the Learning Experience Structuring the Learning Experience Providing Feedback During the Learning Experience Integration and Applications Facilitating Learning and Performance Applying the Principles of Skill Learning And Reflect on the metabolic pathways

						and the role of ATP. Metabolic regulation and fuel substrates during exercise. Anaerobic and aerobic metabolism during exercise. Relevant training principles for metabolic enhancement. Muscular contraction and movement during exercise

Disaster Management	DMENV04	100%	0%	7	10	Definition and description of a disaster; Types of disasters and their consequences; Role and responsibility of environmental health; Disaster communications; Disaster Relief; Management of disasters
Dispensing Optometry 1	DOP00Y2	50%	50%	6	8	Ophthalmic lens materials Glass History of glassmaking The development of optical glass The manufacture of Optical glass Varieties of optical glass Desirable characteristics and defects of optical glass Plastic materials Characteristics Manufacturing processes Development of optical plastics Manufacture of plastic lenses Optical and physical properties of plastic lenses The strength of lens materials The strength of glass Methods of tempering glass lenses Impact resistance of plastic lenses Lenses for occupational and educational use Characteristics of Ophthalmic lenses Physical characteristics The lens measure Lens form: Spherical lenses Lens form: cylindrical and toric lenses Lens blanks and base curves Specification of cylinder axis Prescription writing and transposition Power measurement Reference points Hand neutralization The lensometer Lensometer calibration, alignment and measurement errors Projection lensometer Automatic lensometer

						Ophthalmic prisms and decentration Effects of prisms on movements of the eye Prentice's rule Specification of lens and frame sizes Multifocal lenses Physical characteristics History and development of multifocal lenses Fused bifocal lenses One-piece bifocal lenses Double-segment bifocal Minus add bifocal Trifocal lenses Plastic multifocal lenses Occupational multifocal Manufacturing processes for multifocal lenses Glass multifocal Fused multifocal One-piece glass multifocal Plastic multifocal Powers of the distance and reading portions Performance characteristics Vertical placement of the optical centre of the segment Lateral placement of the optical centre of the segment Differential displacement (Image Jump) Differential displacement at the reading level Clinical considerations Theories of bifocal selection Segment size and shape Segment width Segment height Segment shape Ordering and dispensing bifocals Progressive addition lenses Eyewear design and dispensing Spectacle frames and mountings Historical background Modern frames and mountings Metal frame and mounting materials Plastic frame materials Bridge and temple styles for plastic frames Frame measurements and markings Datum system Boxing system Selecting frames Frame selection Fitting principles

						Frame alignment
Dispensing Optometry 2	DOP00Y3	50%	50%	6	8	Selecting frame Frame selection and frame fitting Fitting the bridge Fitting the temples Facial forms Fitting principles The fitting triangle Pantoscopic tilt Temple angle Frame Alignment Alignment of the front Alignment of the temples Frame and mounting specifications Lateral placement of optical centres Vertical placement of optical centres Centering problems and solutions Bifocal segment inset Prescription order forms Ordering and Verification Verification Ophthalmic lens standards Lens verification Frame verification Dispensing and adjusting Alignment with facial features Temple adjustments Bridge adjustments Verifying visual acuity Checking centration of finished spectacles Care and maintenance of glasses Advice about use of glasses Subsequent adjustments Lens insertion Standard Alignment Adjusting the frame Frame repairs and modification Progressive addition lenses Patient selection Matching design and patient Dispensing considerations Essential fitting measurements Frame selection Verification of progressive addition lenses Patient communication Absorptive lenses Cutting and fitting ophthalmic lenses Mark lenses up according to prescription Block lenses Cut lenses Hand edge lenses Lens treatment

						Tint Harden Insert lens in frame Metal Plastic Verify and dispense to patient

Education in Health	EIH01Y4	100%	0%	8	15	This module aims to introduce the student to the concepts of teaching, learning and assessment in healthcare education.
Entrepreneurship	ENT01Y4	100%	0%	8	15	This module will introduce the student to general entrepreneurship skills
End User Computing	ENUC011					The aim of End-User Computing course is to allow you, the learners to familiarize yourselves with the concepts of computer technology in order to use computers effectively during your term of study at the FECC as well as to implement your computer knowledge in the workplace. All the topics in this course are geared towards the user, providing what you need to know to prepare yourself for a business career.
Emergency Care Practices Foundations of Professional Practice 1	FPP01Y1	100%	0%	5	12	Health Care Systems & Structures Legislation, Law, Ethics and Professionalism Emergency Service Vehicles Occupations Health and Safety in the EMC environment Radio and communication systems Procedures and Protocols Emergency Medical Care Equipment
Emergency Medical Care: Clinical Practice 1	EMC03Y1	100%	0%	6	24	On completion of this module the student should have had exposure to the following focus areas: Emergency medical service operational systems Professional practice Emergency medical care Documentation and record keeping
Emergency Medical Care: Clinical Practice 2	EMC03Y2	100%	0%	6	24	There are no formal lectures for this module. Module coordinator contact time with the students is mainly administrative or for presentation purposes. Mentor contact time takes place off campus in a clinical environment. Due to the nature of the module, each student's experience will be different and their input is essential in the management of this module.
Emergency Medical Care:	EMC03Y4	100%	0%	8	24	On completion of this module the student should have had exposure

Clinical Practice 4						to the following focus areas: Emergency medical service operational systems Professional practice Emergency medical care Documentation and record keeping
Emergency Medical Care: Clinical Practice 3	EMC03Y3	100%	0%	7	24	The Clinical Practice 3 Module deals with practical application of theoretical knowledge and understanding of advanced life support practice in the acute pre-hospital and casualty settings. Section A deals with Work Integrated Learning road shifts. This is where all of the knowledge and procedural competencies students have learnt during the first two years, as well as during EMC01Y3 and EMC02Y3 are integrated and used to assess, diagnose and manage real patients suffering from a variety of illnesses and injuries in a real life setting. Students will also be functioning as part of various EMS services and will need to integrate into those services as a team member. Section B deals with the Clinical Practice Elective block. During this section, students will be expected to work at an Emergency Medical Service that is further than 200km from the University of Johannesburg. Section C deals with case studies and case study presentations. During this section, students will need to submit three case studies describing patients they have managed and to present one of those cases to their peers.
Emergency Medical Care: Diagnostics 1	EMC04Y2	100%	0%	6	12	Patient interaction and history taking General survey & vital signs Skin Head & neck Thorax and lungs Cardiovascular system Breast and axilla The abdomen The male genitalia and hernias The female genitalia The pregnant woman The anus rectum and prostate The peripheral vascular system The muscular skeletal system The nervous system Assessment of children and

						adolescents
Emergency Medical Care: Emergency Medical Care 1 Practical	EMC02Y1	100%	0%	5	12	The Primary and secondary survey Cardio-Pulmonary Resuscitation Patient Assessment and History taking Managing Respiratory Emergencies Oxygen Administration Basic Ventilation Airway Management Managing Cardio-vascular Emergencies Electrical Therapy Managing Trauma Emergencies Managing Endocrine Emergencies
Emergency Medical Care: Emergency Medical Care 2 Practical	EMC02Y2	100%	0%	6	6	Introduction to the patient; Respiratory system; Cardiovascular system; Nervous system and special senses; Musculo-skeletal system; Gastro-intestinal system; Integumentary system; Female genitalia and the pregnant patient; Breasts and axilla; Male genitalia, anus, rectum and prostate; Lymphatic system; Endocrine system.
Emergency Medical Care: Emergency Medical Care 3 Practical	EMC02Y3	100%	0%	7	24	Objective Structured Clinical Examination Skills: Specific clinical skills are practiced with the assistance of check sheets and training aids after a demonstration by the lecturer. Needle cricothyroidotomy Surgical cricothyroidotomy Infant oral endotracheal intubation Paediatric oral endotracheal intubation Oral endotracheal intubation with induction Visual nasal intubation Blind nasal intubation Digital intubation Retrograde intubation Bag-valve-tube nebulization Nasogastric tube Orogastric tube Mechanical ventilation Cardioversion Transcutaneous pacing Intra-osseous cannulation External jugular vein cannulation Femoral vein cannulation Drug administration – intramuscular

						Drug administration – intravenous Drug infusion preparation Prolapsed cord Female urinary catheterization Male urinary catheterization Carotid sinus massage Umbilical vein catheterization Patient Simulations: Scenarios are simulated with the use of training aids and a scenario workbook to enable the students to practice patient communication and management up to an Advanced Life Support Level. Scenarios are created to ensure the students have the opportunity to manage both trauma and medical related incidents that link into the learning modules covered in the module Emergency Medical Care III Theory (ANSA311).
Emergency Medical Care: Emergency Medical Care 1 Theory	EMC01Y1	100%	0%	5	24	Cardiopulmonary resuscitation and emergency care Introduction to emergency care Fundamental airway management Hypoxia and hypoxaemia Oxygenation & ventilation Cardiac arrest Cardiopulmonary resuscitation Defibrillation The chain of survival Emergency care of adult patients Patient assessment Respiratory emergencies Chronic obstructive pulmonary disease Bronchial asthma Pulmonary embolism Acute respiratory failure Rib fractures Flail chest Pneumothorax Tension pneumothorax Haemothorax Pulmonary contusion Cardiovascular emergencies Ischaemic heart disease Congestive cardiac failure Aortic aneurysms Shock Basic electrocardiography Cardiac tamponade Myocardial contusion Traumatic aortic aneurysm Haemorrhage Central nervous system emergencies Cerebrovascular disease

						Seizure disorders Cns infections Head injuries Spinal cord injuries Learning unit 5 – Endocrine emergencies Diabetes mellitus Skin and soft tissue emergencies Soft tissue injuries Burns Musculoskeletal emergencies Fractures, sprains & dislocations Git and urogenital emergencies Acute abdomen Acute renal failure
Emergency Medical Care: Emergency Medical Care 2 Theory	EMC01Y2	100%	0%	6	12	Adult Orotracheal Intubation Alternative Airway Devices Tracheal Bronchial Suctioning Pulse Oximetery Capnography Fluid Management Toxicology Temperature Related Emergencies Submersion Blasts and Ballistics Use of the Electrocardiograph / Monitor Obstetrics
Emergency Medical Care: Emergency Medical Care 3 Theory	EMC01Y3	100%	0%	7	12	Respiratory Disorders & Emergencies Cardiovascular Disorders & Emergencies Central Nervous System Disorders & Emergencies Bone, Skin & Joint Disorders & Emergencies Gastro-intestinal Disorders & Emergencies Urinary System Disorders & Emergencies Gynaecological & Obstetrical Disorders & Emergencies Haematological Disorders & Emergencies Endocrine Disorders & Emergencies Forensic Medicine Toxicology Environmental Emergencies
Emergency Medical Care: Intensive and Specialised Care 4	EMC01Y4	100%	0%	8	12	Intensive care unit environment Preparation Arrival and preparation for transportation Transferral Handover Intensive care in specialized circumstances Diving related emergencies

						Altitude related illnesses
Emergency Medical Care: Paediatric and Neonatal Emergency Care 4	EMC02Y4	100%	0%	8	12	Paediatric care Neonatal care
Emergency Medical Care: Primary Health Care 2	PHC01B2	100%	0%	6	6	Introduction to primary health care according to the WHO Legislation Health promotion Community development
Environmental Planning 1	EPL11-1	50%	50%	5	24	Ecology Environmental Health Town planning Housing Sustainable Development
Environmental Pollution 2	ENP21-1	50%	50%	6	24	Water and Sanitation Principles of water quality Water and sewage purification Overview of Waste Management Basic Principles of Waste Management Waste Management Processes
Environmental Pollution 3	ENP32-1	50%	50%	6	24	History of Air Pollution Elements of Air Pollution Effects of Air Pollution Principles of Combustion Meteorology and Air Pollution Measurement and Monitoring of Air Pollution Air Pollution Control and Management Introduction to Environmental Noise Environmental Noise Measurement and Monitoring Environmental Noise Control and Management
Environmental Pollution: Water, Waste and Air	EPWWA 02	50%	50%	7	15	Sources of water supply Principles of water quality management Water quality control and legislations Water sampling and examination Sources and types of water pollution Water purification and waste water treatment Water pollution control Sanitation, Health and hygiene
Environmental Health Management and	EHMAA03	50%	50%	7	20	Environmental health management system Administration of Environmental health profession

Administration						Environmental health office practice Reporting systems
Environmental Management (NEMA & EMI)	EMNME04	50%	50%	8	17	Confidentiality. Specific enforcement provisions in NEMA. Schedule 1 offence. Other criminal offences relating to an EMI's duties. Is an EMI also a peace officer? Who can accompany an EMI in his or her duties? SAPS officials also have EMI powers! Special provisions applicable to criminal proceedings. Costs that may be recovered from a guilty party on conviction. Extension of criminal liability. Powers of EMI's The EMI Ranking System
Environmental Waste Management 4	EWM411	50%	50%	7	36	Concepts of Waste Management Environmental Law And Waste Management Sanitary Landfill Hazardous And Healthcare Waste Management Landfill Gas And Leachate Management Environmental Impact And Risk Assessment Contemporary Issues In Waste Management
Environmental Epidemiology	EEENV03	50%	50%	8	15	Principles of epidemiology History of epidemiology Non-communicable diseases Epidemiological data presentation, analysis, and interpretation Health measurement Rates, proportions, ratios Disposal of the dead Epidemiology applied to specific areas Environmental Epidemiology Social epidemiology
Epidemiology 2	GEP211A	50%	50%	6	24	Essential epidemiological concepts The triad of communicable disease Prevention and control of communicable diseases Epidemiology of specific communicable diseases Epidemiology of specific non-communicable diseases and conditions Epidemiology of vector control
Epidemiology 2	GEPA212	100%	0%	6	7.5	The purpose of this module is to provide the student with an understanding of the occurrence of

						communicable and non-communicable diseases, their transmission patterns, symptoms, prevention and control, which are all important as foundational knowledge in later modules (e.g. General and Systemic Pathology) and in the scope of practice of a chiropractic practitioner.
Epidemiology 3	GEP32-1	50%	50%	6	24	Epidemiological study approach Epidemiological Research Biostatistics, Specialized investigations and Risk Analysis
Epilation Diathermy 2 Theory	STE211C	50%	50%	6	9	The following learning units will be facilitated to achieve the outcomes: Anatomy and physiology Structure of the skin Hair types Structure of the hair Hair follicles Hair growth cycle Relating hair growth to epilation Pathology Hormones and endocrine glands Hirsutism and hypertrichosis Causes of hair growth Normal endocrine influences Endocrine disorders affecting hair growth Female hormone cycle through the ages Gender reassignment Needles and equipment History of needles Types of needles Capital items Consumables Currents used in epilation Diathermy Thermolysis Blend Practical Prepare for treatments Provide the treatment Apply aftercare Provide skincare advice between treatments Products Methodology
Epilation Diathermy 2 Practical	STE2113	50%	50%	6	6	To perform successful and effective diathermy treatments on areas of unwanted hair growth after conducting a thorough client consultation to determine indications, contra-indications and precautions to provide the client with appropriate home care advice. IPL hair reduction: execute

						effective treatment while taking contra-indications and precautions into account.
Exercise Physiology	EXP01Y2	50%	50%	6	30	Physiological and physical responses and adaptations to acute and chronic exercise and training Bio-ergonomics Gender and age differences (pregnancy, children & elderly) Pregnancy Environmental influences Physiological testing and interpretation (e.g. VO2max, blood tests, etc.) Pathophysiology
Exercise Science	EXS01A3	50%	50%	7	15	Exercise Readiness Body composition (anthropometry) and nutritional aspects of exercise Flexibility Proprioception and balance Strength Endurance Power Speed Agility Reaction time Exercise testing, interpretation and exercise prescription
Exercise Physiology	HMS8X08 SPB06X7	50% 50%	50% 50%	8 8	18 18	Introduction to Bioenergetics and exercise metabolism Musculo skeletal physiology and responses to training and exercise Neuro physiology and responses to training and exercise Cardiorespiratory exercise physiology The endocrine system and exercise response Physiology of overtraining Environmental influences on training and performance Body composition and nutrition
Exercise Science	HMS8X09 SPB07X7	50% 50%	50% 50%	8 8	18 18	Overview Biomechanics Exercise readiness Body composition and nutrition Evaluation and interpretation of different fitness components Periodization and design of training programmes Talent identification Sport specific High Performance testing and interventions
Exercise Science 2B	EXS02B2	50%	50%	6	8	Reflect on response patterns of respiratory variables during various exercise modes

						Identify variations in resting volumes, exercise responses and training adaptations among children, adults and the elderly concerning the respiratory variables. Reflect on response patterns of the mayor cardiovascular variables during various exercise modes Identify variations in resting volumes, exercise responses and training adaptations among children, adults and the elderly concerning the cardiovascular variables And After completion of this module, the student will be able to periodize a training programme, design different training programmes by applying the training principles for muscle strength and endurance, cardiovascular endurance speed, power and agility.
Facility, Event and Human Resource Management in Sport 3D	FEH03D3	50%	50%	7	8	Introduction to Facility Management; Systems & Operations Management Equipment & Supplies Management Safety & Security Management Crowd Management Event Management And HR in Sport & Recreation: Volunteerism; Professionalism; Clients as HR; Staffing & Career Considerations; South African Labour Law; Leadership; Time Management; Stress Management
Facial Therapy 1 Practical	STEP113	50%	50%	5	6	The following learning units are addressed: The Facial Therapy I module encompass foundational aspects of structure and function of skin Applied Anatomy and Physiology. The anatomy and physiology of the skin. Applied Dermatology (Skin diseases & disorders) Client consultation, Skin analysis. Skin cleansing techniques. Deep cleansing and skin peeling. Deep cleansing and facial peeling. Frimator/Mechanical brush

						cleansing and massage. Skin toning Ozone steaming treatment. Eyebrow shaping. Facial massage. Basic and specialised mask therapy. Direct and indirect high frequency Integrated approach to treating various skin types & conditions (Use and application of cosmetics and home care).
Facial Therapy 2 Theory	STE211A	50%	50%	6	9	Execute correct and effective treatments with electrical equipment after completing a thorough client consultation and establishing indications, contra-indications and precautions. These treatments are done to address the client's needs and wants. Learning modules include: Galvanic current (including iontophoresis, desincrustation and Hydradermie®) Micro-current Ultra sound (pure and Anesonic®) Soft laser therapy Microdermabrasion Cosmetic surgery Harmful effects of the sun Differences between black and white skins Acne and the treatment thereof Ageing Menopause Porphyria
Facial Therapy 1 Theory	STEA113	50%	50%	5	9	The following learning units are addressed: The Facial Therapy I module encompass foundational aspects of structure and function of skin Applied Anatomy and Physiology. The anatomy and physiology of the skin. Applied Dermatology (Skin diseases & disorders) Client consultation, Skin analysis. Skin cleansing techniques. Deep cleansing and skin peeling. Deep cleansing and facial peeling. Frimator/Mechanical brush cleansing and massage. Skin toning Ozone steaming treatment. Eyebrow shaping. Facial massage. Basic and specialised mask therapy.

						Direct and indirect high frequency. Integrated approach to treating various skin types & conditions (Use and application of cosmetics and home care).

Facial Therapy 2 Practical	STE2111	50%	50 %	6	6	The following Aromatherapy learning units will be facilitated to enable students to achieve the outcomes: Holistic Framework for the practice of aromatherapy History of aromatherapy Essential oils Methods of extraction of essential oils Pharmacokinetics Consultation Holistic approach to prescribing essential oils Art of blending Methods of administration Aromatherapy massage The following Reflexology learning units will be facilitated to enable students to achieve the outcomes: History of Reflexology Reflexology Terminology/Reflexology as a Holistic Therapy Principle of Reflexology Zone Theory; Referral Theory; Helper areas Structure of the Foot The Practitioner Responsibilities Do's/Don'ts of Reflexology Consultation Process: Diagnostics and Visual Assessment; Strategic Thinking and Working out the Treatment This module serves to ensure students can correctly and efficiently perform advanced facial treatments with the use of industry relevant electrical equipment taking into consideration each individual clients' wants and needs. Also covered in the module are other internal and external causes of ageing including porphyria, menopause and the harmful effects of the sun. Learning modules include: Equipment: Galvanic current (including iontophoresis, desincrustation and Hydradermie®) Micro-current

						Ultra sound (pure and Anesonic®) Purikiss® Soft laser therapy Microdermabrasion LED therapy LHE skin rejuvenation Theory: Cosmetic surgery Harmful effects of the sun Differences between black and white skins Acne and the treatment thereof Ageing Menopause Porphyria
Facility and Event Management	HMS8X12 SPB08X7	50% 50%	50 % 50 %	8 7	15 15	Facility Development Facility Systems and Operations Facility Administration Risk Management Event Management Measurement and Evaluation
First Aid Course (Level 3)	FAC111C	100%	0%	5	12	This module has its focus in the assessment of the emergency situation and provision of Basic Life Support and Basic First Aid in order to stabilise patients prior to transfer to the emergency services or other suitable person or entity. The following outcomes are core to achieving competence in this module: • Demonstration of an understanding of emergency scene management • Demonstration of an understanding of elementary anatomy and physiology • Assessment and evaluation of an emergency situation • Application of First Aid procedures to the life-threatening situation Identification and treatment of common ailments and injuries within the relevant scope
First Aid Course (Level 1)	FAC111P	100%	0%	5	12	This module has its focus in the assessment of the emergency situation and provision of Basic Life Support and Basic First Aid in order to stabilise patients prior to transfer to the emergency services or other suitable person or entity. The following outcomes are core to achieving competence in this module:

						• Demonstration of an understanding of emergency scene management • Demonstration of an understanding of elementary anatomy and physiology • Assessment and evaluation of an emergency situation • Application of First Aid procedures to the life-threatening situation Identification and treatment of common ailments and injuries within the relevant scope
First Aid Course (Level 3)	FAC111H	100%	0%	5	12	This module has its focus in the assessment of the emergency situation and provision of Basic Life Support and Basic First Aid in order to stabilise patients prior to transfer to the emergency services or other suitable person or entity. The following outcomes are core to achieving competence in this module: • Demonstration of an understanding of emergency scene management • Demonstration of an understanding of elementary anatomy and physiology • Assessment and evaluation of an emergency situation • Application of First Aid procedures to the life-threatening situation Identification and treatment of common ailments and injuries within the relevant scope
First Aid Course (Level 1)	FAC111S	100%	0%	5	12	This module has its focus in the assessment of the emergency situation and provision of Basic Life Support and Basic First Aid in order to stabilise patients prior to transfer to the emergency services or other suitable person or entity. The following outcomes are core to achieving competence in this module: • Demonstration of an understanding of emergency scene management • Demonstration of an understanding of

						elementary anatomy and physiology • Assessment and evaluation of an emergency situation • Application of First Aid procedures to the life-threatening situation Identification and treatment of common ailments and injuries within the relevant scope
Food and Meat Hygiene 2	FMH21-1	50%	50 %	5	24	Introduction of the module including links to the qualification and definitions of terms Food safety Good Manufacturing and Good Hygiene Practices Food premises Legislation Introduction to Meat Hygiene Anatomy of the Meat Animals Abattoir Practice and Meat Inspection.
Food and Meat Hygiene	FMHEH02	50%	50 %	7	35	Introduction to food and meat hygiene (inclusive of Good Laboratory Practices) Food premises design and layout (inclusive of Standard Operating Procedures (SOP) Good Hygiene and Manufacturing Practices (inclusive of Best Available Methods (BAM) Abattoir design and slaughter of animals Slaughter animal anatomy and physiology Meat inspection
Food and Meat Hygiene 3	FMH32-1	50%	50 %	6	24	Contamination, spoilage, inspection and legal requirements of specific food commodities. Milk and dairy products. Food Preservation. Quality control. Meat Legislation Pathology & parasitology of the red meat animals. Specific diseases of meat animals
Food Processing and Safety	FPSEH03	50%	50 %	7	20	Food security and nutrition Quality factors of food and changes in food Food-borne illnesses and outbreak investigation Preparation / processing and preservation of food Assessment of food for suitability for human consumption
Food Safety Management	FSMEH04	100%	0%	8	20	Introduction to food quality and safety systems Documenting food safety systems

						Hazard analysis, risk assessment and management of the identified hazards Assessment of documented FSMS (including appropriate rules of ethics)
Foundations of Professionals Practice	FOPP011					The aim of this module is thus to enable you to function effectively and professionally within an emergency health care system or structure. In order to function effectively as a professional emergency care provider it is important to recognise that there exists an additional body of knowledge, skills and insights apart from that which can be directly linked to the clinical management of the ill or injured patient. The module will expose the learner to important areas of emergency care practice that we often take for granted such as Ethics, Professionalism, Code of Conduct, Patient's Rights etc.
Fundamental Nursing Science 1A Module1	FVK1A10	50%	50 %	5	8	Basic principles and concepts related to emergency care Asphyxiation, cardiac arrest and basic life- support First aid for the unconscious patient First aid in case of wounds First aid in case of shock Bleeding First aid in case of muscular-skeletal trauma First aid in case of non-related disorders and Temperature related emergencies First aid in case of poisoning First aid in case of foreign objects First aid in case of an unexpected delivery Promotion of health and education in first aid First aid levels 1 and 2
Fundamental Nursing Science 1A Module 2 & 3	FVK1A20	50%	50 %	5	8	Philosophical framework of nursing and Nursing Science. Conceptual framework in nursing. Paradigm of the Nursing Department. Other related concepts in nursing. The nursing and management processes Introduction to nursing ethos Introduction to health care delivery in South Africa: Primary Health care and Health Promotion Community profile

						Introduction to research/Epidemiology Trans cultural health Health promotion
Fundamental Nursing Science 2A Module 1 & 2	FVK2A10	50%	50 %	6	8	Basic health needs Prevention of the transfer of infection Safety needs Maintaining of skin integrity Activity needs Rest and sleep Comfort and pain Basic health needs Nutrition needs Fluids and electrolytes Psycho social and spiritual needs Oxygeneration Excretory needs (urinary) Excretory needs (faecal)
Fundamental Nursing Science 2A Module 3	FVK2A30	50%	50 %	6	8	Clinical skills related to the following systems: Prevention of the transfer of infection Safety Needs Maintaining of skin integrity Activity Needs Rest and sleep Comfort and Pain Nutritional needs Fluid and electrolytes Psycho social and spiritual needs Oxygenation Excretory needs (Urinary) Excretory needs (Faecal)
Fundamental Nursing Science 2B Module 4 & 5	FVK2B40	50%	50 %	6	8	Growth and development in all life phases Personal hygiene in all life phases Health promotion: learning needs and health education Community development and capacity building Environmental hygiene Introduction to community development and capacity building: Factors influencing development Community development
Fundamental Nursing Science 2B Module 6	FVK2B60	50%	50 %	6	8	Community development and capacity building: clinical skills related to Growth and development Health Education Environmental Hygiene Community and Capacity building
General and Ocular Pharmacology	OPH00Y3	50%	50 %	6	14	Basic pharmacological concepts Ocular pharmacokinetics Ocular formulations and delivery systems Autonomic nervous system

						Cycloplegics Mydriatics Miotics Anti-glaucoma medications Local anaesthetics Antimicrobial agents Anti-inflammatory agents Dry eye preparations Contact lens rewetting solutions
General Pathology 1	GPA01Y2	100%	0%	6	12	Cellular Adaptations, Cell Injury and Cell Death Acute and Chronic Inflammation Tissue Renewal and Repair: Regeneration, Healing and Fibrosis Hemodynamic Disorders, Thromboembolic Disease and Shock Genetic and Developmental Disorders Diseases of Immunity Neoplasia

General Pathology 2	GPA211	100%	0%	6	10	This module has the primary purpose of providing the learner with the knowledge base and theory necessary to have a thorough understanding of the disease process by examining the basic reactions of cells and tissues to the abnormal stimuli that underlie all physical diseases. Successful completion of this module will equip the learner with the fundamental aspects of general pathology necessary to understand the specific responses of specialised organs and tissues examined in systemic pathology.
General Pathology for Optometry	OPA00Y2	50%	50 %	6	12	Principles and dynamics of general pathological processes. Introduction to Pathology Tissue and cell damage Inflammation Infection and wound healing Immunity Neoplasia Ocular allergy and immunology Ocular infections Principles And Dynamics Of General Pathological Processes In Haematological Disorders And Cardiovascular Disease. Circulatory disturbances Cardiovascular diseases Blood and lymph dysfunctions Cardiovascular disease and the eyes Haematology and Oncology

						Principles And Dynamics Of General Pathological Processes In Neurological Diseases And Endocrine Disorders. Neurological dysfunctions Endocrine dysfunctions Ocular neurology Endocrine ophthalmopathy Diabetes Mellitus: Ocular manifestations Principles and dynamics of general pathological processes in important systemic disease with significant ocular manifestations. Collagen-vascular diseases Dermatology Renal disease Pulmonary disease Gastro- intestinal diseases

Haematology 2	GTH2112	50%	50 %	6	15	Introduction to Haematology Haematopoiesis Normal Erythrocyte Physiology Normal Leukocyte Physiology: Granulocytes and Monocytic Series Normal Leukocyte Physiology: Lymphocytes and Plasma Cells Platelets Haemostasis Blood Coagulation
Haematology 3	GTH3112	50%	50 %	6	15	Acute and Chronic Blood Loss Anaemias Aplastic and Related Anaemia Hypochromic Anaemias and Disorders of Iron Metabolism Megaloblastic Anaemias Haemolytic Anaemias Haemoglobinopathies Non Malignant Leucocytic Disorders Non Malignant Lymphocytic Disorders Acute and Chronic Leukaemias Chronic Myeloproliferative Disorders Myelodysplastic Syndromes Disorders of Haemostasis and Thrombosis
Health Management Systems	HMS41-1	50%	50 %	7	17	Private Practice Management Premises Starting a private Practice Home Visits or Domiciliary treatment The Appointment Book Patient Records Professional communication The Podiatrist and his health Patient behaviour and

						management Chair side manners for the Podiatrist/First impressions Projecting a professional image (ICD10 Coding) Fees for Services rendered CPD Health Professions Council of South Africa (HPCSA) Podiatry and Biokinetics The functions of the Professional Board for Physiotherapy Ethical dimensions of a Podiatrist The functions of the South African Podiatry Association (SAPA) The Podiatrist and the law Marketing in Podiatric practice Financing and the Podiatrist Accounting and taxation Insurance Podiatric Emergencies Clinical Emergencies Requirements when starting a practice Statutory Requirements Provision and organization of Podiatry services in Primary Health Care (PHC) Foot health education (Communication) Epidemiology
Homoeopharmaceutics 4	HMF41-1	100%	0%	7	20	Introduction to Homoeopathic Pharmacy Sources of Homoeopathic Medicines Vehicles and Bases used in for the manufacture and dispensing of Homoeopathic medicines Homoeopathic Pharmacopoeia : Manufacturing Methods Review of legislation pertaining to manufacturing, compounding and dispensing medicines Quality Assurance
Human Anatomy 1A: Module 1:	HAN1A10	50%	50 %	5	12	This module is taught to introduce the students to anatomy, to equip students with knowledge of the composition of the body, the structure of cells, tissues, joints and muscles of the body. They will understand the micro anatomy of the cells and tissues; the classification, microanatomy, macro anatomy of the skeleton as well as the joints and muscles. The students will be able to articulate and apply the knowledge to the

						content of the other modules.
Human Anatomy 1A: Module 2:	HAN1A20	50%	50 %	5	12	This module is taught to introduce the students to the central, peripheral and autonomic nervous systems, the special sense organs and the endocrine glands, to equip students with knowledge of the , the structure of neural tissue, the brain, cranial nerves and plexuses, the sympathetic and parasympathetic nervous systems as well as the nose, eye, tongue and ear. They will understand the gross and micro anatomy of all the organs and structures. The students will be able to articulate and apply the knowledge to the content of the other modules.

Human Anatomy 1 B: Module 3:	HAN1B10	50%	50 %	5	12	This module has the purpose to introduce the students to the gross and micro anatomy of the endocrine, cardiovascular, lymphatic, respiratory, and digestive systems, to equip students with knowledge of the position, structure and function of the organs. They will understand the micro anatomy of the organs. The students will be able to articulate and apply the knowledge to the content of the other modules. Practical including microscopy, dried specimens and cadavers will enhance the learning experience by enabling the students to identify structures and apply the knowledge.
Human Anatomy 1 B: Module 4:	HAN1B20	50%	50 %	5	12	This module has the purpose to introduce the students to the urinary and reproductive systems, to equip students with knowledge of the structures of these systems. They will understand the micro anatomy and gross anatomy of the structures of the different systems. The students will be able to articulate and apply the knowledge to the content of the other modules.
Human Anatomy 1A	HAN01A1	50%	50 %	5	12	This module is taught to introduce the students to anatomy, to equip students with knowledge of the composition of the body, the structure of cells, tissues, joints and muscles of the body. They will understand the micro anatomy of the cells and tissues; the

						classification, microanatomy, macro anatomy of the skeleton as well as the joints and muscles. Introduce the students to the central, peripheral and autonomic nervous systems, the special sense organs and the endocrine glands, to equip students with knowledge of the , the structure of neural tissue, the brain, cranial nerves and plexuses, the sympathetic and parasympathetic nervous systems as well as the nose, eye, tongue and ear. They will understand the gross and micro anatomy of all the organs and structures. The students will be able to articulate and apply the knowledge to the content of the other modules.
Human Anatomy 1A	HAN20A1	50%	50 %	5	12	This module is taught to introduce the students to the central, peripheral and autonomic nervous systems, the special sense organs and the endocrine glands, to equip students with knowledge of the , the structure of neural tissue, the brain, cranial nerves and plexuses, the sympathetic and parasympathetic nervous systems as well as the nose, eye, tongue and ear. They will understand the gross and micro anatomy of all the organs and structures. The students will be able to articulate and apply the knowledge to the content of the other modules.
Human Anatomy 1B	HAN01B1	50%	50 %	5	12	This module has the purpose to introduce the students to the gross and micro anatomy of the endocrine, cardiovascular, lymphatic, respiratory, and digestive systems, urinary and reproductive systems to equip students with knowledge of the position, structure and function of the organs. They will understand the micro anatomy of the organs. The students will be able to articulate and apply the knowledge to the content of the other modules.
Human Anatomy 1B	HAN20B1	50%	50 %	5	12	This module has the purpose to introduce the students to the urinary and reproductive systems, to equip students with knowledge of the structures of these systems. They will understand the micro anatomy and gross anatomy of the

						structures of the different systems. The students will be able to articulate and apply the knowledge to the content of the other modules.
Human Physiology 1A Module 1:	HPH1A10	50%	50 %	5	12	The purpose of this module is to enable the student to explain introductory concepts of human physiology, basic concepts of chemical reactions, functions of cellular components and the different tissue types. He/she will also be able to discuss the relationship of structure and function of the skin and skeletal system, with reference to related homeostatic imbalances and the principles of ossification.
Human Physiology 1A Module 2:	HPH1A20	50%	50 %	5	12	The purpose of this module is to enable the student to discuss the mechanism of skeletal muscle contraction, basic physiological concepts, reflex activities, receptor functions and the general senses, and basic principles and interactions of the autonomic section of the nervous system.
Human Physiology 1A Module 1:	HPH1B10	50%	50 %	5	12	The purpose of this module is to enable the student to explain histological and functional aspects of the cardiovascular (with special reference to blood test, cardiac cycle and blood circulation). They will also be able to identify specific microscopic examples of the endocrine system and to explain functional aspects thereof. They will also be able to use his/her knowledge of the lymphatic system to explain non-specific defence mechanisms of the body and refer to basic concepts of immunity.
Human Physiology 1A Module 2:	HPH1B20	50%	50 %	5	12	The purpose of this module is to enable the student to explain histological and functional aspects of the respiratory, digestive and urinary systems, and the basic principles of the pulmonary ventilation and the formation of urine. He/she will also be able to discuss histological and functional adaptations of the male and female reproductive systems, oogenesis, spermatogenesis, the process of fertilisation, pregnancy, parturition and foetal circulation and changes that take place after birth.
Human Physiology 2A	HPH2A10	50%	50 %	5	12	The purpose of this module is to describe the relationship between

Module 1:						the structure and the specialized functions of cells, integument, skeleton and muscles, explain the principles of neurophysiology, predict the effect of aging on each of the above-mentioned systems and identify examples of interactions between other organ systems to develop students reasoning to assess health related needs and problems in humans.
Human Physiology 2A Module 2:	HPH2A20	50%	50 %	5	12	The purpose of this module is to describe the specialized functions of nervous and endocrine systems, discuss the effect of aging on each system and identify examples of interactions with other organ systems to develop students reasoning and analytical skills in the planning, diagnosing, implementing and evaluation of health-related needs and problems.
Human Physiology 2B Module 3:	HPH2B10	50%	50 %	5	12	The purpose of this module is to describe the relationship between the structure and the specialized functions of the cardiovascular, immunity and respiratory systems, predict the effect of aging on each of the above-mentioned systems and identify examples of interactions between other organ systems to develop students reasoning to assess health related needs and problems in humans.
Human Physiology 2B Module 4:	HPH2B20	50%	50 %	5	12	The purpose of this module is to describe the specialized functions of the digestive, excretory and reproductive systems, discuss the effect of aging on the different systems and identify examples of interactions between each organ system with other systems to develop students reasoning and analytical skills in the planning, diagnosing, implementing and evaluation of health-related needs and problems.
Human Physiology 2A	HPH10A2	50%	50 %	5	12	The purpose of this module is to describe the relationship between the structure and the specialized functions of cells, integument, skeleton and muscles, explain the principles of neurophysiology, predict the effect of aging on each of the above-mentioned systems and identify examples of interactions between other organ systems to develop students

						reasoning to assess health related needs and problems in humans.
Human Physiology 2A	HPH02A2	50%	50 %	5	12	The purpose of this module is to describe the relationship between the structure and the specialized functions of cells, integument, skeleton and muscles, explain the principles of neurophysiology, nervous and endocrine systems predict the effect of aging on each of the above-mentioned systems and identify examples of interactions between other organ systems to develop students reasoning to assess health related needs and problems in humans.
Human Physiology 2B	HPH10B2	50%	50 %	5	12	The purpose of this module is to describe the relationship between the structure and the specialized functions of the cardiovascular, immunity and respiratory systems, predict the effect of aging on each of the above-mentioned systems and identify examples of interactions between other organ systems to develop students reasoning to assess health related needs and problems in humans.
Human Physiology 2B	HPH02B2	50%	50 %	5	12	The purpose of this module is to describe the relationship between the structure and the specialized functions of the cardiovascular, immunity and respiratory systems, digestive, excretory and reproductive systems, predict the effect of aging on each of the above-mentioned systems and identify examples of interactions between other organ systems to develop students reasoning to assess health related needs and problems in humans.
Human Resource Management in Sport	HMS8X13 SPB09X7	50% 50%	50 % 50 %	8 8	12 12	Introduction to HR management and “personnel decisions” Leadership & motivation Performance management Human resources and the legislative environment Training and development of employees Assignment presentations & assignment deadline Assignment presentations & assignment deadline
Kinesiology 1A	KIN01A1	50%	50%	5	8	Terminology and orientation The skeletal system The spine and rib cage The upper extremities and scapula

						The lower extremities and pelvis Joints and ligaments The muscular system Muscles of the upper extremities Muscles of the lower extremities Muscles of the spinal column Nerve supply of the musculo-skeletal system And Introduction, terminology and definitions Principles of Physics Scalars and vectors Static and dynamic biomechanics Newtonian laws and applications Lever systems Linear and angular kinematics and kinetics Fluid and gas mechanics Electromagnetic spectrum Joint mechanics Posture and locomotion Dynamic muscle function Neural integration Anatomical and biomechanical analyses
Kinesiology 1B	KIN01B1	50%	50 %	5	8	Introduction to Health Promotion Diseases of a destructive lifestyle Screening for disease Advantages of regular physical activity Lifestyle and behaviour modification Health promotion strategies in different populations: Introduction and definitions Traumatic injuries Overuse injuries Prevalence, predisposing factors and causes of musculoskeletal injuries and conditions Congenital or acquired musculoskeletal conditions Basic treatment of musculoskeletal injuries Prevention of injuries And The student will be able to demonstrate assessment, record and interpret data of body composition, cardiovascular endurance, muscle strength and endurance, power, speed, reaction time, agility, flexibility and balance.
Leisure and Sport Tourism 2D	LST02D2	50%	50 %	6	8	Introduction to leisure: Historical perspective and leisure approaches Introduction to recreation and

						recreational theories Implication on leisure services: Leisure environments Benefits from leisure, program theories Factors that influence leisure and recreation services Structure and growth of recreation in South Africa Leisure service providers: Role player in SA Sport and Recreation Public, volunteer and commercial sectors Leadership in leisure programming Recreation program planning for special populations (ill, seniors and disabled persons) And Learners should develop an understanding and insight into the phenomenon of tourism from a sport and leisure management perspective. The focus will be on the management of the behaviour of the tourist and satisfying his/her needs to various sport and leisure events and facilities. Learners should further be able to plan, organize and lead sport and leisure tours.
Imaging Technology 1	IMT01Y1	100%	0%	5	15	"Basic principles of x-ray production and medical imaging acquisition and equipment."
Imaging Technology 2	IMT01Y2	100%	0%	6	15	Advanced principles of x-ray production, medical imaging acquisition and equipment

Immunology 1	MTI1112	50%	50 %	6	15	Innate and Acquired Immunity Nature of Antigens and Antibodies Lymphatic Organs Complement Major Histocompatibility Complex Immune Response Hypersensitivity Immunological Tolerance Cell-Mediated Immunity Auto-Immune Diseases Immune Deficiency Disorders
Immunology 2	GEPB212	100%	0%	5	7.5	Innate and acquired immunity Nature of antigens and antibodies Lymphatic Organs Complement Major Histocompatibility Complex Immune Response Hypersensitivity Tolerance Cell Mediated Immunity

						Autoimmune Diseases Immune Deficiency Disorders
Integrated Pathophysiology 4	IPP41-1	100%	0%	7	40	Integument/Dermatology Muscle Connective tissue (including bone) Endocrine Reproductive system (Female and Male) Respiratory and Cardiac System Gastrointestinal Tract and ancillary organs Urinary system Infectious diseases Central Nervous System Ocular Nervous System Peripheral Nervous System Oncology
Infectious Disease Epidemiology	IDEEH02	50%	50%	7	10	Introduction to Epidemiology - basic concepts and principles Triad of communicable disease Prevention and control of communicable diseases Communicable diseases Epidemiology of Parasites, Pests and Vector Borne Diseases Diseases surveillance and outbreak Vector Control
Introduction to Environmental Health	ITENV01	50%	50%	6	6	Introduction to professional conduct and ethics HPCSA requirements with reference to the Health Professions Act 56 of 1974 Scope of practice for Environmental Health Environmental Health in context South African ethnic groups, beliefs and cultures and their influence on health and environment
Introduction to Medical Technology 1	IGT1111	50%	50 %	5	12	Safety – biodiversity/laboratory and workplace safety First Aid Medical Terminology / Ethics / HPCSA/SMLTSA/Safety in the Cellular Pathology Laboratories Glassware and plasticware Medical laboratory calculations Sterilisation in the laboratory Use of the Library/literature searches/scientific writing skills Laboratory Quality Assurance and Control/Collection of blood specimens Safety pertaining to handling of specimens, PPE, needles and sharps

Introduction to Optometry	OPI00Y1	50%	50 %	5	8	Introduction to anatomy and function of the eye Optometry within the health care team Outline of optometric terms Outline of an optometric exam Specialized areas of optometric practice Overview of common eye diseases and conditions Commonly used optometric instrumentation and optical appliances First aid, recognition and management in an emergency
Laboratory Management 4	HLM21-1	100%	0%	6	20	Market analysis Legalities Product mix Finances (budget) Finances (Income) Marketing SWOT Analysis Personnel recruitment Selection of personnel Motivation
Laboratory Practice 3	ILP3111	100%	0%	6	60	With reference to the specific discipline: All routine laboratory investigations Clinical applications and interpretation of results Laboratory safety Ethics Work behaviour code Quality control Quality assurance Basic laboratory administration and management
Low Vision 1	LVI00Y4	50%	50 %	7	16	Introduction to low vision and course content Definitions of low vision; functional and legal blindness; population profile Adjustment to vision loss; interview techniques Low vision assessment sequence; case history; low vision record card; Clinic routine Measuring distance visual acuity using low vision charts and techniques Feinbloom distance acuity chart, Lighthouse Distance acuity chart Calculation options for magnification for distance tasks Measuring near visual acuity using low vision charts Lighthouse Near acuity chart,

						Bailie-Lovie chart Calculation options for magnification for near tasks Magnification calculations and conversions between measurement types Low Vision Refraction techniques Prognosis table, External evaluation Visual fields; colour testing; contrast sensitivity Magnification types Distance low vision devices (optical) - telescopes Near low vision devices (optical) - hand & stand magnifiers Low vision training with NEAR optical devices Low vision training with DISTANCE optical devices Optics of low vision devices Eccentric viewing - assessment and training Light glare and contrast Non - optical low vision options including electronic devices Visual field enhancement - management options Bioptic telescopes Assisting the low vision child in the mainstream classroom Management and treatment options of ocular pathologies with central field loss Management and treatment options of ocular pathologies with no field loss - acuity only Management and treatment options of ocular pathologies with peripheral field loss Low Vision in Private Practice - getting started
Management Practice: Disaster Management	DIS01Y4	100%	0%	8	6	South African legislation and the international arena; Risks of disasters; Reasons for apathy; Disaster planning; Different types of disaster situations; Communication during a disaster; Resource management; Incident command system; Triage; Public and media management.
Management Practice: Educational Techniques	EDT01Y4	100%	0%	8	6	Course introduction Effective communication Professional development & Professional knowledge

						Ethics & Professional credibility Cultural sensitivity Planning instructional methods & materials Preparation for instruction Managing the learning environment, to foster learning & performance Managing instruction through technology Student motivation & engagement Presentation skills Facilitation Media & technology Questioning & listening Feedback Promoting retention of knowledge & skills Promote transfer of knowledge & skills Assessing learning & performance Evaluate instructional effectiveness Remediation Conclusion The core elements of this course are benchmarked on the set of competencies for instructors developed by the International Board of Standards for Training, Performance and Instruction (IBSTPI).
Management Practice: Emergency Service Administration	ESA01Y4	100%	0%	8	6	Entrepreneurship theories New venture creation Entrepreneurial risk management Financing new ventures Business Plans Managing and growing an entrepreneurial firm
Management Practice 3	EMP31-1	50%	50%	6	24	Dynamics of administrative processes Central government Local government management Introduction to administrative law Management aspects Office procedure
Management Practice 4	EMP21-1	50%	50%	7	26	Provision of health services Advanced personnel management Advanced financial management Intergovernmental relations Contemporary health aspects
Management Practice	MPENV04	50%	50%	8	17	Change Management Conflict Management Diversity Management The Constitutional Context For Environmental Compliance And Enforcement Project Management and project life- cycle

Manicures And Pedicures Practical	STEP112	50%	50%	5	5	This module will allow students to perform professional manicures, pedicures and tinting procedures as is demanded by industry and the public whilst also being able to recognise pathologies contra-indicated to the treatments that must be referred medically.
Manicures and Pedicures Theory	STEA112	50%	50%	5	5	This module will allow students to perform professional manicures, pedicures and tinting procedures as is demanded by industry and the public whilst also being able to recognise pathologies contra-indicated to the treatments that must be referred medically. Learning units include: Professionalism hand and nail grooming facial and body hair bleaching preparations eyelash and eyebrow tinting preparations manicuring pedicuring pathologies of the nail performing an eyelash and eyebrow tint executing a basic and advanced manicure treatment executing a basic and advance pedicure treatment
Management Principles & Practice	MPP01Y3	100%	0%	7	16	This module will adress management principles, business ethics and corporate social responsibility.
Massage Therapies Practical	STE31PC	50%	50%	6	5	Execute effective manual lymph drainage on the face after taking into consideration contraindications, indications and precautions.
Massage Therapies Theory	STE311C	50%	50%	6	15	This module encompasses manual lymph drainage massage together with a basic theoretical background of various complementary therapies. The following learning units will be facilitated to achieve the outcomes: introduction connective tissue transport systems anatomy and function equilibrium and balance oedema indications and contraindications treatment guidelines Indian head massage acupuncture aura therapy Alexander technique ayurvedic medicine Bach remedies

						biochemical tissue salts colour therapy floatation therapy the healing power of herbs polarity therapy shiatsu Yin And Yang Facial Diagnosis
Materia Medica 2	HMMA311	100%	0%	6	10	The History, Principles and Theories of Homoeopathy Homoeopharmaceutics Homoeopathic Materia Medica (as outlined in learning guide) Basic homoeopathic Case Taking
Materia Medica 3	HMM311	100%	0%	6	25	The History, Principles and Theories of Homoeopathy Homoeopathic Medicines Constitutional Types and Chronic Diseases Homoeopathic Materia Medica and related remedies (as outlined in learning guide) Homoeopathic Case Taking
Materia Medica 4	HMM411	100%	0%	7	25	Polychrests (revision) First aid remedies Homoeopathic remedies and nosodes Miasmatic nosodes Herbal remedies Modern remedies Salt remedies Metals and Metallic Salts Drainage Therapy Bach Flower Remedies (revision) Tissues Salt Remedies (revision) Repertorisation
Materia Medica 5	PMM511	100%	0%	8	30	Methodologies: including case evaluation; hierarchies; miasms and nosological prescribing; use of repertories, including computerized repertories. Materia Medica of lesser known and clinically indicated remedies; taught by comparison and integration with previously learned Materia Medica.
Medical and Surgical Nursing Science: Critical care nursing: General Module 1 & 2	MCV2017	50%	50%	7	16	Fundamental nursing: Scientific method of nursing: Nursing bundles, infection and systematic inflammatory response syndrome, infection control in a specific nursing unit, shock, nutrition, acid base balance and electrolyte balance, electro-cardiographs Introduction to cardiology and

						cardio-surgery advanced medical and surgical conditions
Medical and Surgical Nursing Science: Critical care nursing: General Module 3 & 4	MCV2037	50%	50%	7	16	Neurology and neuro-surgery Nephrology
Medical and Surgical Nursing Science: Critical care nursing: General Module 5 & 6	MCV2057	50%	50%	7	16	Pulmonology General surgery and sepsis
Medical and Surgical Nursing Science: Critical care nursing: General Module 7	MCV2077	50%	50%	7	8	Practical
Medical and Surgical Nursing Science: Critical care nursing: General Module 8	MCV2087	100%	0%	7	120	Practical workbook
Medical and Nursing Science Critical Care Modules 1 & 2	NMS9X3Y	50%	50%	9	8	Fundamental nursing: Scientific method of nursing: Nursing bundles, infection and systematic inflammatory response syndrome, infection control in a specific nursing unit, shock, nutrition, acid base balance and electrolyte balance, electro-cardiographs Introduction to cardiology and cardio-surgery advanced medical and surgical conditions
Medical and Nursing Science Critical Care Modules 3 & 4	NMS9X4Y	50%	50%	9	8	Neurology and neuro-surgery Nephrology
Medical and Nursing Science Critical Care Modules 5 & 6	NMS9X5Y	50%	50%	9	8	Pulmonology General surgery and sepsis and endocrinology
Medical and Nursing Science	NMS9X6Y	50%	50%	9	25	Clinical critical care nursing. Practical

Critical Care Modules 7						
Medical Rescue: Aquatic Rescue 2	AQR01Y3	100%	0%	7	12	Surface Rescue and Lifesaving Small Boat Handling Swift Water Rescue
Medical Rescue: Aviation Rescue 2	AVR01Y3	100%	0%	7	3	Aircraft design, function and fundamentals of aerodynamics and flight Aircraft Safety, communication, signalling, approach and landing areas Trooping procedures Hoisting Lowering Patient packaging and care for patients in the aviation environment
Medical Rescue: Confined Space Rescue 3	CSR01Y4	100%	0%	8	12	Introduction to confined space rescue; Dangers associated with confined spaces; Equipment; Rescue operations.
Medical Rescue: Fire Search and Rescue 1	FSR01Y2	100%	0%	6	12	Fire dynamics Fire Fighting & Equipment Personal Protective Equipment Fire search & Rescue
Medical Rescue: Hazardous Materials Rescue 3	HAZ01Y4	100%	0%	8	6	Hazmat rescue introduction; Properties of hazardous materials; Personal protective equipment; Recognition of hazardous materials; Risk assessment; Incident command; Tactical and defensive control strategies; Decontamination.
Medical Rescue: High Angle 1	HAR01Y2	100%	0%	6	12	This module is divided into seven sections: Introduction to high angle rescue Knots High angle equipment Anchor points and rigging systems Belaying Abseiling Ascending Patient packaging
Medical Rescue: High Angle 2	HAR02Y3	100%	0%	7	12	This module is divided into seven sections: Specialized high angle rescue equipment Advanced anchoring systems Patient management, packaging and stretcher rigging Principles of mechanical advantage Application of advantage systems Suspension systems Climbing Emergencies

Medical Rescue: Industrial & Agricultural Rescue 1	IAR01Y2	100%	0%	6	3	Industrial Incidents Topics Persons trapped in machinery (Rollers, grinders, presses etc.) Escalators incidents Lifts & lift shaft rescues Incidents involving electrical hazards Incidents involving hazardous substances Domestic Incidents Topics Children locked in bathrooms Child head stuck in burglar bars Pool weirs & pumps Children stuck in drains and pipes Electric gates and door entrapments Agricultural Incidents Topics Chemical spills / pesticide leaks Overturned tractors Persons entrapped in farm machinery Incidents involving grain storage bins and silos
Medical Rescue: Motor Vehicle Rescue 1	MVR01Y2	100%	0%	6	12	Introduction to light motor vehicle rescue Light motor vehicle design and construction Equipment used in light motor vehicle rescue Commonly used rescue techniques / procedures

Medical Rescue: Structural Collapse Rescue 3	SCR01Y4	100%	0%	8	12	Structural collapse incident safety; Structural engineering systems; Specialized equipment; Shoring techniques; Breaching-breaking-cutting-burning; Lifting and rigging.
Medical Rescue: Trench Rescue 3	TRR01Y4	100%	0%	7	12	Introduction to trench rescue; Trench rescue equipment; Rescue operation;
Medical Rescue: Wilderness Search & Rescue 2	WSR01Y3	100%	0%	7	7	Introduction to wilderness search & rescue areas and operations Theory of map reading, navigation & survival Practical navigation & camp craft Principles of search management Practical management of a search and rescue operation
Mental Health and Wellness	MHAW01 1					Mental Health and Wellness is essentially a life-skills course designed to educate you in the field of self-care and personal

						maintenance of healthy and optimal functioning. Given that your chosen profession is amongst the highest rated for severe personal consequences such as substance abuse and burn-out, the ability is recognize these conditions is vital. Education and awareness assists us to remain motivated and excited about your work, to sustain passion, commitment, ability and responsibility in the face of prolonged and continued exposure to severe stress and trauma.
Microbiology 2A	GTM2111	50%	50%	6	15	Introduction to Medical Microbiology Safety precautions in the Microbiology Laboratory Morphology Bacterial Genetics Nutrition and Environment of Micro-organisms The Control of Micro-organisms Antibiosis Bacterial Pathology Immunology
Microbiology 2B	GTN2112	50%	50%	6	15	The collection, forwarding and routine examination of clinical bacteriological specimens Tests for the identification of bacteria The bacteria which may be isolated from humans Pathogenesis, epidemiology and control of micro-organisms The microbiological investigation of water, milk and food Serology
Microbiology 3	MGT3112	50%	50%	6	15	Medical mycology Medical parasitology Medical virology
Microbiology Theory	HPMC111	50%	50%	5	12	Scope and history of microbiology Safety in the microbiology laboratory Microscopy Morphology of a typical bacterial cell Staining techniques Nutrition and environment of micro-organisms Collection, transport and examination of mycology Antibiosis Characteristics of organisms and diseases caused Bacterial pathogenicity
Myofacial 5	CBK511A	100%	0%	8	10	Diseases of special concern Background of Myofacial therapy

						Examination and treatment of muscles
Neonatal Nursing Science Module 1 & 2	NNN9X01	50%	50%	8	16	Scientific foundation of neonatal nursing care -Legal issues in NICU - Antepartum-Intrapartum Complications - Physical development of the Newborn - Adaptation to Extra-uterine Life - General Surgery - Developmental Support in the NICU - Psychosocial factors -Common technical procedures Haemo dynamic homeostasis of high care and critical ill neonates Part 1 Acid base balance Respiratory system part 1 and 2 Neonatal Infections X-ray interpretation
Neonatal Nursing Science Module 3 & 4	NNN9X02	50%	50%	8	16	Haemo dynamic homeostasis of high care and critical ill neonates Part 2 Cardio vascular system Part 1 and Part 2 Blood pressure Neurological System Part I and Part 2 Principles of advanced nursing of supportive systems of high risk and critical ill neonates Part 1 Haematological system Fluid and electrolyte maintenance Endocrine system Musculo-skeletal system Genitourinary system Part 1 and Part 2 Metabolic system
Neonatal Nursing Science Module 5 & 6	NNN9X03	50%	50%	8	16	Principles of advanced nursing of supportive systems of high risk and critical ill neonates Part 2 Neonatal Nutrition Gastro-Intestinal Disorders Part 1 and Part 2 Sensory system and thermoregulation Discharge planning Aspects of advanced neonatal nursing Stress, shock and resuscitation Neonatal transport Ethical issues Neonatal management Quality assurance
Neonatal Nursing	NNN9X04	50%	50%	8	60	Comprehensive practical evaluation

Science Module 7						Clinical Skills
Neonatal Nursing Science Module 8	NNN9X05	50%	50%	8	60	Practical workbook Clinical skills
Nuclear Medicine Clinical	NCP01Y1	100%	0%	6	15	The student is introduces to patient care and management, data acquisition including basic data manipulations and general hot laboratory management, elution of a molybdenum generator and measurement of dosages.
Nuclear Medicine Clinical	NCP01Y2	100%	0%	6	15	This module will deal with imaging of the the prescribed systems and the compounding of mix and shake radionuclides
Nuclear Medicine Clinical	NCP01Y3	100%	0%	7	15	This module deals with clinical imaging of the systems covered in Practice 3 and the compounding of the mix and boil radionuclides
Nuclear Medicine Clinical	NCP01Y4	100%	0%	8	15	In this module, students will be able to function in hybrid imaging practices and radionuclide compounding of PET radionuclide
Nuclear Medicine Instrumentation	NMI01Y2	100%	0%	6	15	This module enables the students to learn about the interaction of radioactivity with matter, images production, nuclear medicine instrumentation utilized in nuclear medicine, quality control and radiation protection.
Nuclear Medicine Practice 1	NMP01Y1	100%	0%	6	15	"The student is introduced to good imaging practice, terminology and prescribed imaging systems at this level:• Chest (lungs) • Abdomen (GIT) • Skeletal (in full)"
Nuclear Medicine Practice 2	NMP01Y2	100%	0%	6	15	"This module will deal with imaging of the following systems:• Endocrine • Abdomen (GIT) • RES • Male reproductive"
Nuclear Medicine Practice 3	NMP01Y3	100%	0%	7	15	"This module deals with imaging of the following systems:• Cardiovascular • Lymphatics • CNS • Breast "

Nuclear Medicine Practice 4	NMP01Y4	100%	0%	8	15	"This module deals with imaging of advanced and specialized nuclear medicine procedures in the following: Single Photon Emission Computerized Tomography Imaging (SPECT) Positron Emission Tomography (PET & PET-CT) Infection detection and HIV management Radioimmunoscintigraphy Paediatrics New Developments and literature review Nuclear Medicine in the South African Context "
Nursing Science 2A Family health care in Nursing Science (Midwifery): Module 1 & 2	VPK2A10	50%	50%	7	8	Normal pregnancy and neonatal period Normal labour and postnatal period
Nursing Science 2B Family health care in Nursing Science (Midwifery): Module 3 & 4	VPK2B30	50%	50%	7	8	Problems during pregnancy and the neonatal period Problems during labour and the postnatal period
Nursing Science 2C Family health care in Nursing Science (Midwifery): Module 5 & 6	VPK2C50	50%	50%	7	8	The Infant and the Pre-School Child (birth – 6years) The Primary School Child Communicable Diseases The Adolescent Adulthood Reproductive Health Occupational Health The Elderly
Nursing Science 2D Family health care in Nursing Science (Midwifery): Module 7	VPK2D70	50%	50%	7	8	Midwifery clinical skills related to pregnancy, labour and birth (uncomplicated and complicated; basic and advanced skills when medical assistance is not available) Midwifery clinical skills related to the newborn baby (birth – 6 weeks)
Nursing Science 2D Family health care in Nursing Science (Midwifery): Module 8	VPK2D80	50%	50%	7	8	Family Health clinical skills related to: The Infant and the Pre-School Child (birth – 6years) The Primary School Child Communicable Diseases

Nursing Science 1A Medical and Surgical Nursing Science Module 1 & 2	VPK1A10	50%	50%	7	8	Red blood cell disorders White blood cells disorders Platelet and Coagulation disorders Lymph disorders Cancer Hypertension Acute coronary syndromes Heart failure and Cardio myopathy Cardiac rhythm disturbances Infective and alveolar heart conditions Vascular disorders Diabetes mellitus Endocrine disorders pertaining to pituitary, thyroid, parathyroid and adrenal glands
Nursing Science 1 Medical and Surgical Nursing Science Module 3 & 4	VPK1B50	50%	50%	7	8	Nutrition and nutritional problems Upper gastrointestinal disorders Lower gastrointestinal disorders Liver, gall bladder and pancreas disorders Theatre nursing Soft tissue injuries Musculoskeletal traumas Minor orthopaedic ailments Arthritic and connective tissue disorders Infective and non-infective skin disorders Burn injury
Nursing Science 1C Medical and Surgical Nursing Science Module 5 & 6	VPK1C50	50%	50%	7	8	Chest traumas and respiratory tract infections Obstructive airway disorders HIV/AIDS Respiratory failure Ear, Nose and Throat disorders Eye conditions Brain trauma, Intracranial disorders and Infectious and inflammatory brain disorders Cerebral blood flow disorders Chronic neurologic disorders Peripheral nerve conditions and Spinal cord injury Urinary tract infection and Inflammatory conditions Renal failure Male reproductive and sexual disorders
Nursing Science 1D Medical and Surgical Nursing Science Module 7 & 8	VPK1D70	50%	50%	7	8	Clinical skills related to the following systems: Haemapoetic Oncology Cardiovascular Endocrinological Gastrointestinal Theatre nursing Musculo-skeletal

						Dermatology Clinical skills related to the following systems: Pulmonology skills Ear, Nose, Throat and Eye skills Neurologic skills Nephrology and Urology skills
Nursing Science 4A Nursing Dynamics Module 1 & 2	VPK4A10	50%	50%	7	8	The research process: Formulation and conceptualisation The world of nursing research Research ethics Formulation in research Conceptualisation in research The research process: Design and communication Research design Population and sampling Validity and reliability / trustworthiness Data collection Data analysis Communication of findings
Nursing Science 4B Nursing Dynamics Module 3 & 4	VPK4B30	50%	50%	7	8	Nursing unit management Foundations of nursing unit management Philosophy and objectives General routine in the unit Organisation in the nursing unit Directing in the nursing unit Decision making and problem solving Harmony in the nursing unit Financial accountability Quality improvement in the nursing unit Communication in the nursing unit Disaster planning in the nursing unit Personnel management in the nursing unit Education and staff development Career management Quality nursing unit management Introduction to research Clinical nursing education: A learning approach Teaching and learning principles Accompaniment in the clinical unit The learning facilitator as reflective practitioner The adult learner The clinical unit as learning context: In-service education and orientation program Teaching strategies and media Evaluation in clinical teaching

Nursing Science 4C Nursing Dynamics Module 5 & 6	VPK4C50	50%	50%	7	8	Ethos and Professional Practice Professional foundations of nursing Professional organization Professional regulation Professional accountability Ethical decision making Health services dynamics: Health service delivery in South Africa: foundation and legal framework Health service delivery in South Africa: structure and management International health service delivery: comparative framework Contemporary issues in health service delivery Management of health education/promotion Community development: principles and process
Nursing Science 4D: Nursing Dynamics Module 7	VPK4D70	50%	50%	7	8	The Research Proposal
Nursing Science 4D Practical Unit Management and Comprehensive Health Care Module 8	VPK4D80	50%	50%	7	8	-Clinical Community Health Nursing Science skills: Health diagnosis, treatment and care of people in all phases of life Prevention and control of communicable diseases Family health Management of a community health service Health education -Nursing unit management skills: Strategy implementation Policy development Organisational management Guidance Evaluation of quality improvement
Nursing Science 3A Psychiatric and Mental Health Nursing Science Module 1 & 2	VPK3A10	50%	50%	7	8	Theory for Health Promotion in Nursing and other Theories. Psychiatric Nursing: An introduction to the field. Philosophical perspectives on man and the world. Historical development in the world and in South Africa. The Psychiatric and Mental Health Nurse and her functions within the Trans-professional team. Legal-ethical framework within Psychiatric and Mental Health Nursing Science. Introduction to the nursing process The individual: The one-to-one relationship

						The family across life-span The community – Primary Mental Health care focus
Nursing Science 3B Psychiatric and Mental Health Nursing Science Module 3 & 4	VPK3B30	50%	50%	7	8	Interpersonal relationships and self-knowledge Management of conflict and change Psychopharmacology International classification of mental illness Etiology and diagnosis of mental illness Anxiety disorders, somatoform and dissociative disorders Substance related disorders Sexual disorders / dysfunction (and HIV/AIDS counselling) Personality disorders Schizophrenia Mood disorders Cognitive disorders: Delirium / Dementia Eating disorders
Nursing Science 3C Psychiatric and Mental Health Nursing Science Module 5 & 6	VPK3C50	50%	50%	7	8	Facilitative communication skills **(**Attitudes of empathy, unconditional acceptance, congruency, authenticity) Interviewing (Management of persons suffering from a thought, mood or behavioural disorder) Group work Mental Health Education Therapeutic Milieu The mentally challenged child (START) Violence and Anti-Psychiatric movements Cultural sensitivity Crisis intervention and suicide
Nursing Science 3D Psychiatric and Mental Health Nursing Science Module 7	VPK3D70	50%	50%	7	8	Facilitative communication skills and attitudes of empathy, congruency, authenticity and unconditional acceptance Interviewing (Assessment/problem-solving/supportive/crisis)
Nursing Science 3D Psychiatric and Mental Health Nursing Science Module 8	VPK3D80	50%	50%	7	8	Mental Health Education Milieu Therapy Group work Nursing process with the family START
Nutrition 1	NUT01A1	50%	50%	5	15	A basic background of nutrition for health and exercise. The role of nutrition in: Pregnancy Growth and development

						Adults Elderly Osteoporosis Immunity and autoimmune disorders (e.g. HIV) Obesity Diabetes mellitus Hypertension Coronary artery disease Cancer Nutritional assessments
Nutrition 1	SNU11-1	50%	50%	5	10	Quality assurance and quality control for food Internal factors influencing food intake External factors influencing the intake of food Carbohydrates, lipids and proteins Vitamins Minerals Water Food groups Meal planning Vegetarianism Cholesterol Alcohol Kwashiorkor and marasmus
Nutrition 2	SNU21-1	50%	50%	6	10	This module serves to highlight the different and changing nutritional needs during the different phases of life as well as the impact that a compromised diet and the possible reasons for this can have on individuals at/during these different stages. A student will be able to demonstrate competence of the theory relevant to Nutrition II that underpins the effective implementation of integrated thinking within the health and skincare realm in order to inform the clients holistically. This module includes the following learning units: Nutrition during pregnancy and lactation Nutrition during infancy Nutrition for pre-scholars Nutrition for pre-adolescents and adolescents Nutrition for young adults Nutrition for middle aged adults Nutrition for old age Nutrition for osteoporosis
Nutrition 3	SNU32-1	50%	50%	6	10	Therapeutic assessment & nutritional assessment Nutritional counselling Food Allergies & Intolerance Diabetes mellitus

						Nutrition in Endocrine Disorders Nutrition in Cardiovascular disease Nutrition in diseases of the Kidney Nutrition in Food, Nutrient, and Medication Interactions Nutrition in Stress, Burns & Surgery Nutrition in Cancer Nutrition in HIV/AIDS Nutrition in Infections, Fevers, Tuberculosis & Protein deficiency Nutrition in Gastrointestinal Tract Nutrition in diseases of the Liver, Gallbladder & Pancreas
Occupational Health and Safety 2	OHS21-1	50%	50%	6	24	Basic principle of Occupational Hygiene Occupational Health and Safety legislation and Occupational Exposure limits Sound and Noise Vibration Temperature extremes Ionizing radiation No- ionizing radiation Occupational safety
Occupational Health and Safety 3	OHS32-1	50%	50%	6	24	An overview of Chemical Environmental Factors Dusts, fumes and fibres Gases and vapours Occupational Dermatitis Pesticides Biological Environmental factors Ergonomics Controlling the Occupational Environment Occupational Health and Safety Programs
Occupational Health and Safety: Chemical/Biological	OHSCB03	50%	50%	8	20	An Overview of Chemical Environmental Factors Dusts, Fumes and Fibres Gases and Vapours General Ventilation Industrial Ventilation Dermatitis Pesticides Biological Environmental Factors Ergonomics Controlling the Occupational Environment Occupational Health and Safety Programs
Occupational Health and Safety 4	OHS43-1	50%	50%	7	36	Overview of basic principles of Occupational Hygiene Overview of Occupational Hygiene stressors Legislation in Occupational Health and Safety Risk Assessment and Occupational

						Hygiene Management Occupational Hygiene monitoring strategies Statistics in Occupational Hygiene Biological monitoring
Occupational Health and Safety Management Systems	OHSMS04	50%	50%	8	24	Overview of Basic Principles of Occupational Hygiene Legislation in Occupational Health and Safety Risk Assessment and Occupational Hygiene Management (OHS 18000) Occupational Hygiene Monitoring Strategies Occupational Health service management Emergency Care and Disaster Management Biological Monitoring Topics in Occupational Health and Safety
Occupational Health and Safety Physical Stresses	OHSPS02	50%	50%	7	20	Basic Principles of Occupational Hygiene Occupational Health and Safety Legislation and Occupational Exposure Limits Sound and Noise Vibration Temperature Extremes Ionizing Radiation Non-Ionizing Radiation Occupational Safety Lighting Pressure
Occupational Health Nursing Science Module 1 & 2	GGB2017	50%	50%	7	16	Occupational Health service management Personnel management Hazardous material management Acts and regulations Risk control requirements Work relations/ business ethics
Occupational Health Nursing Science Module 3 & 4	GGB2037	50%	50%	7	16	Risk assessment and management Comprehensive health assessment of employees Medical surveillance Principles of health education Specific health education to employees Environmental health education/hygiene Biological monitoring
Occupational Health Nursing Science Module 5 & 6	GGB2057	50%	50%	7	16	Internal disaster management First Aid Chronic and minor disease management (general principles) Communicable diseases (general diseases)

Occupational Health Nursing Science Module 7	GGB2077	50%	50%	7	8	International and national dynamics impacting on Occupational Health services. National, regional and local occupational and health profile. Applied epidemiological surveillance Clinical skills (general principles): Specific clinical skills and Interviewing and counselling skills
Occupational Health Nursing Science Module 8	GGB2087	100%	0%	7	120	Clinical skills (general principles) Specific clinical skills Interviewing and counselling skills
Ocular Anatomy and Physiology 3	OAF03A3	50%	50%	6	4	A candidate credited with this module will be able to define and explain the embryonic development of the human eye, the visual pathway and the innervation of the eye and accessory structures. The student will also be able to define and explain the composition of the bony orbit, the structure and histology of the eyeball and accessory structures using the microscope, charts and dried skeletal parts.
Ocular Anatomy and Physiology 3	OAF03B3	50%	50%	6	4	Students credited with this module will be able to discuss the importance of tear film and movement of solutes, oxygen and water through the cornea. They will be able to explain the mechanisms of tear film production and corneal membrane transport. The student will also be able to define the composition of the fluids in the eye adjacent to the lens, retina and cornea and explain the physiological processes responsible for the proper functioning of these fluids and structures.
Ocular Anatomy and Physiology 3	OAF3B20	50%	50%	6	4	A candidate credited with this module will be able to define the composition of the fluids in the eye adjacent to the lens, retina and cornea and explain the physiological processes responsible for the proper functioning of these fluids and structures.
Ocular Pathology 1	OPA00Y3	50%	50%	6	20	Diseases and disorders of: Tears and adnexa The eyelids Conjunctiva Cornea The anterior uvea

						The pupils Sclera Episclera.

Ocular Pathology 2	OPA00Y4	50%	50%	7	20	The Vitreous Composition/normal features, Developmental Abnormalities of the Vitreous, Vitreous degeneration, Posterior vitreous detachment, Asteroid Hyalosis, Synchisis Scintillans, Vitreous Haemorrhage, Vitreous Opacities, Pigment, cells, muscae volitantes, vitreous adhesion syndromes, persistent hyperplastic primary vitreous, vitreous membranes, Vitreous Prolapse, Vitrectomy The Uvea Review of the anatomy, Clarification of terms, Congenital abnormalities (uvea), Pupil abnormalities, Iris pigment abnormalities, Congenital, Acquired, Anterior uveitis, Clinical implications, Etiologies and associated conditions Posterior Uveitis General / definition choroiditis, Clinical implications, Aetiologies and associated conditions, Suppurative uveitis, Complications of uveitis, Degenerative conditions of the uvea (link to retinal degenerations also), Neoplasms, Iris and ciliary body, Choroid and ciliary body The Retina, Anatomy review, Introduction, Differential diagnosis of retinal lesions, Haemorrhages in the retina and choroid, Vascular related abnormalities to the retina, The macula, Anatomy review, Clinical examination of the macula, Diseases of the outer retina, Diseases of the inner retina, Other retinal inflammations, Introduction to Fluorescein Angiography, New trends in the management of retinal hypoxic conditions (off label levostin) Ocular Vascular Anomalies Internal Carotid Artery Disease, Introduction, Clinical manifestation, General, Ocular, Ocular signs, Relevant Diagnostic Procedures/ Tests / Management, Retinal Arterial Occlusion, Central Retinal

						Arterial Occlusion, Branch Retinal Arterial Occlusion, Retinal Vein Occlusion, Central Retinal Vein Occlusion, Branch Retinal Vein Occlusion, Hypertension and Arteriolar Sclerosis, Review of the disease process, Cardiac cycle, Measurement of blood pressure and referral criterion, Terminology, Retinal changes in hypertensive disease, Reversible changes, Irreversible changes, Hypertensive versus arteriolar changes, Various grading/classification criteria, Other retinal vascular abnormalities Diabetic Retinopathy Type I diabetes, Type II diabetes, Diagnosis of diabetes, Symptoms of diabetes, Non-Retinal ocular conditions, General/epidemiology, Pertinent history taking and eye examination Pathogenesis of diabetes, Classification of diabetic retinopathy, Treatment and Management of Diabetic Retinopathy Retinal Degenerations / Variations Peripheral retina, Retinal dialysis, Retinoschisis, Retinal detachments, Other retinal degenerations, Retinal tumours Injuries to the retina Other common diseases with ocular involvement Introduction to rheumatology, Systemic lupus erythematosis, Rheumatoid arthritis, Juvenile rheumatoid arthritis, Sjogrens syndrome, Systemic sclerosis, Polyarteritis, Temporal arteritis, Thyroid disorders, Bell's palsy, Anemias, Sickle cell retinopathy, Myasthenia gravis, Multiple sclerosis, Other Optic Nerve Disease and Anomalies Review of anatomy, Signs and symptoms of optic nerve disease, Congenital and developmental anomalies, Optic neuritis, Anterior ischemic optic neuropathy, Lebers optic neuropathy, Papilledema, Optic atrophy: Etiological classifications, Primary optic atrophy, Secondary atrophy Chiasmal and retrochiasmal lesions Pathology of the orbit Inflammatory conditions,

						Neoplasms, Trauma The lens Lens changes, Cataract surgery, Management of patients (with a view to co-operative management), Pre-operative management, Post-operative management, Complications of cataract surgery.
Oncological Management Strategies 4	RPT411B	100%	0%	7	48	Advances in oncological management Developments in radiotherapy equipment Clinical trials : research in radiotherapy Quality assurance in radiotherapy Departmental management Introduction to training and data present
Optometry 3 Theory	OPT00Y4	50%	50%	8	10	
Ophthalmic Optics	OOP00Y2	50%	50%	6	12	Types of optical system Stigmatic and astigmatic systems Centred systems Pencils, divergency, vergence and wavefronts Dioptric power The lens in general Step-along vergence method Back- and front-vertex 'power' Afocal systems Fused bifocal lens Ametropia and emmetropia Under-water prescription goggles The pseudophakic eye Transposition Best forms Optical axis and centre Sagitta and lens thickness Conics and quadrics Astigmatic refracting surfaces Curvature and power crosses Principal meridional representation of power Stigmatic, astigmatic and antistigmatic powers Astigmatic vergence The thin bitoric lens Crossed cylinder notation; sphere, cylinder and axis The spectacle lens Sphero-toric transposition Over-refraction and residual refraction The dioptric power matrix and applications Back-vertex power of a thick bitoric Principle of invariance under spherocylindrical transposition

						Thick lenses and asymmetric dioptric power The submerged eye and the contact lens Symmetric dioptric power space The Jackson cross-cylinder The Jackson cross-cylinder in the refraction routine Tilted thin lenses The inclination of a ray and its deflection by surfaces and lenses Risley prism pair Fresnel prism Prismatic effect in thin lenses and bifocal, multifocal and varifocal lenses; Magnification and blur The eye and spectacle lens The eye and contact lens The eye and iseikonic lenses and telescopes
Optics	OPO00Y2	50%	50%	6	12	Theory: The basics of optics, light, vision and optical surfaces Geometric behaviour of light. The concept of vergence Refraction at Plane and curved surfaces. Reflection Refracting States of the Eye. Thin lenses, thick lenses and lens systems. Angular magnification Stops in optical instruments. Aberrations Photometry Colour The physical nature of light Waves and Superposition Diffraction Scattering and Polarization Systems Evaluation Practical: Geometrical Optics Reflection by plane and spherical surfaces Refractive index Deviation produced by a prism Refraction of light through lenses Lens combinations The lens makers equation Illumination Inverse square law Lambert's law Reflection factor Transmission factor Physical Optics Wavelength using spectrometer

						Wavelength using diffraction grating Thickness using an air wedge Radius using Newton rings

Optometry 1 Practical	OPP00Y2	50%	50%	6	8	Case History Visual Acuity Emmetropia & Spherical Ametropia Astigmatism Accommodation Presbyopia Eye Movements External & Internal Ocular Health Examination Visual Fields
Optometry 1 Theory	OPT00Y2	50%	50%	6	8	General Terminology The Eye as an Optical System Gullstrand I & II and Reduced Eyes and related calculations Visual Acuity Contrast Sensitivity Emmetropia Spherical Ametropia Astigmatism Accommodation Presbyopia Eye Movements (vergence and versions) Colour Vision The Eye Examination
Optometry 2 Practical	OPP00Y3	50%	50%	6	10	Refraction methods Retinoscopy methods Accommodation test Vergence testing Phorometry testing Diagnostic procedures Case analysis
Optometry 2 Theory	OPT00Y3	50%	50%	6	10	Refraction Retinoscopy Accommodation Vergence Phorometry Binocularity Case analysis Analytical optometry
Optometry 3 Research Methods	OPP00Y4	50%	50%	7	10	Optometric research methods General introduction Basic principles and symmetric dioptric power space Quantitative and qualitative analysis and representation of vision statistics and variation using stereo-pair scatter plots, and meridional and polar plots Hypothesis testing and inference Departures from multivariate normality and surfaces of constancy Introduction to

						psychophysics of vision Quantitative and qualitative analysis and representation of multidimensional data including transferences for optical systems such as the eye Introduction to other topics relating to research methodology such as ANOVA and MANOVA. Supplementary diagnostic methods Electrodiagnostic methods (visual evoked potentials, electroretinography and perimetry) Ultrasonography Optical coherence tomography and scanning laser polarimetry or ophthalmoscopy General diagnostic procedures (including gonioscopy, applanation tonometry, retinal lenses and binocular indirect ophthalmoscopy) Theoretical and clinical/ practical aspects of ocular and vision care Modern advancements and methods of optometric case analysis Optometry and its role regarding refractive surgery including corneal topography and wavefront aberrometry Optometric image quality metrics such as point spread and modulation transfer functions Neurological examination of the optometric patient Basic laboratory medicine for optometrists Colour deficiency Current topics from the literature
Paediatric Optometry 1	PED00Y3	50%	50%	6	14	General development of the child Important prenatal milestones Embryology of the eye Prenatal environmental influences APGAR scale Premature infants Postnatal development (Birth to two years) Physical, Language, Emotional, Social, Intellectual / Cognitive Development of reflexes Genetics (Autosomal dominant, autosomal recessive, X-linked, Mendelian) Common ocular abnormalities associated with genetics Theories: Piaget, Erikson, Freud, (Getman) Nutrition

						Developmental problems in infancy Development in childhood (two years to twelve years) Physical, Language, Emotional, Social, Intellectual / Cognitive Visual and refractive development of the child Topics to be covered: Development of the visual system and refractive error Assessment of the visual system and refractive error Examination and handling the paediatric patient Case history Visual examination of the infant Visual examination of the preschool child Visual examination of the school-going child Development of perceptual skills Specific tests used in perceptual evaluation Introduction to the reading process Reading eye movements Introduction to learning disabilities Introduction to dyslexia, attention deficit disorder and scotopic sensitivity syndrome Multidisciplinary team Visual screening
Paediatric Optometry 2	PED00Y4	50%	50%	7	16	Introduction and revision of third year work Expectations and Evaluations of the paediatric visual examination Case History Model of Vision Developmental milestones of the child Visual development Visual Perceptual Evaluation of the child Optometric management of Visual Perceptual skills dysfunctions Visual acuity Evaluation of the child Refractive error Evaluation of the child Ocular health Evaluation of the child Management of Visual acuity problems & Refractive error Visual Efficiency Evaluation Management of Visual Efficiency Vision Therapy procedures for Developmental Visual Information Processing Disorders Overview of learning disabilities, coloured overlays and reading

						Paediatric Ocular Pharmacology Assessment and Management of the Exceptional Child Diseases of orbit and anterior segment Diseases of posterior segment Ocular Manifestations of systemic diseases Interdisciplinary management
Paediatric Radiation Oncology	PRO01Y4	100%	0%	8	16	This module will develop skills in the oncological and psychosocial management of the paediatric patient
Pathology	PTY01Y1	100%	0%	5	15	"This module addresses the basic principles of pathology including the following: • Introduction to basic pathology and medical terminology • Etiology of disease. • Cell necrosis and degeneration. • Inflammation and infection. • Repair and healing. • The immune response. • Disorders of growth. • Circulatory disorders. • Genetic disorders and effect of radiation on normal tissue. • Infective diseases.
Pathology and Medicine Theory	HPMB211	50%	50%	6	15	Anatomical Pathology Neurology Orthopaedics Obstetrics and Gynaecology Medicine General Surgery Paediatrics
Pathophysiology	HMS8X02	50%	50%	7	15	Scope of pathophysiology Cell and tissue damage Disease mechanisms Cardiovascular system Respiratory system Endocrine system Musculoskeletal system Nervous system Metabolic disorders Carcinogenesis and neoplasia Ageing and death
Pharmacology 1	HBF31-1	50%	50%	6	10	General principles of pharmacology Autonomic nervous system Central nervous system Cardiovascular system Respiratory system Diuretics Gastrointestinal and anti-emetics Endocrine system Chemotherapeutic drugs Anti-inflammatory drugs and autacoids HPCSA: PBECP approved drugs

						Vaccines Categories of Drugs Local Anaesthetics Gout Medications Corticosteroids AntiDiabetic agents Antibiotics Antifungals Dermatologic Pharmacology Prescription Writing Drug Interactions Antihypertensive Angina Heart Failure Anxiolytics and Hypnotics Antiepiletics Parkinson's Medication Psychosis Gastrointestinal tract Asthma Allergy DMARDS Antimycobacterial Drugs Antivirals Blood Coagulation
Pharmacology 1	PHA01Y3	100%	0%	7	12	General principles of pharmacology Autonomic nervous system Central nervous system Cardiovascular system Respiratory system Diuretics Gastrointestinal and anti-emetics Endocrine system Chemotherapeutic drugs Anti-inflammatory drugs and autacoids HPCSA: PBECP approved drugs Vaccines
Pathophysiology	PPH1112	50%	50%	6	15	The purpose of this module is to familiarise the student with: • the disease processes of the body • the terminology and definitions used in Pathology • the mechanisms of disease • the limitations of the body's response to disease • the consequent disturbances of structure and function of cells, tissues and organs • the causes of disease • the main technological disciplines used for diagnosis of and research on disease processes This module prepares the student for all the second and third year

						specialist subjects
Philosophy Principles and History 1	WBG11-1	100%	0%	5	10	Introduction to the basic concepts of science, scientific enquiry; the history of the development of homoeopathy; the main concepts in homoeopathy: proving's; principle of similar; vital force; Hierarchy of Symptoms; Hering's Law of Direction of Cure; Individualisation; Acute versus Chronic Disease. Sources of Homoeopathic Medicines; Minimum Dose and Potentisation; Basic concepts of constitutional prescribing including grading of symptoms and constitutional typologies; general principles of case taking; prognosis; introduction to Hahnemann's theory of chronic diseases; Obstacles to Cure, including lifestyle issues; Limitations of homoeopathic therapeutics. Relationship between acute and chronic disease; Case taking in acute conditions; application of the similimum principle in acute cases especially: trauma, shock (physical and emotional); as well as acute common febrile conditions and acute vomiting and diarrhoea; stress, anxiety and exhaustion. Management, prevention and referral of these conditions. Use and care of homoeopathic medicines in the situations above.
Percuptual Motor Behaviour	PMB01Y2	50%	50%	6	30	Perceptual-motor development theories Growth, development, maturation and aging The structure and function of the central nervous system as it relates to human functioning in a biokinetic context Normal and abnormal human movement patterns Learning new skills and correcting faulty ones Disabilities and their management using perceptual motor learning approaches
Physical Wellness	HMS8X07	50%	50%	8	15	Different dimensions of health Human motor development Advantages of physical activity Screening programmes Intervention programmes Behavioural modification

						Special populations
Physical Preparedness 1,2,3 & 4	PFP01Y1 PFP02Y2 PFP03Y3 PFP04Y4	100%	0%	5	None credit bearing pre- requisite modules	These modules will concentrate on preparing students both mentally and physically to effectively and safely participate in medical and rescue training and or operational work. **Core components include:** Physical conditioning (coordination, speed, strength and stamina) Mental preparation and recognition of mental and physical limits in oneself and others; Healthy living and nutrition; Power to weight ratios and management of body weight; Teamwork and leadership in difficult environments; Managing fatigue and physical in oneself and others discomfort; Swimming abilities; Intrinsic and extrinsic motivational approaches to facilitate individual and team achievement during mentally and physically challenging environments; Important of timekeeping and punctuality.
Physiology 1	PHY01Y1	100%	0%	5	12	This module will enable students to gain the relevant physiological background applicable to Emergency Medical Care in the following topics: Chemistry The cell Skin Muscle Bone Nervous system Endocrine system Reproductive system Blood Cardiovascular system Lymphatic system Immune system Respiratory system Digestive system Urinary system.
Physiology 2	HCB21-1	100%	0%	6	17	This module will enable students to gain the relevant physiological background applicable to Podiatry in the following topics: Principles of covering, support and movement Regulation and integration systems of the human body Maintenance of the human body Continuity of life

Physiology 2	FIS211	100%	0%	5	35	This module will enable students to gain the relevant physiological background applicable to Chiropractic and Homoeopathy in the following topics: Principles of covering, support and movement Regulation and integration systems of the human body Maintenance of the human body Continuity of life
Physiology 2	PHY02Y2	100%	0%	6	12	This module will enable students to gain the relevant physiological background applicable to Emergency Medical Care in the following topics: Principles of covering, support and movement Regulation and integration systems of the human body Maintenance of the human body Continuity of life
Planning for Built Environment	PFBEE02	50%	50%	6	10	Town planning for the Environmental Health Practitioner Layout planning) Building technology – Terminology, building process, site selection and site works Structural building components Environmental Health related elements of planning
Podiatric Anatomy 2 Practical	GVA212B	50%	50%	6	30	This module will enable students to gain the relevant lower limb anatomical background applicable to Podiatry in the following topics specifically focussing on the practical application: Surface anatomy and landmarks Skeletal anatomy Muscular anatomy Cardiovascular anatomy Neural anatomy
Podiatric Anatomy 2 Theory	GVA212A	50%	50%	6	30	This module will enable students to gain the relevant lower limb anatomical background applicable to Podiatry in the following topics specifically focussing on the theoretical application: Surface anatomy and landmarks Skeletal anatomy Muscular anatomy Cardiovascular anatomy Neural anatomy

Podiatric Medicine Practical 1	HPMB111	50%	50%	5	12	Padding and Strapping Basic Podiatric Osteology and Biomechanics Common skin and subcutaneous tissue pathologies Surgical/Wound Dressings Disinfection and Sterilization Basic First Aid Course Instruments and equipment Patient records Patient examination
Podiatric Medicine Theory 1	HPMA111	50%	50%	5	12	Introduction to Podiatry profession and Terminology Basic Podiatric Osteology and Biomechanics Basic Pedal Dermatology Common Skin and Subcutaneous Tissue Pathologies Onychopathies Footwear Basic Pharmacotherapeutics (Podiatric) Surgical/Wound Dressings Disinfection and Sterilization Basic First Aid Course
Podiatric Medicine 2 Theory	HPMA211	50%	50%	6	15	The Effects of systemic Diseases on The Leg and Foot. Ulceration of the Lower Limb Manifestations of Neurological Disturbances of the Lower Limb Introduction to Pharmacotherapy Oedema
Podiatric Medicine 3	HPM32-1	50%	50%	7	24	Review of Podiatric Medicine II Developmental deformities Forefoot conditions Hind foot Osteochondritis Ankle pathologies Knee pathologies Hip Pharmacological management Clinical investigations Traumatic inflammatory conditions of the lower limb Dermatologic conditions of the lower limb
Podiatric Orthotics Practical	PKSC211	50%	50%	6	15	Simple Innersoles Silicone Devices Orthotics Gait Cycle
Podiatric Orthotics Theory	PKSD211	50%	50%	6	15	History of Biomechanics Gait Cycle Simple Innersoles Silicone Devices Orthotics Footwear

Podiatric Sports Medicine 4	HPMA411	50%	50%	7	17	General Sport Patient Administration Sport Pathologies Systemic Pathologies Sport Equipment Sports Traumatology Sports Injury Management
Podogeriatrics 4	HPMC411	50%	50%	7	17	Geriatric pharmacology Gait disorders and mobility in the elderly Pruritis in geriatrics Lower limb edema Pedal and lower limb manifestations of the systemic diseases in geriatrics Ulcerations in geriatrics Onychology Podiatric relevance of geriatrics with special needs Footwear Community Health Laboratory tests Podiatric primary health care Euthanasia and Dying
Podogeriatrics 4	HPMB411	50%	50%	7	17	Growth and development Examination and history taking Orthopaedics and gait analysis Dermatology The child and sports Footwear Foot health
Post-Basic Pharmacology in Nursing Module 1 & 2	FAR9X01 FAR02A2	50%	50%	6	8	Pharmacokinetics Calculation of dosages Autonomic nervous system Parasympathetic nervous system Sympathetic nervous system Drugs affecting the respiratory system Cardiovascular system Congestive heart failure, angina pectoris and arrhythmia's Diuretics Hypertension Anticoagulants and anti-lipemics Legal and ethical aspects. Thinking skills for diagnosis, treatment and care. Management and scientific principles and processes. Basic pharmacological concepts.
Post-Basic Pharmacology in Nursing Module 3 & 4	FAR9X02 FAR02B2	50%	50%	6	8	Hormones of the pituitary, thyroid, adrenal, pancreas, sex hormones Introduction to antibiotics Antifungal drugs Antivirus and AIDS Tuberculosis, malaria and worms Vitamin and mineral replacements Poisoning and emergencies

						Drugs affecting the central nervous system Nausea and vomiting Gastro-intestinal drugs Analgesics
Practical Aspects 2E	PRA02E2	50%	50%	6	8	Practical Experiential learning of presentation of a fun day for Senior citizens; practical implementation of theoretical knowledge of management at recreation camp; Practical experience of event management and presentation of volunteer projects
Practice Administration	PAM01A1	50%	50%	5	15	International and national historical aspects of management in sport and health. Economy of sport and health. Administration of an enterprise, running meetings, organizing and managing equipment and facilities; managing financial aspects. Basic principles relating to the management and administration of a private practice.
Practice Management & Entrepreneur-ship	PME01A1	50%	50%	8	15	Establishment, management and administration of a biokinetics practice. Entrepreneurial skills within the health care industry
Practice Management and Jurisprudence	PMJ111H PMJ111C	50% 50%	50% 50%	6 6	10 10	Entrepreneurship theories New venture creation Entrepreneurial risk management Financing new ventures Business Plans Managing and growing an entrepreneurial firm Entrepreneurship theories New venture creation Entrepreneurial risk management Financing new ventures Business Plans Managing and growing an entrepreneurial firm
Primary Health Care: Clinical Skills	GGP2017	50%	50%	7	16	History taking and diagnosis on history Physical examination and diagnosis Management which includes non-drug and drug investigations, referral and review of patients
Primary Health Care: Workbook and Case Studies	GGP2027	50%	50%	7	16	Interviewing and counselling techniques Framework and techniques for assessment Rational decision making To be applied in all theory and clinical learning opportunities

Primary Health Care: Clinical Nursing Diagnosis, Treatment And Care Paper 1	GGP2037	50%	50%	7	16	Clinical manifestation, patho-physiology and management of the conditions of the ears, nose, throat (including mouth and neck), eyes, skin and lymph glands Clinical manifestation, patho-physiology and management of the conditions of the respiratory and cardio-vascular systems
Primary Health Care: Clinical Nursing Diagnosis, Treatment And Care Paper 2	GGP2057	50%	50%	7	8	Clinical manifestation, patho-physiology and management of the emergency conditions and common surgical problems presenting at PHC level Clinical manifestation, patho-physiology and management of the conditions of the digestive and endocrine systems
Primary Health Care: Clinical Nursing Diagnosis, Treatment And Care Paper 3	GGP2077	50%	50%	7	120	Clinical manifestation, patho-physiology and management of the conditions of the female reproductive system, renal system, STI and HIV/Aids
Principles and History of Chiropractic	WBG111 A	100%	0%	5	10	History of Chiropractic Chiropractic Techniques Health and Subluxations Chiropractic Hypothesis Role of Chiropractic in treating disease The Role of Chiropractic in Society
Principles of Practice and Chiropractic 4	PPC42-1	100%	0%	7	25	Practical Component : Introduction to Manipulative Therapeutics and Revision Cervical spine adjustment and mobilisation techniques Thoracic spine adjustment and mobilisation techniques Rib adjustment and mobilisation techniques Lumbar-sacral adjustment and mobilisation techniques Flexion-Distraction, Biomechanical Blocking and Drop Table techniques Theory Component : Mobilisation versus Adjustment techniques Indications and Contra-indications to spinal adjustments Cervical manipulation and vertebral artery injury Sandoz's paper Clinical integration utilising case studies to determine the type of technique, line of drive and type of thrust

Principles and Practice of Chiropractic 5	MNP511	100%	0%	8	30	Clinic Procedure and Regulations Policies and Procedures Forms and Processes Rules and Regulations Discipline Assistant Lecturers/clinicians Ongoing evaluation Duties and Responsibilities Ethics and Council Regulations Ethics Patient relations Confidentiality Informed consent Professional Bodies and Statutory Councils Medical Schemes and Managed Care National Patients' Rights Charter Chiropractors, Homeopaths and Allied Health Services Professions Act Professional Communication Skills Referral letters and medico-legal report writing Presentation of cases Patient Education When to refer a patient Paediatrics Special Considerations Chiropractic and Paediatrics Chiropractic Techniques for the infant and toddler Geriatrics Special Considerations Chiropractic and Geriatrics Modified Techniques for the Geriatric Patient Practical Module Shoulder Techniques Elbow techniques Wrist and Hand Techniques Hip Techniques Knee Techniques Ankle and Foot Techniques Paediatric Techniques Geriatric Techniques
Principle and Practice of Environmental Health	PPE01X1	50%	50%	9	20	
Professional Nursing Science 1A	PNS01A1	50%	50%	6	16	Professional foundations of nursing Professional organisation Professional regulation Professional accountability Ethical decision making And Foundations of nursing unit management

						Philosophy and objectives General routine in the unit Organisation in the nursing unit Directing in the nursing unit Decision making and problem solving Harmony in the nursing unit Financial accountability Quality improvement in the nursing unit Communication in the nursing unit Disaster planning in the nursing unit Personnel management in the nursing unit Education and staff development Career management Quality Nursing Unit Management Introduction to research
Professional Nursing Science 1B	PNS01B1	50%	50%	6	24	Conceptual framework and management models Conceptual framework Management styles and management models Attributes of the nursing service manager Professional-ethical and legal framework Management process Historical development of management Bureaucratic vs. participative management Transformation management And Leadership development in a nursing service Strategic planning Decision-making and problem-solving Marketing Health service planning and commissioning Health service disaster planning Communication in a nursing service And Quality improvement in a nursing service Conceptual framework / models Quality improvement programme Risk management Total quality management in a nursing service
Professional Nursing Science 1C Research	PNS1C10	50%	50%	6	8	The research process: Formulation and conceptualisation The world of nursing research Research ethics

Methodology						Formulation in research 3Conceptualisation in research The research process: Design and communication Research design Population and sampling Validity and reliability / trustworthiness Data collection Data analysis Communication of findings
Professional Nursing Science 1C Research Proposal	PNS1C20	100%	0%	6	8	Research proposal
Professional Nursing Science 2A	PNS02A2	50%	50%	6	16	Financial management Conceptual frameworks The process of financial management Cost containment in a nursing service And Human Resource Management Conceptual frameworks Staffing Staff utilisation Retainment of staff Staff development
Professional Nursing Science 2B	PNS02A1	50%	50%	6	8	Key concepts in nursing education Philosophy of nursing education Historical development of nursing education in SA from 1860 The role of the SANC as ETQA in ensuring quality in nursing education Nursing students (ideal characteristics, selection, recruitment counselling, attributes of the reflective student and characteristics of an adult student – Knowles andragogic theory) The nurse educator (ideal characteristics, their roles and obligations, the educator as a reflective practitioner. Systems used for teaching nursing (block system, study-day, daily lecture release, daily concurrent theory and practice and modular systems And Key concepts in didactics Didactics as a science Didactic situation / environment Didactic principles Teaching and learning styles and approaches

						Meta-learning and meta-teaching
Professional Nursing Science 2C Practical	PNS2C10	50%	50%	6	8	Three formal lessons Seven simulated lessons or lecture demonstrations Five clinical lessons Attendance of a one day workshop on the administration and management of a nursing college conducted by Ann Latsky Nursing College
Professional Nursing Science 2C	PNS02C1	50%	50%	6	16	Key concepts Rationale for nurse teacher empowerment Curriculum development Curriculum design Curriculum dissemination Curriculum implementation Curriculum evaluation And Selection and arrangement of the learning content. Teaching and learning approaches Teaching strategies Evaluation methods
Professional Nursing Science 2D	PNS2D10	50%	50%	6	8	Introduction Instructional technology / media Theoretical grounding / theories Chalkboards, posters Transparencies and moving images Learning Dialogic teaching Dialogic teaching: small group interaction and open questions A dialogic lesson plan and specific teaching devices The seven steps of planning Integrated application and reflection
Professional Nursing Science 3A	PNS03A2	50%	50%	7	16	Conceptualisation and Critique in Management - Conceptualisation in Management - Scientific Critique And Strategic Health Service Management Strategic Planning Executive Leadership Practice Total Quality Management Strategic Human Resource Management Contemporary Dynamics
Professional Nursing Science 3B	PNS03B2	50%	50%	7	16	Trans-cultural nursing education Conceptual nursing models Research overview Constructivist theories of learning Comparison: SA with international

						trends in nursing education 9USA, UK, Australia) And The South African Qualifications Authority Act (Act no 58 of 1995) The Higher Education Act (Act no 101 of 1997) National plan for Higher Education – 2001 The Skill Development Act (Act no 97 of 1998)
Professional Practice	PRP01Y1	100%	0%	5	15	This module will introduce the student to the princiiples of patient care, professional conduct, ethical values and human rights and academic literacy as pertaining to healthcare.
Professional Practice	PRR01Y2	100%	0%	6	16	This module will expand on the princiiples of patient care, professional conduct, ethical values and human rights pertaining to healthcare. The student will be introduced to the concepts of research in healthcare.
Radiation Therapy Clinical 1	RTC01Y1	100%	0%	6	16	To develop the clinical competencies of a therapy radiographer at a first year level and will enable the students to apply the theory of Radiation Therapy I and includes professional practice within the clinical environment.
Radiation Therapy Clinical 2	RTC01Y2	100%	0%	7	16	"This module enables the student to apply the theory of Radiation Therapy Practice 2 (inclusive of 3D treatment) and includes professional practice within the clinical environment"
Radiation Therapy Clinical 3	RTC01Y3	100%	0%	8	16	This module enables the student to apply the theory of Radiation Therapy Practice 2 (inclusive of IMRT, Stereo, Brachytherapy and specialized 3D treatment delivery) and includes professional practice within the clinical environment.
Radiation Therapy Clinical 4	RTC01Y4	100%	0%	8	16	This module will allow for the application of specialized radiotherapy treatment planning and delivery procedures
Radiation Therapy Practice 1	RTP01Y1	50%	50%	6	16	"To introduce students to the discipline of radiotherapy, with specific emphasis on the oncological management of tumours of the: a)pelvis b) the skeletal system After completing this module, the student should be a competent first

						year student, ready to progress to Radiographic Practice II "
Radiation Therapy Practice 2	RTP01Y2	100%	0%	7	16	"The module will include an introduction to basic radiobiological concepts, an overview of malignant disease, principles of management of malignant disease, the role of diagnostic radiography, nuclear medicine and ultrasound in oncology, radiotherapy treatment of non-malignant disorders and the treatment of the following malignant neoplasms Skin and lip cancers Genito-urinary malignancies Cancers of the alimentary tract and major digestive glands Oncological emergencies"
Radiation Therapy Practice 3	RTP01Y3	100%	0%	7	16	"This module covers the radiotherapy treatment planning and delivery of the following neoplasms; Tumours of the respiratory system Tumours of the endocrine system Tumours of the central nervous system Childhood tumours Testicular tumours Lymphoreticular tumours Specialized Head and neck planning Breast cancer Recent advances in oncological management are also discussed"
Radiation Therapy Practice 4	RTP01Y4	100%	0%	8	16	"Advances in oncological management Developments in radiotherapy equipment Clinical trials : research in radiotherapy Quality assurance in radiotherapy Departmental management Introduction to training and data present"
Radiographic Practice III (Nuclear Medicine)	NRP311	100%	0%	6	42	Principles and Practices of Nuclear Medicine imaging of the following systems are covered in this module: Respiratory system Muscular system Cardiovascular system Endocrine system Genitourinary system Gastrointestinal system Reticuloendothelial and lymphatic system Cerebrovascular system In vitro studies

Radiographic Practice III (Ultrasound)	UKP311	100%	0%	7	48	Scanning protocols, planes of scan, patient care & preparation, image interpretation and equipment selection for each of the following systems / anatomical regions "Estrogen : Beneficial but also harmful" "The seeds of future health may be sown in the womb" Presentation of Journal Articles : "The impact of ultrasound safety on informed consent" "Double trouble : The twin dilemma" Group study : "Ultrasound in the Emergency Room "
Radiography Diagnostic Imaging Techniques 4	RPP441A	100%	0%	7	48	Developments in equipment and technology Developments of Techniques and protocols Pattern recognition
Radiographic Management Strategies	RMS01Y4	100%	0%	8	15	"Evaluation, Instructional strategies and Data Collection Professional environment of the Radiographer / Radiation Therapist / Ultrasonographer / Nuclear medicine Technologist and Departmental Management Quality Assurance in Radiation Therapy / Oncology / Ultrsound / Radiography / Nuclear Medicine Advanced Imaging Technologies Departmental Planning and Design"
Radiography Diagnostic Management Strategies 4	RPP441B	100%	0%	7	45	Evaluation, instructional strategies and Data collection Professional environment of the radiographer and management in radiography Quality assurance in diagnostic radiography Design and planning of new installations Advances in contrast media
Radiographic Management	RGM01Y 4	100%	0%	8	15	"Evaluation, Instructional strategies and Data Collection Professional environment of the Radiographer / Radiation Therapist / Ultrasonographer / Nuclear medicine Technologist and Departmental Management Quality Assurance in Radiation Therapy / Oncology / Ultrsound / Radiography / Nuclear Medicine Advanced Imaging Technologies Departmental Planning and Design "

Radiology 4	RCP41-1	100%	0%	7	15	General knowledge, basic principles, and terminology of radiography Radiographic techniques Radiographic anatomy, pattern recognition, technique and film evaluation of the chest Radiographic anatomy, pattern recognition, technique and film evaluation of the upper limb Radiographic anatomy, pattern recognition, technique and film evaluation of the shoulder girdle Radiographic anatomy, pattern recognition, technique and film evaluation of the abdomen Radiographic anatomy, pattern recognition, technique and film evaluation of the lower limb Radiographic anatomy, pattern recognition, technique and film evaluation of the pelvic area Radiographic anatomy, pattern recognition, technique and film evaluation of the vertebral column Radiographic anatomy, pattern recognition, technique and film evaluation of the skull Specialized imaging modalities Cassettes, screens & films Film processing Darkroom quality control X-ray equipment X-ray production X-ray interaction with matter Radiation protection Radiobiology & radiation effects Site preparation
Radiopharmacy	NRP411B	100%	0%	7	48	Radio pharmacy which covers Production methods of SPECT with special emphasis on new radionuclides PET radionuclides, including generator systems Radionuclides used in therapy, monoclonal antibodies and receptors Interventional Nuclear Medicine applications covered in more detail Clinical trials in Nuclear Medicine Advanced quality control encountered especially those encountered in central laboratories Evaluation, instructional strategies and data collection as a way of introducing the student to various instructional strategies practically

Radiopharmacy 1	RPY01Y1	100%	0%	5	15	The student is introduced to rules and regulations of hot laboratory and elution of the Molybdenum generator and biodistribution of Technicium 99m the workhorse radionuclide in nuclear medicine
Radiopharmacy 2	RPY01Y2	100%	0%	6	15	This module will introduce the student to the radiochemistry and the use of selected radionuclides eg Tc99m compounds
Radiopharmacy 3	RPY01Y3	100%	0%	7	15	This module deals with uses and biodistribution of single photon radionuclides, radiopharmacology, radiobiology and the cold laboratory.
Radiopharmacy 4	RPY01Y4	100%	0%	8	15	Students engage with new developments of radionuclides and uses and interventional studies including PET radionuclides
Radiopharmacy III (Nuclear Medicine)	RPN311	100%	0%	6	36	Hot laboratory rules and regulations Radio pharmacy Radio pharmacology Radiopharmaceuticals in clinical use Cold laboratory and general procedures Radiobiology
Reflexology Practical	STE31PB	50%	50%	6	5	Perform a corrective/preventative/maintenance professional reflexology treatment incorporating relevant professional and adequate home-care, nutritional and lifestyle guidelines. Student will incorporate aseptic and sanitary procedures and adhere to the professional ethics. The following student units will be facilitated to achieve the purpose of the module: reflexology as a holistic therapy the practitioner responsibilities do's/don'ts of reflexology consultation process: Diagnostics and visual assessment Strategic thinking and working out the treatment reflexology techniques the treatment sequence and providing a whole foot treatment *Body systems* sense organs integumentary system respiratory system lymphatic system immune system digestive system urinary system reproductive system

						endocrine system nervous system skeletal system cardiovascular system muscular system requirements for professional practice the therapeutic relationship
Reflexology Theory	STE311B	50%	50%	6	10	Perform a corrective/preventative/maintenance professional reflexology treatment incorporating relevant professional and adequate home-care, nutritional and lifestyle guidelines. Student will incorporate aseptic and sanitary procedures and adhere to the professional ethics. The following student units will be facilitated to achieve the purpose of the module: reflexology as a holistic therapy the practitioner responsibilities do's/don'ts of reflexology consultation process: Diagnostics and visual assessment Strategic thinking and working out the treatment reflexology techniques the treatment sequence and providing a whole foot treatment *Body systems* sense organs integumentary system respiratory system lymphatic system immune system digestive system urinary system reproductive systemendocrine system nervous system skeletal system cardiovascular system muscular system requirements for professional practice The Therapeutic Relationship
Research Methods	REM01Y3	100%	0%	7	16	"The module aims at encouraging the student to conduct research by giving them the required knowledge of specific approaches and methods (qualitative and quantitative) and skills employed in applied research."

Research Methodology: Biostatistics	RMBEHB 3	50%	50%	7	10	Research Study Design Data collection and measurement Introduction to biostatistics Data analysis-Descriptive statistics Data analysis Inferential statistics Applied statistics
Research Methodology	RMD21	100%	0%	7	15	Definitions of research The academic contribution of research The scientific method and philosophies of science Types of research and research designs The research life-cycle Research skills Electronic Searching and Access to Information Scientific Writing Statistical Analysis Ethical considerations in research Proposal writing
Research Methodology	HMS8X03 SPB01X7	50% 50%	50% 50%	8 8	30 30	Course orientation, context and nature of research Developing and presenting the research problem Literature study Formulating the method Ethical issues Methods: case study, observation, interview, focus group and questionnaire Types of research Writing the research proposal and report Ways of reporting research Presentation of research and feedback Statistics: Introduction to statistical concepts Measures of variability Basic concepts of statistical techniques Differences among groups Non-parametric techniques
Research Methodology 1	WNI211	100%	0%	6	8	Definitions of research The academic contribution of research The scientific method and philosophies of science Types of research and research designs The research life-cycle research skills Electronic searching and access to information

						Scientific writing Statistical analysis Ethical considerations in research proposal writing
Research Methodology EMC 1	RMT01Y3	100%	0%	7	12	Definitions of research The academic contribution of research The scientific method and philosophies of science Types of research and research designs The research life-cycle Research skills Electronic Searching and Access to Information Scientific Writing Statistical Analysis Ethical considerations in research Proposal writing
Research Methodology: Module A	RMENVA 2	50%	50%	6	8	Steps in a research process Benefits and weaknesses of study designs Preparing a literature review Research population and sampling Selecting an appropriate study design Data collection and measurement
Research Methods and Techniques Homoeopathy	RESH411	100%	0%	7	10	Introduction and definition of research Scope of research in homoeopathy Research and ethics Research designs and methodologies Statistical analysis Proposal writing Publication
Research Methods and Techniques 4	RESR411	100%	0%	9	12	The module aims at encouraging the student to conduct research by giving them the required knowledge of specific approaches and methods (qualitative and quantitative) and skills employed in applied research,
Research Project	RPENV04	100%	0%	8	30	Planning a Project Literature Review Research Design Data Collection and Ethics
Research Project Radiography	RPR01Y4	100%	0%	8	18	This module will allow the student to apply the research skills into a research project.
Research Project and Dissertation	RES42-1	100%	0%	8	18	Topics for the research project may be chosen from within the field of Podiatric medicine.

Research Elective 4 EMC	REP01Y4	100%	0%	8	18	Topics for the research project may be chosen from within the field of Emergency Medical Care or Rescue.
Soma Techniques Practical	STE411P	100%	0%	7	15	This modules addresses integrated advanced practical competencies in aromatherapy, camouflage therapy, reflexology and telangiectasia treatment. Students integrate industry experience in performing corrective/preventative/maintenance professional treatments, incorporating relevant professional and adequate home-care, nutritional and lifestyle guidelines.
Somatology Practical Training 1	IN3862	100%	0%	5	10	The module provides students with the opportunity to provide treatments on real clients, thus assist them to enhance their practical competencies as well as professional client care. The following treatments are offered in the clinic: Facial therapy – basic facial treatments Body therapy – Swedish massage, Pre-heating treatments Manicures and Pedicures Waxing Make-up
Somatology Practical Training 2	IN3863	100%	0%	6	10	The module provides students with the opportunity to provide treatments on real clients, thus assist them to enhance their practical competencies as well as professional client care. The following treatments are offered in the clinic: Facial therapy – basic and advanced facial treatments Body therapy – Swedish massage, Pre-heating treatments Aromatherapy Reflexology Hot Stone Massage Indian Head Massage Hawaiian Massage Manicures and Pedicures Waxing Make-up
Somatology Project 4	STP41-1	100%	0%	7	10	The following learning units will be facilitated to enable students to achieve outcomes: Introduction to research process – conceptual framework for understanding research process Overview of Research Proposal

						Statistics Research Ethics Qualitative Approach Quantitative Approach
Sustainability Development and Ecology	SDEEH01	50%	50%	5	8	Introduction to health, environment and sustainable development Environmental quality and human activity Energy use and sustainable development Ecology Environmental management and planning tools Actions and legal aspects of sustainable development
Specialized Ultrasound	SUS01Y3	100%	0%	7	16	This module is designed to address scanning techniques & protocols in invasive ultrasound procedures
Specialized Ultrasound	SUS01Y4	100%	0%	7	16	This module is designed to address scanning techniques & protocols in invasive ultrasound procedures
Specialized Diagnostic Practice 1	SDP01Y3	100%	0%	7	15	This module introduces the student to diagnostic angiography, myelography, Interventional techniques and image interpretation
Specialized Diagnostic Practice 1	SDP01Y4	100%	0%	8	15	"Specialized diagnostic radiography procedures and techniques. Design and planning of new installations. Advances in contrast media."
Specialised Massage Techniques: Aromatherapy 4	STEB411	100%	0%	7	15	History of medical aromatherapy Research in essential oils Essential oil chemistry Biology & psychology of essential oils Subtle aromatherapy Exotic essential oils Requirements for professional practice Client consultation A holistic approach to prescribing essential oils Blending of essential oils Aromatherapy for health professionals Cardiovascular system Respiratory system Musculoskeletal system Reproductive system Integumentary system Nervous system Lymphatic system Digestive system Immune system Urinary system Endocrine system

Specialised Massage Techniques: Reflexology 4	STED411	100%	0%	7	15	Perform a corrective /preventative/ maintenance professional reflexology treatment incorporating relevant professional and adequate home-care, nutritional and lifestyle guidelines. Student will incorporate aseptic and sanitary procedures and adhere to the professional ethics. The following student units will be facilitated to achieve the purpose of the module: Nutritional supplements and toxins Allergies Food labelling Gynaecology and obstetrics Dermatology Cancer HIV/AIDS Body systems Sense organs Integumentary system Respiratory system Lymphatic system Immune system Digestive system Urinary system Reproductive system Endocrine system Nervous system Skeletal system Cardiovascular system Muscular system Requirements for professional practice (law & regulations) The therapeutic relationship
Specialised Imaging and Therapeutics	NRP411A	100%	0%	7	46	Principles and Practices of advanced and specialized Nuclear Medicine procedures in the following: Single Photon Emission Computerized Tomography Imaging (SPECT) Positron Emission Tomography (PET) Therapeutic Procedures Infection detection and HIV management Radioimmunoscintigraphy Paediatrics New Developments and literature review Nuclear Medicine in the South African Context

Sport Administration 1C	SPA01C1	50%	50%	5	8	Sport and physical activity in the ancient civilization The Greeks, Ancient Olympic and the Romans Modern Olympic Games Development of modern sport : Renaissance, reformation and modern era Development of sport in South Africa and the political influences on international participation. Historical and theoretical overview of violence in sport Sport and the economy Sport and gender And Administering of a club/sport enterprise; running meetings; organising different tournaments; managing equipment and facilities; managing sponsorships and financial aspects
Sport Practice 1D	SPP01D1	50%	50%	5	8	Students should develop intellectual competencies and practical skills in the analysis, interpretation and application of the rules, coaching and assessment in swimming, rugby, cricket, football, hockey, tennis, and netball.
Sport Management 2C	SPM02C2	50%	50%	6	8	Segments and sectors in the sport industry The macro / micro and market of the sport industry Management of sport Planning and the management of sport Organising and the management of sport Direction/leading and the management of sport Control and the management of sport And After completion of this quarter module the learner will be able to: distinguish between management and sport management, describe and apply the planning process, explain and apply the principles of organizing within the sport industry, explain and apply the competence of directing in a practical situation, defend and implement the principles of control in the management of sport

Sport Psychology and Perceptual Motor Learning 3A	SPP03A3	50%	50%	7	8	Motor Skill: What Is It? Individual Differences and Motor Abilities Principles of Human Skilled Performance Processing Information and Making Decisions Sensory Contributions to Skilled Performance Movement Production and Motor Programs Principles of Motor Control and Movement Accuracy And The content entails an introduction to sport psychology, the mind and sport performance, stress and anxiety in sport, arousal and sport performance, theoretical considerations in the management of stress and anxiety, stress management techniques, visualization, imagery, mental imagery training, concentration, concentration training, goal setting and self-confidence, the use of cognition in sport, and the development of a mental training program.
Sport Sociology 3B	SPS03B3	50%	50%	7	8	Orientation, introduction and social theories Application of theories Socialization and participation in structures sport programmes Deviance in sport Aggression and violence in sport. And Orientation, introduction and theoretical perspectives Sport and the economy Sport and the media Sport and politics Sport and development The 'social' body The future
Sport Marketing and Finance 3C	SFM03C3	50%	50%	7	8	Introduction to sport marketing. The uniqueness of sport marketing Consumer Behaviour Principles of sport marketing Market Segmentation, Targeting and Positioning Sport Product Decision. Sport Promotions. Distribution decisions in sport entities. Pricing strategies used in sport enterprises. The process of sport marketing

						management And Introduction basic financial concepts. Financial Compliance Cash flow management Sources of revenue Budgets and budgeting Financial reporting Implications of economics for sport organisations Economic, customer and demand theories relevant to sport management The non-profit and public sectors
Sport and Physical Recreation Studies 3A	SPR33A3	100%	0%	7	16	Didactical aspects of sport and Growth and Maturation is presented in this module
Sport and Physical Recreation Studies 3B	SPR33B3	100%	0%	7	16	An aspect of Sport Psychology and Perceptual motor development is presented in this model.
Sport Finance	HMS8X15 SPB11X7	50% 50%	50% 50%	8 8	12 12	Introduction and Financial Statements Financial Analysis Financing of a business with emphasis on sports finance Time value of money Budgeting Capital Budgeting
Sport Management 1A	STM11A1	50%	50%	5	16	The module focusses on General management in sport. The applied principle of Business Management is presented in this module. This module deals with aspects of sport as a business as well as how sport is administrated.
Sport Management 1C	STM11C1	100%	0%	5	32	This is a practical module where first year students experience the rules, coaching activities and presenting the activities of various sporting codes
Sport Management 2B	STM22B2	50%	50%	6	16	This Module deals with Financial management in sport and addresses issues such as budgets, financial planning in sport, and basic accounting with reference to the sport industry
Sport Management 2C	STM22C2	100%	0%	6	32	Second year students present various aspects of different sporting codes
Sport Management 3A	STM33A3	100%	0%	7	16	Event management is the focus of this module
Sport Management 3B	STM33B3	100%	0%	7	16	Facility management is the focus of this module

Sport Management 3C	STM33C3	100%	0%	7	32	Third Year students manage the activities of the various sporting codes presented
Sport Management 1B	STM11B1	50%	50%	5	16	This module deals with Leisure and Recreation management. Aspects of recreation programming and creation of leisure activities are addressed.
Sport Management Practice	HMS8X16 SPB12X7	50% 50%	50% 50%	8 8	18 18	Conceptual background to experiential learning; Benefits of the internship experience; Potential internship opportunities; The structure and functioning of sport organisations in South Africa; Guest lecture on: Strategic management of sport organisations. Project presentations at SAIL premises Finalisation of Field Placement Objectives Class feedback & discussion on field experience Field trip (Compulsory) Guest Lecture Class feedback & presentations based on field experience
Sport Marketing	HMS8X14 SPB10X7	50% 50%	50% 50%	8 8	12 12	Further, students will be guided and eventually be able to develop a sports marketing plan and assess the effects thereof in a holistic context of the sport and recreation practice. Students will also eventually be able to assess the principles, disciplines and practices of Sport Marketing in a holistic context.
Sport Psychology	HMS8X10 SPB16X7	50% 50%	50% 50%	8 8	12 12	The content entails an overview of the major sport psychological themes, the psychology of peak performance, talent detection and development, exercise psychology, interventions strategies for exercise adherence, drug abuse in sport, and career termination/transition in sport.
Sport Science Practice	HMS8X11 SPB17X7	50% 50%	50% 50%	8 8	30 30	Establish appropriate fitness test batteries High performance sport programming and organization Talent identification Design training programmes Monitoring progress Management of testing individuals and groups Interpret test data and report back

Sport Sociology	HMS8X17 SPB13X7	50% 50%	50% 50%	8 8	12 12	Introduction to the study of sport in society in terms of knowledge production Theoretical approaches- broad and specific related to different issues in sport and society The role of politics in sport: global and local, as well as the politics of sport Sport, nationalism and the formation of national identity The role of the economy in sport as it relates to transnational companies, sponsorships and the process of commercialization The reciprocal role of the media in sport within the global and local context and with reference to different types of media The impact of gender, race and class (socio-economic status) in the allocation of sport-related resources and the underlying theoretical approaches Explaining sport-related violence in the context of a society by utilizing case studies as relevant conceptual frameworks The role of sport in communities within the sport+ and +sport model of reasoning and potential impact through the analysis of impact studies
Sport Vision	HMS8X19 SVIS001	50%	50%	6	200	Visual requirements in sport Theme 1: Motor skills acquisition Characteristics of skills Receiving information Storing and processing information Motor control Limitations of performance Visual requirements General Ocular Health Visual Acuity (Static) Visual Acuity (Dynamic) Contrast Sensitivity Colour Vision Eye Movements (Ocular Motilities) Depth Perception (Stereopsis) Focus Flexibility (Accommodation) Fusion Flexibility (Binocularity) Central- Peripheral Awareness Eye- Hand- Coordination Eye-Body Coordination Visual Reaction Time Visual Adjustability Visual Concentration Visualization

						Sports vision correction Evaluation of tasks and hazards Different modes of correction eye protection in sport Protection against eye injuries Protection against environmental factors visual performance testing and enhancement Visual motor testing procedures The 'Yes Evidence' The 'No Evidence' The 'Right Evidence' Sports Specific Requirements How to develop an enhancement programme How to establish a sports vision enhancement practice Approach Equipment Market Economics
Strategic Management in Sport	HMS8X18 SPB14X7	50% 50%	50% 50%	8 8	12 12	Course orientation. Strategic management model (process). Prerequisites to make the Strategic Management Process successful. Vision, Mission, Core Values and Social Responsibility. Environmental Scanning and analysis. Strategy formulation (Strategic analysis and choice). Strategic implementation – Structure, Leadership and organizational culture. Managing change as part of the Strategic orientation.
Surgery 1	GCC211	50%	50%	6	24	Orthopaedics Surgery on Specific Structures Healing Process Amputation Fractures Implants Bone Infection Tuberculosis Bone Tumours Physical Examination and Assessment Wounds and Sutures Excision and Incision Biopsy Casting OF the Lower Limb Soft Tissue Burns Ulcers The Vascular System

Systemic Pathology 3	HSP31-1	100%	0%	6	25	Haematology (Red Blood Cell and Bleeding disorders, Diseases of White Blood Cells, Lymph Nodes, Spleen and Thymus) Cardiovascular System (Blood Vessels and Heart) The Respiratory System The Central and Peripheral Nervous System The Musculoskeletal System The Gastrointestinal System The Endocrine System The Genitourinary System Head, Neck and Eye
Telangiectasia Treatment 4	STEC411	100%	0%	7	10	A holistic and integrated approach is utilised to assist students with theoretical and practical skills to provide Telangiectasia treatment. Students Conduct a professional TT consultation with the client prior to treatment and perform an appropriate and competent TT treatment on the client. The Student will incorporate aseptic and sanitary procedures and adhere to the professional ethics. The following learning units are addressed: Hygiene Angiology Causes and contributing factors Indications, contra-indications and precautions Treatment procedure and skills Post treatment Home care Consultation and record card Practical's
Treatment Planning and Dosimetry 1	TPD01Y1	100%	0%	6	16	The module will introduce the student to basic treatment planning principles and radiation therapy related apparatus.
Treatment Planning and Dosimetry 2	TPD01Y2	100%	0%	7	16	"To expand on the treatment planning and dosimetry principles in first year and to introduce the student to basic principles of radiobiology"
Treatment Planning and Dosimetry 3	TPD01Y3	100%	0%	7	16	This module will focus on specialised treatment planning, equipment and treatment with particle beams.
Treatment Planning and Dosimetry 4	TPD01Y4	100%	0%	8	16	This module will develop the comptencies required in specialized treatment planning and the application of hybrid imaging where applicable.

Treatment Planning and Specialised Techniques 4	RPT411A	100%	0%	7	48	Revision of treatment planning Radiographic practice – complex protocols Specialised treatment planning Brachytherapy
Therapeutics	THR01Y3	100%	0%	7	15	In this module students are introduced to radionuclide treatment of specific deseases
Ultrasound Clinical 1	UCP01Y1	100%	0%	6	16	"The module will address scanning techniques & protocols, detailed anatomy, physiology, pathology and image interpretation of the female reproductivevsystem, 1st trimester pregnancy and the abdominal organs in a clinical context. This will also incorporate the principles of patient care, communication, medical ethics, human rights and reflective practice."
Ultrasound Clinical 2	UCP01Y2	100%	0%	7	16	The module is designed to address scanning techniques & protocols, recognition of cross sectional anatomy on ultrasound images and image interpretation of the small parts, 2nd & 3rd trimester obstetrics and expand on abdominal sysetes in a clinicall context. This will also incorporate the principles of patient care, communication, medical ethics, human rights and reflective practice.
Ultrasound Clinical 3	UCP01Y3	100%	0%	7	16	The module is designed to address scanning techniques & protocols, detailed anatomy, physiology, pathology and image interpretation of the chest, paediatrics & neonatal neurosonography, advanced obstetrics and vascular Doppler in a clinicall context. This will also incorporate the principles of patient care, communication, medical ethics, human rights and reflective practice.
Ultrasound Clinical 4	UCP01Y4	100%	0%	8	16	The module is designed to address scanning techniques & protocols, detailed anatomy, physiology, pathology and image interpretation of echocardiography & Musculoskeletal ultrasound in a clinical context. This will also incorporate the principles of patient care, communication, medical ethics, human rights and reflective practice.

Ultrasound Physics	UPI01Y2	100%	0%	6	16	"This module will expand on the physical principles of ultrasound image productions, Doppler principles, image recording and quality assurance Introduction The Nature of Sound Interaction of Ultrasound and Matter Intensity and Power Piezo-electricity Transducers Beam Characteristics Biological Effects of Ultrasound Doppler Ultrasound Equipment A-Scan Units B-Scan Units M-Mode Units Artefacts Image Recording Invasive Techniques"
Ultrasound Practice 1	USP01Y1	100%	0%	6	16	The module will address scanning techniques & protocols, detailed anatomy, physiology, pathology and image interpretation of the female reproductive vsystem, 1st trimester pregnancy and the abdominal organs in a theoretical context.
Ultrasound Practice 2	USP01Y2	100%	0%	6	16	The module is designed to address scanning techniques & protocols, detailed anatomy, physiology, pathology and image interpretationof the small parts, 2nd & 3rd trimester obstetrics and expand on abdominal systmes in a theoretical context.
Ultrasound Practice 3	USP01Y3	100%	0%	7	16	The module is designed to address scanning techniques & protocols,detailed anatomy, physiology, pathology and image interpretation of the chest, paediatrics & neonatal neurosonography, advanced obstetrics and vascular Doppler in a theoretical context. Additional knowledge will be acquired through self-directed learning &the aquisition of report writing skills.
Ultrasound Practice 4	USP01Y4	100%	0%	8	16	"The module will address scanning techniques & protocols, detailed anatomy, physiology, pathology and image interpretation of adult & pediatric echocardiography and musculoskeletal ultrasound."

Ultrasound Management Strategies 4	UKP411B	100%	0%	7	48	Report writing Evaluation, Instructional strategies and Data Collection Professional environment of the radiographer/sonographer and Departmental Management Quality Assurance in Ultrasound Advanced Imaging Technologies Departmental Planning and Design
Ultrasound Physics and Equipment	UPE311	100 %	0%	6	24	PHYSICS Introduction The Nature of Sound Interaction of Ultrasound and Matter Intensity and Power Piezo-electricity Transducers Beam Characteristics Biological Effects of Ultrasound Doppler Ultrasound Equipment A-Scan Units B-Scan Units M-Mode Units Artefacts Image Recording Invasive Techniques
Ultrasound Protocols and Practice 4	UKP411A	100 %	0%	7	48	Adult echocardiography Paediatric echocardiography Neonatal Neurosonography Vascular Doppler Paediatric Sonography Musculo-skeletal Sonography Advanced Obstetrics Advanced abdominal Sonography
Water Quality and Waste Management	WQAWM 03	50%	50%	7	22	Introduction to waste management Sources of waste Characteristics and composition of waste Methods of waste collection, storage and transportation. Methods of waste collection system. Health implications with waste and waste management.
Water Quality and Waste Management	WQAWM 04	50 %	50%	8	15	Introduction to waste management Aims and objectives of waste management. Waste management hierarchy. Waste management plan. Supply, use and management of water Impacts of water pollution on environment.

						Individual accountability and environmental education Health and economic aspects of water in South Africa
Waxing Practical Auxiliary Therapy:	STEP111	50%	50%	5	5	This module will equip the student with the theoretical and practical ability to be able to perform waxing treatments to the high standard demanded by industry and the public.
Waxing Theory Auxiliary Therapy:	STEA111	50%	50%	5	5	This module will equip the student with the theoretical and practical ability to be able to perform waxing treatments to the high standard demanded by industry and the public. The module includes the following learning units: Professionalism, Hygiene and sterilisation, Functions of hair, Hair structure (anatomy and physiology), Methods of temporary hair removal, Characteristics of hot wax Characteristics of strip wax Hair removal with hot and strip wax
Work Integrated Learning 3E	WIL03E3	50%	50%	7	8	Practical Experiential learning of a professional(career) field